DENTAL SCIENCES CLINICAL POLICIES MANUAL

HORRY GEORGETOWN TECHNICAL COLLEGE

SPEIR DENTAL COMPLEX
GRAND STRAND CAMPUS
MYRTLE BEACH, SC 29577

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I. CLINICAL POLICIES

PROFESSIONAL BEHAVIOR

Professionalism Defined:
"Professionalism is a way of conducting oneself that includes respect for others. Courtesy and respect for others are fundamental elements of professional behavior. A professional also takes responsibility for his or her actions with care for consequences that might evolve and for how their actions will affect others."

Students must conduct themselves in a professional manner during school hours and when representing themselves as an HGTC student during non-school hours. Failure to conduct yourself in a professional manner will result in disciplinary actions.

ETHICAL BEHAVIOR

Anything less than the highest professional conduct on the part of the student can only result in the loss of the patient's confidence and trust in the student, the school, and the profession. It is important that students exhibit proper professional conduct when dealing with patients, classmates, faculty, and all HGTC staff.

It is the responsibility of the student to fully understand all aspects of the Health Insurance Portability and Accountability Act (HIPAA) of 1996. Do not discuss patient information with anyone outside the confines of the clinic. Within the clinic, it is important to speak in a tone which keeps a patient's personal information private. When discussing your patient with a faculty member, please remember to be careful that no other patient can hear your conversation. Even though a patient is in a learning environment, it is their right to have all their personal information protected by all those handling their care.

If you encounter a patient outside of the clinic, please be mindful of HIPAA. Do not mention anything about seeing them in clinic. Keep the conversation non-clinical and as brief as possible.

Any HIPAA violation can result in immediate dismissal from the Dental Hygiene Program and possible Federal criminal charges.

Diagnosing is considered illegal and will not be permitted by the student and/or DH faculty. Only a licensed Dentist can diagnose decay or any oral lesions. If a dentist does not complete a comprehensive exam and you feel a patient has a condition that warrants additional diagnosis, please use the word "suspicious." You would say "Mrs. Jones, you have an area that is suspicious, and you should be seen by a Dentist who is an expert in diagnosing conditions such as this."

Patients who present with periodontal disease exhibiting pocket depths of 6mm or more are ethically not within a dental hygienist's scope of practice. All cases exhibiting this severity of periodontal disease should be referred to the General Dentist for further evaluation and likely a referral to a periodontist. It is not ethical for students and/or faculty to assume they can "cure" a patient who has advanced periodontal disease. If a patient refuses to seek additional evaluation of their periodontal disease, the patient must sign a periodontal understanding which can be found electronically in EagleSoft. In some circumstances a patient will have very limited finances and refuse additional treatment. By signing the periodontal understanding, the patient understands the limitations of treating their periodontal disease.

As a dental professional, it is your ethical responsibility to report any signs of abuse or neglect. If you suspect any abuse or neglect, please report this immediately to a faculty member. A faculty member will determine if this is reportable or not.

CONDUCT

Please address instructors and patients as Ms., Mr., Mrs., or Dr. followed by their last name. When an instructor comes to the operator to perform a check-in or check-out, please introduce the instructor to the patient upon the instructor's entering the operatory. Absolutely no nicknames can be used to address faculty, staff, or classmates.

Tobacco products are not allowed during clinical/laboratory experiences. A uniform that smells of smoke is offensive to patients – remember, you are a dental healthcare professional and should be setting an example. Students will be asked to change uniforms or leave the clinic with an unexcused absence if tobacco odor is noticed.

Speak in a normal tone of voice at all times. Please do not yell across the clinic floor to classmates or instructors.

There is no congregating of more than 2-3 students in the clinic, patient reception area, front office, or in radiology viewing room of hallway. Students are not permitted to congregate or sit at instructor desks for any reason, unless a student is having radiographs read by the supervising Dentist.

Students must maintain a professional manner while in clinic. There is no singing, dancing, or negative talk once you enter the clinic area. Keep in mind that clinic is a total drama-free zone.

Remember that all instructors are there to help students succeed. When unprofessional behavior is reprimanded, it is only to mold a student into a successful and professional Dental Hygienist.

GENERAL CLINIC REGULATIONS

Students should not leave the clinic area without permission and are not permitted to enter the locker room after the start of clinic unless they are washing towels, or doing a task approved by their clinical instructor. Students should not be snacking or using a cellphone in the locker room once clinic has begun. The only exception would be calling a patient after gaining approval from a clinical instructor. Please ask the instructor overseeing your operatory for permission to leave the clinic.

No patient will be seated until their instructor has entered the clinic. Absolutely no student may start dental hygiene procedures such as local anesthetic, radiographs, scaling and root planning, or prophylaxis until the Dentist is in the clinic. As a Dental Hygienist, law requires you to work under the supervision of a Dentist.

Only faculty and staff may place a hold/block in your schedule on EagleSoft. Students may request a hold/block in their schedule to maintain room to complete a patent the student will schedule later. All holds/blocks must have the initials of the faculty or staff authorizing the block/hold.
Students must have their unit set-up and ready to seat their patients 15 minutes prior to the scheduled appointment time. This includes Radiology Assistants (RA) and Clinical Assistants (CA). All patients must be seated at the start of their appointment time unless the reason for being late is related to faculty or staff. Failure to seat your patient at the assigned time will result in a point deduction for "poor time management." Your patient's time is valuable, and you must respect that by seating them at their scheduled time.

It is unacceptable to set-up your operatory sooner than the day of the appointment. Students, who set-up their operatory the day before a scheduled appointment, will be asked to remove all barriers and setup the operatory with all new barriers. It is unhygienic to have disposable and barrier products left on units when others may come in contact with them. There are times when maintenance and/or janitorial staff work in the clinic and may come in contact with these products that are intended to be sanitary.

If a student does not have a patient for the assigned appointment session, the student must first try to find another patient to fill the appointment time. If this cannot be done, the student will be assigned by faculty to either assist a fellow student, help with CA or RA duties, or stay at their unit sharpening instruments or studying. Students without a patient should not be loitering in the locker room, radiology area, or conversing with other students.

Students may not leave the clinic floor until faculty have excused them. If you leave prior to being excused, you will be marked absent. Everyone must help each other at the end of clinic, so it is unacceptable to leave without permission.

Remember to take all your personal possessions out of clinic and place them in your locker. The clinic is not responsible for any students' items missing or broken. Lockers are provided for the safety of your personal items. It is your responsibility to purchase a lock for your locker.

BASIC LIFE SUPPORT (BLS) & IMMUNIZATIONS

Per College policy, current training in BLS/AED is mandatory for faculty and students involved in direct provision of patient care. Upon admission into the dental programs, students receive email correspondence regarding clinical admission requirements, including immunizations.

Students are informed that they will not be permitted to begin the program and/or to have clinical patient contact until immunization documentation is complete. These policies are found on the College website and within the Dental Sciences Clinical Policies Manual.

- Failure to complete BLS/Immunizations in a timely manner will lead to the student being withdrawn from the program.

CLINICAL ATTIRE & CLINIC POLICY

Students are expected to follow the guidelines for pre-clinical, clinical, and lab attire during all sessions. These regulations have been established to promote maximum infection control and safety for all clinical operations and to demonstrate a professional appearance.

Student adherence is expected. Anyone not adhering to the following guidelines will be asked to leave the clinic area and change into proper attire. Points may be deducted for professionalism and if the problem cannot be resolved, the student may be subject to disciplinary action.

1) The designated clinic uniform scrubs must be worn during clinical sessions. Uniforms must be purchased at Scrubs & Beyond. Uniforms and lab jackets must be clean, neatly pressed, and of proper fit. If at any time uniforms become too tight, you will be asked to purchase new uniforms at the student's expense. Scrub pants must not drag on the floor and should be hemmed if too long. Jogger pants are not permitted during clinical care or clinical rotation.

2) Long-sleeved solid-color shirts may be worn under scrub tops.

3) If at any time scrub uniforms become soiled, stained, or discolored, the student is responsible for purchasing replacement items.

4) Clinic shoes must be solid white, with no shoelaces, closed-toed, and heels must be covered. Shoes must be made of a material easily cleaned of blood and infectious materials, such as vinyl or leather. Fabric canvas shoes are not permitted.

5) Hair must be off the collar, up and away from the face, and should not hang down. Long hair and ponytails beyond shoulder length must be neatly secured up off the shoulders. Bangs should not fall into the eyes and obscure vision. Barrettes, headbands, or scrunchies matching hair color may be worn.

6) Extreme hair colors and hairstyles are not permitted. Colors that are allowed are blondes, brunettes, reds, and grey colors only. If hair does not meet the regulations, the student must wear a clinical hair covering approved by faculty.

7) Solid white socks are required and should be long enough to avoid showing bare legs, such as crew socks or knee-high socks. Ankle socks are not acceptable socks.

8) Nails must be clean and short (the nails should not extend beyond the end of the fingers) and polish-free. False nails must not be worn. Even though gloves are being worn, micro-pores do exist in the gloves and bacteria could penetrate the material, causing a serious infection around the false nails. This can also happen if there are any cuts on the cuticle or hand area.

9) Small, single, solid-design stud earrings may be worn. Only 1 earring per earlobe is allowed.

10) Absolutely no other piercings of any kind (nose, tongue, eyebrow, etc.) can be worn during clinic sessions, or other school sponsored professional events. If a piercing exists for a medical reason, documentation must be provided by the student's physician. If a piercing cannot be removed it should be covered with a skin-colored bandage.

11) False eyelashes and lash extensions are prohibited as they can harbor bacteria and cause infection in or around the eye.

12) Rings, bracelets, and necklaces may not be worn in lab or clinic.

13) Watches and smartwatches may not be worn in lab or clinic. Wall clocks and computer monitors are visible to track the time of day.

14) Nametags will be always worn with your clinic uniform scrubs. If lost, you will be responsible for paying for an additional nametag.

15) If a student needs to enter the clinic outside their lab/clinic time, a clinical lab jacket must be worn over street clothes, and no open-toed shoes are permitted.

16) Perfume, scented lotions, and sprays should not be worn during clinic sessions. The fragrance may be irritating to the patient. Some patients are highly allergic to fragrances.

17) Students with tattoos must have them covered during clinical and school-sponsored events. Students should cover tattoos with skin-colored bandages, at their own cost. Clinic bandages are NOT to be used by students to cover their tattoos.

18) Chewing gum is not permitted during clinical or laboratory sessions.

19) Tobacco products/vaping products are not allowed during clinical/laboratory experiences. A uniform that smells of smoke is offensive to patients – remember, you are a dental healthcare professional and should be setting an example. Students will be asked to change uniforms or leave the clinic with an unexcused absence if tobacco odor is noticed.

20) Safety glasses are mandatory and should be part of the clinical uniform. They must have side shields for your safety.

21) No food or drink is permitted inside clinic or in your unit operatory. Drinks must be placed outside clinic, away from aerosols.

INFECTION CONTROL POLICY

In Health Science Programs, infection control policies MUST be followed for the safety of students, patients, and faculty. If a student violates an infection control policy, they must meet with the faculty member and Program Director to discuss the seriousness of the offense. Serious infection control violations could lead to dismissal from the program.

If am infection control issue arises during a dental assisting clinical rotation, the student who exhibits lack of knowledge in proper infection control while on clinical rotation may be immediately asked to leave the clinical site. A meeting with the faculty member and Program Director will be required to discuss possible dismissal from the course/program.

When appropriate infection control procedures are not followed it endangers the safety of both the student and staff/patients present at the clinical site or in the dental clinic.

ATTENDANCE POLICY

You are now a student in a professional program, and it is important you attend all clinical and lecture sessions. Missing lecture, clinic, or lab negatively affects student success. You must make every effort to attend all clinical and lecture sessions. "If you aren't here, you aren't learning."

Horry-Georgetown Technical College has a mandatory attendance policy requiring students to be present for a minimum amount of time to be eligible for financial aid, tuition promotions, and to receive credit for their class. The Dental Sciences Program adheres to a stricter attendance policy to assure students meet accreditation standards.

For the Dental Sciences Programs, students may not miss more than 10% of a lecture class (equals one (1) class) or lab/clinic (equals one (1) session). If lecture time is missed it is the student's responsibility to meet with faculty to review content missed and to determine when the lab/clinic activity will be made up. You MUST make up all lab/clinic hours.

Students must complete 100% of all lab/clinical hours required in the program of study. If a student misses more class or clinic than is allowable, they will be withdrawn from the program, unless extenuating circumstances apply. It will be at the discretion of the Program Director to determine if a student can continue based on the circumstances.

1) Attendance is taken at the beginning of each class/lab/clinic. You must sign in using blue or black ink and cannot have another classmate sign in for you.
   If extenuating circumstances occur regarding attendance, documentation will be required from the student and the Program Director will determine the best class of action.

2) Students are expected to be in class/lab/clinic prior to the start of the session. If the student comes to class/clinic late (8:01am for an 8:00 am class is considered late), they will be recorded as tardy. If the tardy occurs on a clinical day when a student is scheduled to see a patient (dental hygiene or dental assisting clinical rotation), points will be deducted for the day per faculty who are supervising those experiences.

3) If a student is tardy two (2) times to class/lab/clinic, it will be recorded as an absence. If a student arrives 15 minutes late, they will be marked absent. Students who leave class/lab/clinic for an extended period (over 10 minutes), will be marked absent.

4) Chronic tardiness (considered more than six (6) tardy arrivals across all classes per semester) will result in disciplinary action for violation of professional behavior. Tardy arrivals greater than six (6) times over the class of a semester may result in being withdrawn from the program for excessive absences.

5) If a student leaves class/lab/clinic early, it will be recorded as an absence.

6) To meet accreditation standards, **students must complete 100% of all lab/clinical hours** required in the program of study regardless of the reason for the absence.
   In dental hygiene clinic, this includes Radiology Assistant (RA) and Clinical Assistant (CA) days for dental hygiene students in clinic. If a student misses any scheduled clinical including RA or CA days, he/she must make up the time

missed and will do so rendering patient care. Make-up lab/clinic times will be determined by faculty for the session missed and students will be required to make up missed days during finals week.

If the number of hours of missed lab/clinic time exceeds the available hours during finals week to make up the time, the student may receive an incomplete with the possibility to make up missed time the next semester or the student may be withdrawn from the program.
The circumstances surrounding an absence will determine the class of action taken by the Program Director.

7) If an extended absence occurs, documentation from a physician is required and cannot be a Telehealth document.

8) If a student is *anticipating late arrival* or *is unable to attend class/lab/clinic,* or office rotation, it is mandatory for the student to notify faculty for the class missed prior to the start of the students scheduled time. If a student fails to notify faculty prior the start of class/lab/clinic or office rotation, a 5-point deduction for the session will be deducted from the final grade overall grade. *For example: A final grade of eighty-five will be changed to an eighty (80).

9) Personal, medical, and dental appointments, except emergencies, cannot be scheduled during scheduled class/lab/clinic sessions.

10) HGTC's Learning Portal, D2L, contains all class documents, grades, attendance rosters, and announcements. Students are required to check D2L and College email daily for important announcements pertaining to classwork. In the Dental Sciences programs, all learning takes place via didactic and clinical learning in a face-to-face format.

USE OF TECHNOLOGY

Use of cell phones, computers, or smart watches is prohibited during clinic, lab, lecture, or office rotations. This includes texting or the use of earbuds. Student engagement and participation is our top priority. The use of technology can be an unwelcome distraction and therefore is not allowed during class sessions.

All cell phones must be powered off prior to entering lab or lecture. Students may use cell phones and smart watches during breaks. Students are not allowed to have cell phones in the HGTC dental clinic or dental offices during his/her rotation. If a student has an extenuating emergency which requires them to have their cellphone on, they must disclose the reason to their instructor prior to that class or lab session. Cell phones are permitted for recording lectures only; students must ask for permission prior to doing so.

Clinicals & Lab

- If a student is using or possessing a cellphone during clinical time and/or lab they will be asked to leave immediately and will be marked as absent for that session. The absence is required to be made up before the end of the semester.
- Additionally, if a student is using or possessing a cell phone during clinical time and/or lab it will also result in a 5-point deduction from the student's final grade for that clinical or lab for each violation.

Faculty will periodically plan class/lab activities which allow use of technology and will advise students accordingly that the use of technology is permissible.

POLICIES CONCERNING PATIENTS

All patients should be treated with the utmost respect. Exhibiting a professional appearance and acting in a professional manner is just as important as all other competencies. Faculty have the right to demand a student immediately make the appropriate changes to exhibit a professional appearance.

Absolutely no gossip about patients, faculty, or classmates is allowed in the clinic, locker room, or reception area. If a patient overhears negative conversation, it displays unprofessional behavior on your part. Many patients are embarrassed about their oral condition and if they overhear you talking about other patients, they may assume you will gossip about them too.

Clinic is not the place to discuss personal issues with or around your patients. Please do not engage in conversation with patients about any personal issues. Do not give patients your personal number. If a patient wants to contact you for any reason, please give them the clinic's main number (843-839-1070). Never share your phone number, address, or any other personal information with patients. This policy is for your safety and the safety of the clinic.

The Dental Clinic Administrative Coordinator will do their best to fill the clinic schedule, but it is also your responsibility to assist with finding your own patients. There are flyers you can distribute to friends, family, local businesses and to other programs on the Grand Strand HGTC Campus. It is also acceptable to advertise on social media pages, with approval of content prior to doing so. Please consult with the Program Director prior to advertising for patients.

If a patient refuses to return for treatment, it must be documented in the patient's chart. Please note the date and time you tried to reach the patient. You should try a minimum of 3-times to reach the patient before giving up. If the patient answers the phone and expresses their reasoning for not wanting to return, please put the reason in the chart with the date and time of the conversation.

If a patient cancels or fails to show up for an appointment, this must be documented in the patient's chart. Once a patient fails or cancels twice, they will be dismissed as a patient. Please notify the Dental Clinic Administrative Coordinator of the issue so a formal letter can be sent to the patient notifying him/her of their dismissal from the clinic.

Patients refusing recommended treatment is not conducive to a teaching environment. Patients who refuse routine radiographs may be released as patients. Ultimately, the use of the Radiology Flow Chart and the guidance of the supervising dentist will determine the frequency of radiographs for patients. If a patient refuses recommended treatment relating to their periodontal health, (such as scaling and root planning or frequency of periodontal maintenance) the patient must sign a refusal for treatment and a notation must be made in the patient's chart. This matter must be discussed with the student's instructor and supervising dentist to determine if the patient must be dismissed. If the patient is dismissed, a formal letter of dismissal must be sent to the patient explaining the reason for their dismissal.

CLINIC EMERGENCY PROTOCOL

The student whose "patient" (classmate or clinic patient) is experiencing a medical emergency *should stay with that patient until EMS arrives.*

Dental Student/Operator treating patient with emergency

1. Discontinue treatment.
2. Verbally summons an adjacent student operator by saying "Emergency".
3. Lay the patient back in a supine position.
4. Assist dentist and clinical instructor as needed and document vitals. Have patient's medical history, including age, and medication list ready for EMS.
5. Stay with the patient until the emergency is over, or EMS has arrived.
6. Document the emergency in the patient chart.

Adjacent Student

1. Once you hear the word "Emergency," ***immediately*** escort the Supervising Dentist to the location of the emergency.
2. Notify the front office coordinator, and pod instructor of the emergency. Find the CA's to complete and return to your patient.

Clinical Assistant's (CA's)

1. Walk to operatory of emergency. If the Dentist requests EMS should be summoned, inform the front office coordinator to contact EMS ***immediately***.
2. CA's will stand outside the side and front clinic entrances waiting to guide EMS to the emergency.

Supervising Dentist

1. Assess the patient for need of EMS.
2. If EMS is needed, verbally command CA's to alert front office coordinator.
3. Administer necessary medications/oxygen/AED.
4. Continue basic life support until EMS arrives.
5. Follow-up with patient status 24 hours after the emergency.

Clinical Instructor

1. Immediately go to the sight of the emergency.
2. If the dentist verbalizes EMS is needed hit the red button on any clinic phone.
3. Return to the emergency to assist the Dentist as needed.

Front Office Coordinator

1. If EMS is needed, alert security by hitting the red button on any clinic phone and dialing 911 immediately. Give the EMS operator the following information:
    a. "This is Horry-Georgetown Technical College Dental Clinic. We need an ambulance immediately for a medical emergency. Our address is 3501 Pampas Drive Building 1000 and our front entrance faces the east side at Mallard Lake Drive. We will have persons stationed outside the front of the clinic to escort you to the emergency."
2. Stay on the phone with EMS until they arrive.
3. Contact the patient's emergency contact to inform them of the medical event post event.
4. Follow-up with patient status 24 hours after the emergency.PAMHQ: PRE-APPOINTMENT

MEDICAL HISTORY QUESTIONNAIRE

Scanned_____

Patient's Name: _____ Student's Name: _____

Date and Time of Appointment: _____ Date and Time Contacted: _____

Call: Monday for Thursday Appts / Thursday for Tuesday /
Wednesday for Monday / Friday for Wednesday

Hello! My name is _____ and I will be your dental hygienist at the Dental Clinic at Horry-Georgetown Technical College on __ (see above). In preparation for your upcoming appointment, I need to ask you a few questions regarding your medical history (***Initial beside each numbered item after responses are received and then scan the form into Smart Docs***):

(1) If they do not answer, leave a detailed message with the following questions/information and request that they call you back as soon as possible at 843-839-1070 with their responses.

Their Phone # _____

(2) Have you had any changes in your medical status since we saw you last – Any hospitalizations, trips to the ER, heart attacks, strokes, etc.? _____

a. If yes, get details and see (6) below.

b. Date of Last Visit: _____

c. Date of Last X-Rays with HGTC: _____

i. If you had x-rays done at your dentist's office, contact them immediately and request that they send them to us to Dental.Clinic@hgtc.edu. If we do not receive them prior to your appointment, new digital x-rays may be required.

(3) Emergency Contact Name and Telephone Number: _____

(4) Are you taking any medications?

a. If yes, get names and dosages. Remind them to bring a list with them.

b. Remind all patients to take their meds as directed. I.e., Diabetics should eat and take meds/insulin.

(5) Are you allergic to any medications or anything else we should be aware of? I.e.: Penicillin, Latex, Metal, etc.

(6) Have you had any: Joint replacements, heart valve replacements, are you on dialysis, any hospitalizations or ER visits?

a. For NEW or RECARE Patients: If yes, a Medical Consultation Form is required **before** they can be seen in the clinic.

i. Check Smart Docs. If the signed form is not on file, you will need to cancel their appointment. Get their mailing address and/or email address so we can send the form to them. They will need to complete the top section and return it to us for processing. We will then forward it to their physician's office. Once we receive the completed form back, we will call the patient with an update and to reschedule them.

b. For PREMED Patients:

i. Remind them to take that antibiotic one hour prior to their appointment.

ii. If they need a refill, they will need to contact their physician's office immediately to request the antibiotic.

iii. A premed for an artificial joint could be different from a premed for dialysis and could therefore require the patient to take more than the standard dosage. A new med consult form will be required before they can be seen in the clinic. Cancel their appointment and follow (6) a. above.

c. Add an Alert and a Chart Note to the patient's file with details.

d. Notify Dana Gasque immediately so the patient can be added to the Med Consult Tracker.

(7) Have you experienced any COVID symptoms within the past 14 days or do you have an active/oozing cold sore?

   a. If yes, cancel their appointment and reschedule them at least two weeks from onset.

(8) Are you expecting (pregnant)? If so, are you a "high risk" pregnancy?

   a. Check EagleSoft for their age first.

   b. If yes, a letter from their OB/GYN is required **prior** to their scheduled appointment. The physician must give approval to receive digital x-rays and/or local anesthesia. Email or fax to 843-349-7576.

(9) The maximum balance owed at the completion of the cleaning appointment will be $40.00. It is cold in the clinic, so remember to wear something warm or bring a jacket. Appointment times are three (3) hours each, so please be prepared to stay the entire time.

PATIENT MEDICAL CONDITIONS REQUIRING PRECAUTIONS

Some medical conditions will alter the treatment of a patient. Understanding medical conditions and medications which may require modifications to patient care is your responsibility to understand.

Taking a complete patient's medical and medication history is critically important.

All medical conditions and current medications of a patient must be presented and discussed with the instructor (and Dentist, as needed) during each clinic visit, and prior to beginning treatment. Students must be diligent in completing the patients' medical history pre-appointment medical history questionnaire (PAMHQ) call and questioning prior to their appointed visit at the clinic. (See the PAMHQ form above). This call helps the student clinician identify any current or new medical conditions which may impact their upcoming dental visit.

Dental treatment guidelines for some medical conditions may change periodically. Students should consult with the supervising dentist and clinical instructor for guidance as well as searching scientific-based resources for current information pertaining to patient care.

If a patient is unsure of the severity of their current medical status and/or cannot confidently answer questions about their health, it is in the best interest of patient health and well-being to contact their medical provider for further clarity before proceeding with treatment.

Medical Consultation Clearance Forms and PAMHQ forms are located at the front desk and in the dental clinic, at the main instructor desk.

The following list of conditions may require patient modifications. This list will continue to evolve and is not all-encompassing. It is at the discretion of the supervising dentist or instructor to contact a medical provider and/or specialist for further clarification prior to treating a patient in the Community Dental Clinic or Dental Hygiene Clinic at HGTC.

Angina Pectoris

Patients should be questioned concerning frequency of anginal attacks and number of nitroglycerin tablets required daily or during an anginal episode.

Consult with the supervising dentist as needed.

Blood Disease

Patients with Sickle Cell Disease, Polycythemia, White Blood Cell Disorders (including neutropenia, lymphocytopenia, leukocytosis, and leukemia), and Platelet Disorders require a completed medical consultation with a medical provider and/or hematologist prior to routine dental care to determine if treatment modifications need to be made.

Possible antibiotic prophylaxis.

Consult with the supervising dentist as needed.

Blood Thinning Medications

Anticoagulant therapy is seldom discontinued or recommended for most dental treatment because the risk for intravascular clot formation is greater than the risk for bleeding during a dental procedure.

If a patient is scheduled for invasive procedures, such as oral surgery in the Community Dental Clinic, please obtain a completed medical consultation with a medical provider and/or cardiologist prior to surgical dental procedures to determine if treatment modifications need to be made.

Consult with the supervising dentist as needed.

Cancer

Patients undergoing chemotherapy, radiation or stem cell therapy may be too immunocompromised to seek routine dental care.

Contact the patient's medical care provider and/or oncologist for guidance and to obtain a completed medical consultation form prior to providing dental care.

Consult with the supervising dentist as needed.

Cardiac/Valvular Disease

Antibiotic prophylaxis before certain dental procedures which involve manipulation of tissue are recommended in patients with:

- Prosthetic cardiac valves including prosthetic material used for repair.
- History of infective endocarditis
- Cardiac transplant with valve regurgitation
- Unrepaired cyanotic congenital heart disease
- Repaired congenital heart defect with valve regurgitation.

For new patients, contact the patient's medical care provider and/or cardiologist and obtain a completed medical consultation form to determine antibiotic regimen prior to providing dental care.

Antibiotic Prophylaxis required.

Consult with the supervising dentist as needed.

Cerebrovascular Accident (Stroke)

Patients who experienced a Stroke less than six (6) months ago are not to be treated for routine dental care. After the 6-month period, the patient may proceed with routine dental care. Remember, this patient may be taking a blood thinning medication and is prone to bleeding more easily.

Consult with the supervising dentist as needed.

Congenital Heart Defect-Pediatric

Congenital heart defects (CHD) in children (not fully repaired, repaired less than six months ago, or repaired with residual defects) may require antibiotic prophylaxis for routine cleanings or other dental procedures. Contact the patient's medical care provider and obtain a completed medical consultation form prior to providing dental care.

Consult with the supervising dentist as needed.

Congestive Heart Failure:

Place patient in a semi-supine position to alleviate any breathing difficulties; do not fully recline. If this patient is prescribed nitroglycerin, ask the patient to bring it to their appointment. *Uncontrolled congestive heart failure patients should not be seen for elective dental care due to high risk of sudden cardiac events.

Consult with the supervising dentist as needed.

Diabetes

Good glucose control is important for diabetic patients since the disease predisposes patients to periodontitis and inflammation. Question the patient about their glucose control and their most recent A1c level.

Glucose testing kits are available should there be a question as to whether the patient should proceed with treatment. Sources of glucose are available adjacent to the emergency kit if required.

Consult with the supervising dentist as needed.

Dialysis & Renal Failure

Patients with kidney disease or renal failure are at higher risk for oral infections, including blood infections, heart valve infections, and infections of the artery lining. Patients on dialysis or in renal failure may need to take antibiotics before a dental procedure and/or alter their medications to help prevent infections.

Contact the patient's medical care provider and/or nephrologist and obtain a completed medical consultation form prior to providing dental care for patients on dialysis or with end-stage renal failure.

Possible antibiotic prophylaxis.

Consult with the supervising dentist as needed.

Herpetic Lesions

If the patient has an active case and visible oozing lesions, they should be rescheduled. Explain to the patient that herpetic lesions are extremely contagious, and rescheduling is for the safety of the student and the comfort of the patient. The patient can be rescheduled when symptoms have fully resolved.

Consult with the supervising dentist as needed.

Myocardial Infarction (Heart Attack)

Patients who experienced a heart attack less than six (6) months ago should not be treated for routine dental care. After the 6-month period, the patient may proceed with routine dental care. Remember, this patient may be taking a blood thinning medication and is prone to bleeding more easily.

Consult with the supervising dentist as needed.

Pacemaker

Antibiotic premedication is not recommended for patients with pacemakers or other cardiovascular implantable devices like defibrillators. Patients with pacemakers should still tell their dentist about their device and any other health issues when they arrive for their appointment.

After getting a pacemaker, patients may need to wait 4–6 weeks before getting routine dental work. For a recently placed pacemaker or implantable device, contact the patient's medical care provider and/or cardiologist and obtain a completed medical consultation form prior to providing dental care.

Consult with the supervising dentist as needed.

Pins/Plates/Screws

No treatment modifications, including antibiotic prophylaxis before dental procedures are indicated for patients with pins, plates, and screws.

Consult with the supervising dentist as needed.

Prosthetic Joints

HGTC Dental Clinics will continue to follow the treatment recommendations of the American Dental Association (ADA), with guidance from the medical providers of our patients on an individual basis.

In patients with prosthetic joint implants, a 2015 ADA clinical practice guideline, based on systematic review states, "In general, for patients with prosthetic joint implants, prophylactic antibiotics are not recommended prior to dental procedures to prevent prosthetic joint infection."

***Clinic protocol for new patients stating history of prosthetic joint replacement requires a signed medical consultation release form (from patient's surgeon or medical provider) stating whether antibiotic premedication is required *prior to the student performing any invasive treatment on the patient*. This protocol is in place for the health and safety if the patient, to prevent a potential bacteremia related to dental procedures.**

***If a patient of record states they 'no longer require antibiotic prophylaxis' before dental visits, the dental clinic must receive signed documentation from the patient's surgeon or medical provider before treatment can continue.**

****Once a signed medical consult has been received by the dental clinic for new or current patients, the document can be scanned into SmartDocs as a legal document in the patient record.**

Possible antibiotic prophylaxis.

Consult with the supervising dentist as needed.

Pregnancy

Patients benefit from routine dental care during pregnancy, which may be rendered during all trimesters of pregnancy. If a patient states they are a high-risk pregnancy, contact the patient's medical care provider and obtain a completed medical consultation form prior to providing dental care.

Ask the patient if they prefer to be seated in a semi-supine position, since reclining fully during pregnancy may be uncomfortable. The clinician may also offer to place a rolled-up blanket under the right hip to take the pressure off the spine and superior vena cava.

Expose radiographs only if necessary. See the Radiology Section for further information about exposure during pregnancy.

Consult with the supervising dentist as needed.

Respiratory Disease

Use of the Air-Flow Polisher and Ultrasonic Scaler are contraindicated in patients with severe respiratory disease or other conditions which limit swallowing or breathing. Conditions include asthma, chronic obstructive pulmonary disease, emphysema, chronic bronchitis, and cystic fibrosis. Aerosolized particles generated during such procedures can negatively impact individuals with compromised respiratory function.

Patients with respiratory disease may not feel comfortable fully reclined so consider semi-upright during treatment.

Consult with the supervising dentist as needed.

Transplants

Patients who receive organ or stem cell transplants should avoid dental treatment for at least three (3) months.

Contact the patient's medical care provider and/or specialist and obtain a completed medical consultation form prior to providing dental care.

Consult with the supervising dentist as needed.

Tuberculosis

Patients who have a long-standing cough, indicates they have night sweats, and unexplained weight loss should be suspected of active Tuberculosis. This patient should be dismissed and seek medical care immediately. This patient must have a completed medical consultation form prior to rescheduling.

If the patient indicates a history of Tuberculosis, it is important to ask when they were diagnosed.

Consult with the supervising dentist as needed.

Dental Procedures and Antibiotic Prophylaxis

If indicated, antibiotic prophylaxis is recommended for all dental procedures that involve manipulation of gingival tissue or the periapical region of teeth or perforation of the oral mucosa.

Antibiotic prophylaxis is *not* recommended for anesthetic injections, taking radiographs, placement of prosthodontic or orthodontics appliances, adjustment of orthodontic appliances or brackets, shedding of primary teeth, and bleeding from trauma to lips or mucosa.

Table 1. ANTIBIOTIC REGIMENS FOR A DENTAL PROCEDURE REGIMEN: SINGLE DOSE 30 TO 60 MINUTES BEFORE PROCEDURE

Situation	Agent	Adults	Children
Oral	Amoxicillin	2 g	50 mg/kg
Unable to take oral medication	Ampicillin OR Cefazolin or ceftriaxone	2 g IM or IV 1 g IM or IV	50 mg/kg IM or IV 50 mg/kg IM or IV
Allergic to penicillin or ampicillin —oral	Cephalexin*† OR Azithromycin or clarithromycin OR Doxycycline	2 g 500 mg 100 mg	50 mg/kg 15 mg/kg < 45 kg, 2.2 mg/kg > 45 kg, 100 mg
Allergic to penicillin or ampicillin and unable to take oral medication	Cefazolin or ceftriaxone†	1 g IM or IV	50 mg/kg IM or IV

Clindamycin is no longer recommended for antibiotic prophylaxis for a dental procedure.
IM indicates intramuscular; and IV, intravenous.
* Or other first-or second-generation oral cephalosporin in equivalent adult or pediatric dosing.
† Cephalosporins should not be used in an individual with a history of anaphylaxis, angioedema, or urticaria with penicillin or ampicillin.

SPECIAL NEEDS CATEGORIES

Pregnant

Pediatric

Cleft Lip/Palate

Endocrine-Pituitary, Thyroid, Pancreas, Women's Health (Oral Contraceptives, Puberty, Menopause)

Older Patient

Edentulous

Cancer (Chemotherapy, Radiation)

Disabled

Physical Impairment (MS, Arthritis/type, Scleroderma, Parkinson's, Cerebral Palsy, Stroke, Muscular Dystrophy, Bell's Palsy)

Sensory Impairment (Vision, Hearing)

Neurodevelopmental (Intellectual, Autism, Down Syndrome)

Seizure Disorder (Epilepsy)

Mental Health Disorder (Anxiety, Depression, Bipolar Disorder, Eating Disorder, Schizophrenia)

Substance Abuse (Drugs, Alcohol)

Respiratory Disease (Bronchitis, TB, Bronchitis, Asthma, COPD, Cystic Fibrosis, Sleep Apnea)

Cardiovascular Disease (Endocarditis, Rheumatic Disease, Congenital, Mitral Valve, Hypertension, Angina, Myocardial Infarction, Heart Failure, Heart Surgery)

Blood Disorder (Anemia/type, Sickle Cell Disease, Blood or Platelet Disorder)

Diabetes (Type 1 or Type 2)

Developmental disabilities: are severe long-term disabilities appearing before age 22 that affect cognitive ability and/or physical function. Examples include blindness and Down Syndrome

Intellectual disabilities are disorders characterized by limitations in intellectual function (such as learning and problem solving) and adaptive behavior. They can be caused by injury, disease, genetics, or brain abnormality. These conditions include fetal alcohol syndrome and fragile X syndrome.

Traumatic brain injury is an acquired brain injury stemming from sudden trauma. It can affect language, learning, behavior, and sensation.

Complex medical histories can involve patients with cancer, organ failure, cardiac concerns, or compromised immune systems. Medical consultations are often needed before initiating dental treatment.

Sensory impairments affect sight, hearing, smell, touch, and taste. A patient who is deaf, for example, will require a sign language interpreter or communication in writing.

Physical disabilities involve some form of mobility limitation, loss of function of one or more limbs, paralysis, or impaired fine or gross motor skills. These can be caused by neurological conditions, spinal cord injuries, and frailty with advanced age. These patients may require extra assistance getting into and out of the building or dental chair.

Mental illnesses can cause patients to be unmotivated or fearful of the dentist. Often these patients have high rates of drug and alcohol use, leading to other systemic complications and noncompliance.

Behavioral and emotional conditions, such as attention deficit/hyperactivity disorder or autism, require individualized attention, and usually shorter appointments. Often, it is beneficial to have a caretaker present at appointments.

ASA CLASSIFICATIONS

Table 22-1 ASA Physical Status Classification System[13]

	ASA Classification	Examples of Physical or Psychosocial Manifestations	Dental Hygiene Treatment Considerations
ASA I	No systemic disease; a normal, healthy patient with little or no dental anxiety	Non smoker Healthy body weight ADL/IADL level = 0	No modifications necessary
ASA II	Mild systemic disease or extreme dental anxiety	Well-controlled mild chronic conditions (e.g., diabetes, epilepsy) Mild lung disease Mild obstructive sleep apnea Smoker Social drinking Overweight or obese Healthy pregnant woman ADL/IADL level = 1	Minimal risk; minor modifications to treatment and/or patient education may be necessary
ASA III	Systemic disease that limits activity but is not incapacitating	Functional limitations with 1 or more chronic conditions Poorly controlled disease (e.g., diabetes) Substance abuse Morbid obesity Severe obstructive sleep apnea ESRD with dialysis Autism at the severe end of the spectrum ADL/IADL level = 2 or 3	Elective treatment is not contraindicated, but serious consideration of treatment and/or patient/caregiver education modifications may be necessary
ASA IV	Incapacitating disease that is a constant threat to life	Unstable cardiovascular conditions Severe respiratory distress Ventilator dependent	Conservative, noninvasive management of emergency dental conditions only; more complex dental intervention may require hospitalization during treatment; caregiver training for daily oral care may be necessary
ASA V	Patient is not expected to survive	Multiple organ system failure Respiratory failure	Only palliative treatment is provided to keep the patient comfortable and out of pain

ADL, activities of daily living; ASA, American Society of Anesthesiologists; IADL, instrumental activities of daily living
Data from American Society of Anesthesiologists. ASA physical status classification system. http://www.asahq.org/resources/clinical-information/asa-physical-status -classification-system.

Table 22-3 Measures of Patient Functioning

Examples of ADL	Examples of IADL	Levels
Brushing Flossing Applying interdental aids Feeding Ambulation (walking) Bathing Continence Communication Dressing Toileting Transfer (from bed to toilet) Grooming	Maintaining self-care regimens Ability to make and keep dental appointments Writing Cooking Shopping Climbing stairs Managing medication Reading Cleaning Using telephone	*Level 0:* Ability to perform the task without assistance *Level 1:* Ability to perform the task with some human assistance; may need a device or mechanical aid but or still independent *Level 2:* Ability to perform the task with partial assistance *Level 3:* Requires full assistance to perform the task; totally dependent

ADL, activities of daily living; IADL, instrumental activities of daily living

AMERICAN ACADEMY OF PERIODONTOLOGY'S (AAP) GUIDELINES FOR STAGING AND GRADING PERIODONTITIS

In 2017 the World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions resulted in a new classification of periodontitis characterized by a multidimensional staging and grading system. Staging and grading are used solely to describe the severity, extent, and prognosis of periodontitis.

- **Staging** intends to classify the severity and extent of a patient's disease based on the measurable amount of destroyed and/or damaged tissue as a result of periodontitis and to assess the specific factors that may attribute to the complexity of long-term case management.
- **Grading** aims to indicate the rate of periodontitis progression, responsiveness to standard therapy, and potential impact on systemic health.

The dental hygiene clinician should complete a comprehensive periodontal examination, charting, and radiographs. Once the data is gathered and periodontitis has been established, then the data can be interpreted within the framework of the staging and grading system to better describe the disease.

The possible diagnoses are health, gingivitis, or periodontitis. Establishing the diagnosis is quite simple. If there is any level of bone loss, the patient has *periodontitis*. If there is no bone loss but there is bleeding on probing (BOP), the patient has *gingivitis*. If all sulci are 1–3 mm with no BOP, redness, or swelling, the patient is *healthy*.

If the patient is healthy or has gingivitis, staging and grading *does not apply and should not be undertaken*. If a patient has periodontitis, then the disease is staged and graded according to the AAP guidelines. See the chart below for reference.

STAGING	Periodontitis	Stage I	Stage II	Stage III	Stage IV
Severity	**Interdental CAL (at site of greatest loss)**	1-2 mm	3-4mm	≥5 mm	≥5 mm
	RBL	Coronal third (<15%)	Coronal third (15%-33%)	Extending to middle third of root and beyond	Extending to middle third of root and beyond
	Tooth Loss (due to periodontitis)	No tooth loss		≤4 teeth	≥5 teeth
Complexity	**Local**	• Max probing depth ≤4 mm • Mostly Horizontal bone loss	• Max. probing depth ≤5 mm • Mostly Horizontal bone loss	In addition to Stage II complexity: • Probing depths ≥6mm • Vertical bone loss ≥3mm • Furcation involvement Class II or III • Moderate ridge defects	In addition to Stage III complexity: Need for Complex rehabilitation due to: -Masticatory dysfunction -Secondary occlusal trauma (tooth mobility degree ≥2) -Severe ridge defects -Bite collapse, drifting, flaring -<20 remaining teeth (10 opposing pairs)
Extent and distribution	**Add to stage as descriptor**	For each stage, describe extent as: • Localized (<30% of teeth involved); • Generalized: or • Molar/incisor pattern			

AAP STAGING AND GRADING

GRADING	Progression		Grade A: Slow rate	Grade B: Moderate rate	Grade C: Rapid rate
Primary Criteria *Whenever available, direct evidence should be used.*	Direct evidence of progression	Radiographic bone loss or CAL	No loss over 5 years	<2 mm over 5 years	≥2 mm over 5 years
	Indirect evidence of progression	% bone loss/age	<0.25	0.25 to 1.0	>1.0
		Case phenotype	Heavy biofilm deposits with low levels of destruction	Destruction commensurate with biofilm deposits	Destruction exceeds expectations given biofilm deposits; specific clinical patterns suggestive of periods of rapid progression and/or early onset disease
Grade modifiers	Risk factors	Smoking	Non-smoker	<10 cigarettes/day	≥10 cigarettes/day
		Diabetes	Normoglycemic/no diagnosis of diabetes	HbA1c<7.0%in patients with diabetes	HbA1c≥7.0% in patients with diabetes

LOCAL/INFILTRATION ANESTHESIA

The dentist will perform all block anesthesia. Once the dental hygiene student learns infiltration anesthesia, he/she may administer the anesthesia under the direct supervision of the supervising dentist. If a patient requires anesthesia to receive dental hygiene treatment, the following protocol will be followed.

1. The dentist on duty in the clinic must be notified in advance.
   a. Notify the dentist prior to patient arrival.
   b. You will be expected to know (and will be asked by the dentist):
      - ❑ Special Medical History findings pertinent to the local anesthesia procedure
      - Area of the mouth that you will work on.
      - Nerves that will be anesthetized for each injection.
      - Method of anesthesia (Block or Infiltration).
      - Choice of needle for specific technique.
      - Specific anesthesia to use (plain or with epinephrine) for the patient and the rationale for the choice.
      - Expiration date of anesthetic cartridge.

2. Prepare the equipment and supplies that will be needed to anesthetize the patient. This includes the following:
   a. 2 PIECES OF GAUZE (2X2)

   b. 1 COTTON TIPPED APPLICATOR WITH TOPICAL ANESTHESIA

   c. 1 NEEDLE:
      - 27 GAUGE LONG (YELLOW)

   OR
      - 30 GAUGE SHORT (BLUE)

   d. ASPIRATING SYRINGE

   e. ANESTHETIC CARTRIDGE
      - CARBOCAINE PLAIN

   OR
      - LIDOCAINE WITH EPINEPHRINE 1:100,000

3. Preparation:
   a. Place the needle and the anesthetic cartridge on the anesthetic syringe.
   b. Be sure to seat harpoon of syringe into the rubber stopper of the cartridge.
   c. Loosen the cap of the needle and place on bracket tray.
   d. Place needle recapping device on the bracket tray. This should be done after the patient arrives but prior to seating the patient.
   e. Cover the prepared syringe with a patient napkin.

4. Seat the patient and prepare for the procedure. Explain to the patient:
    a. Reason for anesthetizing.
    b. Areas that will become numb with the anesthesia.
    c. Expected duration of anesthesia.
    d. Precautions to follow after leaving clinic.

5. Advise the dentist that you are ready.

6. Assist the dentist during the administration of the anesthetic.
    a. Transfer the topical anesthetic, gauze, and anesthetic syringe to the dentist, when required.
    b. Be sure to transfer the anesthetic syringe using rear delivery.
    c. Cap the needle using the scoop technique or the recapping device on the bracket tray. **DO NOT ATTEMPT TO CAP THE NEEDLE BY HOLDING THE CAP IN YOUR HAND.**

7. Monitor the patient while the anesthetic takes effect. This will be done every time local anesthesia is administered. **DO NOT LEAVE THE PATIENT ALONE AT THIS TIME.**
    a. Advise the dentist immediately if any adverse reactions are evident by following the procedures for emergencies in the clinic.

8. If additional anesthesia is required, have all the needed anesthetic cartridges on hand and the syringe ready before calling the dentist.

9. After the appointment is finished, dispose of the used needle and anesthetic cartridge in the red **SHARPS CONTAINER** available at each unit or in the sterilization area. **DO NOT PUT USED NEEDLES WITH THE REST OF THE CLINIC TRASH!**

10. Give the anesthetic syringe to the sterilizing assistant for cleaning, bagging, and sterilization.

11. Make sure that the anesthesia procedure is recorded properly on the patient's Record of Treatment. The area anesthetized, name and type of topical anesthetic as well as the local anesthetic used (plain or with epinephrine), and the number of anesthetic cartridges required for treatment should be noted. In addition, if any adverse reactions occurred, these should be noted.

INTRA-ORAL PHOTOGRAPHY

(Digital Method)

1. Turn on dental chair.

2. Turn on computer.

3. Obtain intraoral camera and barrier from instructor at the large instructor station. (You will need to check this equipment out by signing your name and time-out on the sign-out sheet. When you return the camera, you will document time of return). Students are not permitted to used the intra-oral camera without an instructor present.

4. Attach camera to the cable.

5. Put barrier on the intraoral camera – lens should be towards the paper side of the barrier.

6. Open Eaglesoft.
    - Go to the operatory screen and click on the intraoral camera that is laying on the bracket tray. This will take you to the intraoral camera set-up.
    - Type in patient's name.

7. Place camera in the patient's mouth focusing on the area that is to be photographed. Swipe finger across ridge on camera to take a photo. This happens quickly, so make sure you are not taking more images than you need.

8. To freeze the picture, press the button on the camera handle and click. If you do not want to freeze this picture, click on the button again and the camera will be ready for another image.

9. Once you have the images you want, click on SAVE and they will be saved to the patient's chart.

10. These images can be used for the following patient education aspects:
    - "Before and After" scaling documentation
    - Abnormalities
    - Caries
    - Stain and debris
    - "Before and After" whitening documentation

CRITERIA FOR THE EVALUATION OF CLINICAL PERFORMANCE (ADPIE)

ASSESSMENT, DIAGNOSIS & PLANNING

Medical History

1. Records all information correctly; reviews findings with patient and questions any unclear statements.
2. Identifies all problems and correlates those pertinent to dental hygiene care.
3. Notes all contraindications to dental care.
4. Obtains the proper signatures.
5. Records vital signs on all adult patients, younger patients if warranted.
6. Updates all information at subsequent visits.
7. Determines need for physician consult.
8. Looks up all medications to determine adverse reactions to dental care.
9. Determines last dental visit and radiographs.
10. Risk factors regarding dental hygiene treatment are noted and recorded.

Extraoral/Intraoral Examination (EO/IO)

1. Records normal and abnormal findings both extraorally and intraorally to include:

- Physical appraisal
- Lymph nodes
- Muscles
- Glands
- TMJ
- Skin, Eyes, Lips
- Mucosa
- Vestibule
- Floor of mouth
- Salivary duct openings
- Tongue
- Maxillary tuberosity
- Retromolar area
- Alveolar ridges
- Palate
- Oral pharynx
- Gingiva
- Enamel
- Dentition

2. Verbalization of significance of findings. (cause/relationship)
3. Explanation of significance to patient as indicated.
4. Updating information on recare visits.
5. Risk factors for dental hygiene treatment are noted.

Periodontal Evaluation

1. Records all pocket depths accurately with appropriate technique
2. Recognizes and notes furcation involvement, bleeding, exudate sites, recession, and tooth mobility.
3. Assesses total clinical attachment loss, documents the amount of CAL, and draws a pictorial view of the CAL in green ink/pencil.
4. Assesses gingival conditions with reference to:
    - Color
    - Consistency
    - Texture
    - Shape
    - Bleeding
    - Attached Gingiva
    - Mucogingival defects
5. Re-evaluates recordings on recare visits.
6. Utilizes x-rays to further update periodontal charting and conditions.
7. Risk factors for dental hygiene treatment are noted.

Dental Inspection & Charting

1. Accurately records caries, restorations, missing teeth, unerupted teeth, bridges, crowns, appliances and other significant findings.
2. Accurately records the classification of occlusion, facial profile, and any malrelations.
3. Accurately assesses any developmental and regressive changes.
4. Notes any oral habits leading to regressive changes.
5. Utilizes x-rays to further update dental charting.
1. Risk factors for dental hygiene treatment noted.

Deposit Assessment

1. Accurately assesses amount and location of hard and soft deposits as well as stains.
2. Accurately assigns classification type according to the amount of calculus and degree of difficulty of the patient.

Dental Hygiene Diagnosis

1. AAP Staging/Grading noted
2. Special Needs noted
3. Risk factors noted

Dental Hygiene Care Plan/Appointment Plan

1. Organizes an appropriate and comprehensive care plan (with input from the clinical instructor) to include the following:
    a. Consideration of case difficulty in relation to the amount of time for total treatment.
    b. Recognition of systemic or physical conditions in relation to entire procedure.
    c. Planning for special needs patients.
    d. Anticipated outcomes.
    e. Incorporation of risk factors, clinical goals, therapeutic interventions, and evaluation measures.

CLINICAL IMPLEMENTATION, EVALUATION & DOCUMENTATION

Patient Education

1. Prescribing a toothbrush, a method of brushing, and demonstrating technique for each patient.
2. Prescribing the use of supplementary oral physiotherapy aids and demonstrating correct techniques for each patient when indicated.
3. Allowing the time for the patient to demonstrate these techniques to the operator.
4. Discussion of oral health topics based on the patient's needs.
5. Consulting instructors, making referrals, and educating parents when indicated.
6. Performing ***Plaque Index*** when indicated.
7. Accurately re-evaluates tissues at subsequent appointments.

Treatment

1. Performed to the *ADHA Standard of Care.*
2. Correct sequence is utilized.
3. Modifications for special needs is implemented.
4. Faculty consulted when modifications are necessary.
5. Instruments are sharp.

Evaluation

1. Re-evaluation is performed on previously treated areas.
2. Self-evaluation performed prior to check-out.

Ergonomics

1. Loupes are utilized during treatment.
2. Operator positioning is correct.
3. Patient positioning is correct.

Management Skills

1. Time is utilized wisely.
2. Rapport is established with the patient.
3. Maintains effective interpersonal communication with the patient with reference to:
    a. positive verbal/non-verbal gestures
    b. appropriate eye contact
    c. communicates in a professional manner
    d. communicates to the educational level of the patient
    e. places patient's needs as a priority
    f. provides correct information to the patient
    g. maintains confidentiality of all patient information

Records

1. Completed appropriately and accurately on paper and in EagleSoft.
2. Thorough and neat
3. Consent/HIPAA forms completed and signed.
4. Recare noted in proper format.
5. Records are turned in with proper order.
6. Grade sheet is completed accurately.
7. All records are returned to their appropriate place.

PROFESSIONALISM

Infection Control
1. Appropriate PPE worn by operator
2. Patient protective equipment worn
3. Infection control procedures followed on clinic floor & X-Ray
4. No food or drinks in the clinical area

Teamwork
1. Assists classmates
2. Assists Clinical Assistant & Radiology Assistant
3. Respectful to colleagues, faculty & staff

Ethical Behavior
1. Practices within the scope of the *ADHA Code of Ethics*
2. Maintains confidentiality at all times.
3. Practices cultural sensitivity.
4. Treats all patients, faculty & peers with respect.
5. Does not use unprofessional language.
6. Does not exhibit unprofessional behavior: crying, displaying anger, moaning sighing, etc.

Timeliness
1. Does not leave clinic early.
2. Arrives at least 30 minutes PRIOR to scheduled AM appointment for huddle.
3. Calls Front Office and/or clinical faculty if late or absent.

Radiology
1. Follows all stated safety guidelines.
2. Consults with instructor PRIOR to taking radiographs.

Equipment Usage
1. Respects all equipment.
2. If unsure of operating procedure, either asks or looks up directions PRIOR to procedure.
3. Leaves lab/clinic in proper order at end of clinical session.

Instrumentation (Periodontal Debridement/Polishing)
1. Selection of appropriate sharp instruments according to nature and location of deposits.
2. Use of mouth mirror, dental light, and air to see each area to be scaled.
3. Demonstration of correct grasp, fulcrum, blade positioning, and instrument activation with effective direction, length and pressure of strokes.
4. Performs instrumentation that creates no undue trauma and/or tissue laceration.
5. Obtains a surface free of all hard and soft deposits.
6. Removal of all soft deposits and extrinsic stains without damage to tooth and surrounding tissue.
7. Selection of appropriate abrasive.
8. Flossing upon completion.
1. Selects appropriate fluoride agent and utilizes proper technique in application.

NOTE: POINTS FOR EACH CATEGORY MAY CHANGE EACH SEMESTER AS THE STUDENT PROGRESSES TOWARDS MORE CHALLENGING TECHNIQUES. THIS INFORMATION IS DOCUMENTED ON CLINICAL GRADE SHEET AND DENOTED BY CLINICAL COURSE.

PROFESSIONAL BEHAVIOR/CONDUCT AREAS OF FOCUS

I. Ethical Conduct

- Adheres to the *ADHA Principles of Ethics* and *Standards of Care*.
- Maintains complete confidentiality of all patient information.

II. Appearance/Personal Protective Equipment

- Specified uniforms and other over-garments are neat, clean, pressed, etc. when worn in clinic, classroom, and other college-related activities.
- Hair, fingernails, make-up, proper earrings, safety glasses, loupes latex-free examination gloves, face shield, and NO perfumes or scented lotions, etc.

III. Cooperation/Professional Attitude/Decision-Making

- Arrives to class, clinic, lab, and/or program activity on time. Attends all assigned clinic sessions and never leaves clinic, class, lab, and/or program activity without the permission of the course/clinic supervisor.
- Follows verbal and written instruction in the didactic and clinical setting as set forth by the faculty.
- Serves all patients without discrimination in a compassionate, empathetic, caring manner and provides considerate, respectful treatment.
- Records errors during instructor evaluation on the "Patient Assessment" sheet in **red** ink and makes corrections in patient record as designated by instructor.
- Overall attitude and communication demonstrate professional growth and maturity. ***Listens*** with apparent interest to statements of others. ***Communicates*** with faculty in a professional manner at all times. ***Avoids*** emotional outbursts or displays of personal feelings.
- Accepts constructive directives graciously.
    - Uses appropriate professional communication skills with instructor in presence of patient, staff, and other students.
    - Does not argue with instructor when evaluation of clinical performance is being completed.
    - Does not say and/or behave in an inappropriate manner in the presence of the patient (i.e., avoids saying "I've never done that before", "Oh, this is my first time at this…", "You are my first patient …"
    - Acts/talks in a manner that will enable a patient to trust, be confident, wanting to return, AND be YOUR patient.
- Demonstrates tact in disagreements with staff, faculty, patients, and peers as demonstrated by NOT:
    - Scowling at persons giving constructive criticism
    - Disagreeing with others in the presence of patients, faculty, or other students
    - Calling others by unkind names
    - Using loud tones of voice, inappropriate or profane language.
- Student selects appropriate conditions for discussing problems
    - Discusses personal concerns outside of clinic/class.
    - Discusses clinical concerns AFTER patient has left clinic and in private with clinical faculty.
- Cooperates with peers and assists other students/faculty when necessary in a positive manner.
- Cooperates with faculty.
    - The student does not harass faculty when they are waiting for an evaluation or progress check, or when the faculty is assisting another student.
    - The student does not go to another faculty member not who is not covering their section without permission of the section faculty member.
- Displays flexibility in unexpected situations and handles stressful situations properly.
- Requests an instructor check-out prior to patient dismissal.
- Displays radiographs on computer monitor during treatment.
- Abides by the procedures for the preparation and delivery of local anesthesia to the patient.
- Demonstrates initiative to complete work without being told.
- Recognizes need for additional tasks.
- Completes appointment book in accordance with clinical policies and/or dental software.
- Recognizes professional responsibility to fellow student partner, patient, and/or self. Refers to other policies and procedures in the Program and Clinical Manual as needed.

- Is truthful in relationships with peers.
- Represents the Dental Hygiene profession with high standards of personal conduct, academic excellence, honesty and professionalism.

IV. Asepsis

- Keeps clinical area clean and neat.
- Maintains sterile/aseptic environment.
- Keeps instruments clean, sterile, and sharp.

V. Equipment

- Properly cares for and maintains all equipment.
- Properly reports maintenance/repair needs.

GRADE DETERMINATION CLINICAL COURSES

Students' performance for each semester of clinical courses will be assessed based on the various measures/artifacts are listed below.

- Completion of Clinical Patients
- Completion of Clinical Competencies
- Performance in CA/RA Duties
- Completion of Radiographic Interpretation and Radiology Requirements

GRADING SYSTEM:

A=90-100
B=80-89
C=77-79
D=70-76
F=69 and below

*Student must complete a clinical course with a grade of 77% or higher to pass. If there is a lecture associated with a clinical course (DHG 165, DHG 175), students must complete both the lecture and clinical course with a grade of 77% or higher to pass.

For the specific number and type of evaluations, please refer to the Instructor's Course Information Sheet for each clinical course.

As students progress through clinical courses, the weighted values for graded categories will change accordingly. For example, in DHG 165, when students first begin to see clinical patients from the public, the weighted grade value is higher for assessment of the patient, than for clinical skill level. By the time the student is in their last clinical course, DHG 265, the weighted grade value is highest for clinical skill level, since the expectation is that clinical skills continue to improve as the student progresses through the program.

II. CLINICAL FORMS

TREATMENT SERVICES/FEES

Adult Cleaning	$40
Senior Citizen (55+) Cleaning	$30
Veteran Cleaning	$30
Student Cleaning (from any college, must have ID)	$20
Child Cleaning (16 and under)	$0
Professional Whitening	$80
Scaling and Root Planing	$60

ALL CLEANINGS INCLUDE X-RAYS AND FLUORIDE

CLINIC FLOW-FOR SEEING PATIENTS

1. 48 Hours prior to patient appointment a PAMHQ should be completed with the patient and scanned into SmartDocs. If a patient is returning one week or less than their previous appointment, a new PAMHQ is NOT required. When scanning the PAMHQ into Smart Docs, please be consistent and name it "Pre-Appt Med Hx for mm.dd.yy" (the date of the appointment).
2. For PREMED patients, to add the Pill Icon to their Appointment Detail screen, click on the patient's name, click the "Edit Screen", click "Preferences", then click on the box in the lower left corner that says, "Pre-Med Necessary". You will leave the "Prescription Template" blank. Click OK. Don't forget to click on "Alerts" and add "PREMEDICATE".
3. Turn chair on. Restart the computer daily, then log onto EagleSoft to view and monitor the day's schedule (Hide Patient's Name-Ctrl + H to comply with HIPAA regulations or if you are "On Schedule", you can hide your patient's info by clicking the "View" button at the top of the screen and "Hide Patient Names"). Make sure both computer screens are up. Key and letter P, Duplicate.
4. Cavi-Wipe Op using Utility Gloves
5. Gather supplies:
   - Instruments
   - Disclosing agent
   - Dappen dish
   - Vaseline and cotton swab
   - Clean pen and hand mirror

   Do Not Open Instruments Yet!
6. You will be notified of patient's arrival by checking on EagleSoft schedules arrival indicator. (**Small dot near patient name**); when the dot turns ***yellow***, your patient has arrived and checked in at the front desk. When the dot is ***red***, your patient is late. When the dot is ***green***, your patient is in the chair.
7. Patients must be seated on time. Seating a patient late will result in points deducted.
8. Review medical and dental history every appointment/E-Signature. *
   - Prescribed meds/OTC meds/Vitamins and doses
   - Purpose of meds/Adverse Dental effects
   - Do they need premedication/Any surgeries?
   - When last seen at dental office/Last radiographs?

   *In the event that the signature pads and/or Eaglesoft is not working properly, the patient can sign paper copies of these forms. The student is responsible to scan these paper documents into smartdocs after the visit is complete.
9. Record Vitals: Uncross feet
10. Review informed consent with patient if not done previously and have them sign every **recall** appointment/E-Signature.
11. Have patient sign patient rights form **one time only**/E-Signature.
12. Get Medical Clearance from instructor Prior to proceeding.
13. If recommended by Pod instructor/dentist sign patient up for necessary radiographs
14. If radiographs were taken, the student is required to have the clinic dentist read the radiographs before patient treatment is completed. The dentist will sign the appropriate area on the referral form showing radiographs were read. The student will record any findings from radiographs on the **patient referral form**.
15. If no radiographs were taken, the POD instructor will sign the referral form, then it is to be given to the patient.
16. Give patient Chlorhexidine Rinse: 15ml in medicine cup swish for 30 seconds.
17. CAMBRA Risk Assessment: If pt. is a child, review with parent.
18. Begin EO/IO: Remove dentures or partials.
    - Tell patient you are feeling for any abnormalities and to alert you to any tenderness.

19. Debris Indices:
    - Assess Biofilm 4 surfaces (mesial, distal, buccal and lingual) -using exploring to check supra and sub and/or stained biofilm from disclosing solution.

Show Patient Areas of Neglect-Provide OHI if time allows, also can be done at end of appointment.

20. Calculus Detection-Quad of the Day put on EO/IO form then in TalEval: Chart only Board Quality Calculus
21. Dental Charting:
    - Chart missing teeth first
    - Document all restorations + the material used.
22. Periodontal Charting:
    - Probing
    - Recession
    - Mobility
    - NOTE BLEEDING/SUPPURATION
23. Get instructor for Check-in and do DH Care Plan with instructor.

    Use a RED pen during check in to mark areas missed.
    - After reviewing DH Care plan with patient: Patient signs(parent), Student signs, Instructor signs accepting recommended treatment.
    - Periodontal Understanding explained to patient and pt. signature required if any pockets >6mm are present **(One time only)**.

Check-in is now complete begin treatment:

The student will proceed with the treatment plan for the patient based on the dental hygiene care plan. This may take multiple appointments, depending on the treatment plan.

1. Begin Prophy or SRP
2. Gather supplies for OHI, Ultrasonic scaler, Polishing and Flossing.
    - Handpiece
    - Prophy paste
    - Fluoride/Varnish
    - Floss, threaders if needed
3. After completion of scaling and/or polishing, flossing, get instructor for check-out.
    - Make sure tray is clean of dirty gauze and used floss
    - Make note of missed areas in RED PEN on sticky note for your instructor or on EO/IO form.
4. After Check-out apply Fluoride or Varnish tx.
5. Oral hygiene instruction is ALWAYS implemented prior to patient leaving, either done on first appointment or last appointment.
6. If radiographs were taken, the student is required to have the clinic dentist read the radiographs before patient treatment is completed. The dentist will sign the appropriate area on the referral form showing radiographs were read. The student will record any findings from radiographs on the **patient referral form**.
7. If no radiographs were taken, the POD instructor will sign the referral form, then it is to be given to the patient.
8. The patient is given the **Patient Referral Form** on the **last** visit of treatment along with a Patient Survey.
9. The patient should be dismissed 30 minutes prior to the end of clinic:
    - M&W-12:30
    - T & R- 11:30, 4:00

10. Before Dismissing Patient:
    - Complete Walk-Out- enter codes for only treatment done that day. "Post to Walkout" all services completed and click "Save".
    - The patients name on the schedule should turn gray after you have posted treatment and saved.
    - If you did not complete any services, post a "No Charge Office Visit". Click the "PEXAM" button, then click # 6: NCOV – No Charge Office Visit".
    - You do NOT post a NCOV if your patient had x-rays; you will post the x-rays taken.
    - When posting SRPs to the walkout, click the "SRP" Button, then click # 6: D4341 – Periodontal Scaling and Root Planing", then click the square box for the quadrant you completed. It will automatically highlight the teeth numbers, then click OK. You must do each quadrant individually.
    - Reschedule Patient for Next appointment and give them an appointment card.
11. Walk pt. Out to Front desk after every appointment.
12. Enter Chart notes into EagleSoft, along with dental charting and periodontal charting.
13. Make sure to have ALL SIGNATURES FROM POD INSTRUCTOR
14. Make sure forms that have been contaminated are in a plastic sleeve prior to putting into your/instructor file.
15. Exit out of EagleSoft Daily
16. At the conclusion of each day:
    - Return your chair to the designated area on the side of your operatory.
    - Return the blue, black, and red pen to your cup holder.
    - Close the CaviWipes lid.
    - Turn off your fan and your undermount light.
    - Tidy up your entire operatory.
    - If you are in Rad Lab, push all chairs under and leave pens on the x-ray view boxes.

Finished papers-instructors file.
Unfinished papers-students file.

Cavi-Wipe Op using Utility Gloves/Clean Floors

MEDICAL AND DENTAL HISTORY

Time 9:33 AM | Horry-Georgetown Technical College | Date 9/26/2018

HGTC DHG Medical History Master NEW 05/23/18 v2.0

Patient Name: (3794) Darlene Bogenpohl Birth Date: 9/18/1965 Date Created: 9/26/2018

Although dental personnel primarily treat the area in and around your mouth, your mouth is a part of your entire body. Health problems that you may have, or medication that you may be taking, could have an important interrelationship with the dentistry you will receive. Thank you for answering the following questions.

Are you under a physician's care now?	◯ Yes ◯ No	If yes
Have you ever been hospitalized in the last year?	◯ Yes ◯ No	If yes
Have you ever had a serious head or neck injury?	◯ Yes ◯ No	If yes
Are you taking any medications, pills, or drugs?	◯ Yes ◯ No	If yes
Do you take, or have you taken, Phen-Fen or Redux?	◯ Yes ◯ No	If yes
Have you ever taken Fosamax, Boniva, Actonel or any other medications containing bisphosphonates?	◯ Yes ◯ No	If yes
Are you on a special diet?	◯ Yes ◯ No	
Do you use tobacco?	◯ Yes ◯ No	If yes

Women: Are you...

☐ Pregnant/Trying to get pregnant? ☐ Nursing? ☐ Taking oral contraceptives?

Are you allergic to any of the following? (check all that apply)

☐ Aspirin	☐ Acrylic	☐ Codeine	☐ Latex
☐ Penicillin	☐ Sulfa Drugs	☐ Other (indicate below)	☐ Metal

Other Allergies:	◯ Yes ◯ No	If yes
Do You use controlled substances?	◯ Yes ◯ No	If yes

Do you have, or have you had, any of the following? (those items designated with an asterisk*, please clarify in Specifics Comments Section Below:)

AIDS/HIV Positive * ◯ Yes ◯ No	Alzheimers Disease ◯ Yes ◯ No	Anemia ◯ Yes ◯ No	Angina ◯ Yes ◯ No
Arthritis/Gout ◯ Yes ◯ No	Artificial Heart Valve/Replacement* ◯ Yes ◯ No	Artificial Joint (knee, hip, etc) * ◯ Yes ◯ No	Asthma ◯ Yes ◯ No
Blood Disease ◯ Yes ◯ No	Bruise Easily ◯ Yes ◯ No	Cancer ◯ Yes ◯ No	Chemotheraphy ◯ Yes ◯ No
Chest Pains ◯ Yes ◯ No	Congenital Heart Disorder ◯ Yes ◯ No	Diabetes ◯ Yes ◯ No	Emphysema ◯ Yes ◯ No
Epilepsy or Seizures * ◯ Yes ◯ No	Excessive Bleeding ◯ Yes ◯ No	Excessive Thirst ◯ Yes ◯ No	Fainting Spells/Dizziness ◯ Yes ◯ No
Frequent Coughs ◯ Yes ◯ No	Frequent Headaches ◯ Yes ◯ No	Hay Fever ◯ Yes ◯ No	Heart Attack/Failure ◯ Yes ◯ No
Heart Pacemaker ◯ Yes ◯ No	Heart Murmur ◯ Yes ◯ No	Mitral Valve Prolapse ◯ Yes ◯ No	Heart Trouble/Disease ◯ Yes ◯ No
Hepatitis A, B or C * ◯ Yes ◯ No	High Blood Pressure ◯ Yes ◯ No	Kidney Problems/Dialysis * ◯ Yes ◯ No	Liver Disease ◯ Yes ◯ No
Low Blood Pressure ◯ Yes ◯ No	Lung Disease ◯ Yes ◯ No	Osteoporosis ◯ Yes ◯ No	Recent Weight Loss ◯ Yes ◯ No
Rheumatic Fever ◯ Yes ◯ No	Shingles ◯ Yes ◯ No	Sickle Cell Disease ◯ Yes ◯ No	Sinus Trouble ◯ Yes ◯ No
Acid Reflux ◯ Yes ◯ No	History of a Stroke ◯ Yes ◯ No	Thyroid Disease ◯ Yes ◯ No	Tuberculosis ◯ Yes ◯ No
Ulcers ◯ Yes ◯ No	Radiation Treatments ◯ Yes ◯ No		

Did you answer yes to any illnesses above indicated with an asterisk? If yes, please document specifics here.	◯ Yes ◯ No	If yes
Have you had any illnesses not indicated above.	◯ Yes ◯ No	If yes

Dental History

Have you ever been treated for gum disease?	◯ Yes ◯ No	
How many times a day do you brush?		
Do you Floss?	◯ Yes ◯ No	
Do your gums bleed?	◯ Yes ◯ No	
Do you get Cold Sores?	◯ Yes ◯ No	
Do hot, cold or sweet foods or drinks cause discomfort or pain?	◯ Yes ◯ No	
Does anything about dental treatment make you nervous? If so, please indicate.	◯ Yes ◯ No	If yes

Pre-Medication

If you have been advised that you require antibiotics prior to dental cleaning treatment, please indicate why?	◯ Yes ◯ No	If yes

Additional Information

Is there any additional medical or dental information you wish to provide?	◯ Yes ◯ No	If yes

To the best of my knowledge, the questions on this form have been accurately answered. I understand that providing incorrect information can be dangerous to my (or patient's) health. It is my responsibility to inform the dental office of any changes in medical status.

Signature of Patient, Parent or Guardian:

X Date:_____

To Our Valued Patients,

Thank you for choosing our student clinic for your dental hygiene needs. This letter serves as our written statement of patient rights, which also includes patient responsibilities.

Here in the Dental Sciences Department of Horry Georgetown Technical College we set high, attainable standards for our faculty, staff and students. As a patient of ours, we also ask you comply with similar standards to ensure the integrity of your care as well as our Dental Hygiene and Dental Assisting Programs. In turn, be assured, you will be provided courteous, respectful and confidential treatment to meet the standard of care in dental hygiene.

To reiterate, each appointment with our student clinician is 3-4 hours in length and 90% of all patients require multiple appointments. Your proposed treatment, also called a care plan, will be discussed with you by your student clinician and a faculty member. Often, we cannot accurately predict how many appointments your treatment will require until your treatment has already started. This care plan will also provide you with the extent of treatment, advanced notice of cost ($60 maximum as of June 2021), and treatment alternatives, along with risks of not pursuing recommended treatment.

The standards for our patients are as follows.

- Be on time for your appointments and be prepared to stay for the complete duration of the appointment.
- Be aware of your appointments ahead of time, so you are able to confirm that you will be here when we call with your appointment reminder.
- Be compassionate with your clinician, as we encourage them to be compassionate with you.
- Be patient with your student. Please remember you are a practical example for them to learn. Please refrain from negative body language that may demonstrate impatience or your need for them to rush.
- Your student is receiving a grade for your treatment. As you would likely imagine, rushing a clinician may result in a less than satisfactory grade.
- Please provide three business days to cancel or reschedule your appointment.

Thank you so much for your support of our students. If you feel you are not suited for our clinic because you cannot commit to these standards, please see Dana Gasque at the front desk before your treatment begins.

Sincerely,

Michelle Meeker, MS, RDH, CDA
Program Director/Chair Dental Sciences
843) 839-1091 / michelle.meeker@hgtc.edu

Patient Signature _____

MEDICATION IDENTIFICATION FORM

PATIENT NAME: _____ DATE: _____

(*Update Medications EACH visit)

MEDICATIONS	INDICATIONS	ADVERSE ORAL EFFECTS

The student is to list each medication along with the dose in the MEDICATION column.

In the INDICATIONS column, the student will list what conditions the medication is being taken for.

In the ADVERSE REACTIONS/RISK FACTORS column, the student will indicate any **ADVERSE ORAL EFFECTS ONLY.**

MEDICAL CONSULTATION FORM - HYPERTENSION

HORRY-GEORGETOWN TECHNICAL COLLEGE DENTAL HYGIENE CLINIC
Phone: 843-839-1070 Fax: 843-349-7576

Patient: _____ Date of Birth _____ Date: _____
Dr. Name: _____ Dr. Phone #:_____ Dr. Fax#:_____

I hereby authorize my health care provider to release and discuss any requested information pertaining to my medical care and treatment to Horry-Georgetown Technical College Dental Hygiene Clinic.

_____
PATIENT SIGNATURE *(required for release of medical information)*

As a dental care provider, we have a professional obligation to notify this patient's primary care provider that we recorded the following blood pressure reading(s) for this patient:

The above-named patient is seeking dental care in our clinic and will be treated by a dental hygiene student under the supervision of licensed dental professionals. The patient indicates a history of:

_____

Treatment and Considerations:

____ oral prophylaxis with possible deep scaling
_____ gingival bleeding with transient bacteremia
_____ local anesthetics (topical and injectable)
_____ multiple appointments may be required
_____ dental fillings
_____ dental extraction

We are requesting a Medical Consultation for this patient. As this patient's physician, PLEASE INDICATE APPROPRIATE RESPONSE BELOW AND FAX TO 843-349-7576.

1. This patient's current medications include (attach additional sheet as necessary):_____

_____

2. _____This patient is now being treated for hypertension and MAY PROCEED with a dental cleaning at your clinic, provided that blood pressure readings are within normal ranges.
Please notify me (the primary physician) if this patient's blood pressure is recorded above _____/_____.

3._____This patient is NOT being treated for hypertension.

_____Reading at my office was recorded at _____/_____. A treatment or prescription plan was NOT recommended at this time. Please proceed with dental cleaning provided this patient's blood pressure is within normal ranges at your dental clinic.

_____This Patient refused treatment for Hypertension. No dental cleanings should be performed until the patient brings their blood pressure under control and maintains normal readings.

Please indicate any other recommendations or comments on additional sheet of paper:

Date_____ Physician's Signature_____

MEDICAL CONSULTATION FORM

HORRY-GEORGETOWN TECHNICAL COLLEGE DENTAL CLINIC
Phone: 843-839-1070 Fax: 843-349-7576

Patient: _____Date of Birth: _____ Date: _____

Dr. _____Dr. Phone #:_____ Dr. Fax: _____

I hereby authorize my health care provider to release and discuss any requested information pertaining to my medical care and treatment to Horry-Georgetown Technical College Dental Clinic.

_____

PATIENT SIGNATURE *(required for release of medical information)*

The above-named patient is seeking dental care in our clinic and will be treated by a Dental Hygiene Student and/or MUSC Dental Student under the supervision of licensed dental professionals.

_____ mitral valve prolapse
_____ rheumatic heart disease
_____ anticoagulant therapy
_____ prosthetic joint (___/___)
_____ prosthetic heart valve
_____ endocarditis
_____ hypertension
_____ renal dialysis with shunts
_____ leukemia
_____ pulmonary disease
_____ artery shunt add'l. medical consult may be needed.
_____ liver disease
_____ diabetes
_____ heart murmur
_____ chemo/radiation therapy
_____ renal disease/dialysis

OTHER: circle or document as needed

_____

_____

(include: recent surgery, cardiovascular accident, prescription diet drug, lupus, radiation therapy to head/neck, adrenal insufficiency, steroid therapy, HIV, anemia, etc.)

Treatment and Considerations:

x oral prophylaxis w/ possible deep scaling x gingival bleeding w/ transient bacteremia x local anesthetics (topical & injectable)
x multiple appointments may be required
x fillings
x extractions

We are requesting a Medical Consultation for this patient.

As this patient's physician,

PLEASE INDICATE APPROPRIATE RESPONSES BELOW AND FAX TO 843-349-7576.

Patient:_____

1. Current medications include (attach additional sheet as necessary):_____

2. _____ May proceed with dental treatment

   _____ May NOT receive dental treatment at this time because: _____

3. _____DOES NOT require Prophylactic Antibiotic coverage for the prescribed dental procedures and may proceed with: _____ dental cleaning _____fillings ____extractions

   _____REQUIRES Prophylactic Antibiotic coverage for the prescribed dental procedures checked below:

   ____ dental cleaning _____fillings ____ extractions

NOTE: HGTC Dental Clinic generally does not prescribe or administer oral medications. Please provide your patient with a prescription for recommended antibiotic coverage. Please prescribe multiple doses to allow for multiple appointments.

PLEASE INDICATE REGIMEN IF OTHER THAN 2015 STANDARD AMERICAN HEART ASSOCIATION RECOMMENDATION

4. _____ Does NOT require adjustment of Anticoagulant Therapy prior to dental treatment.

   _____ REQUIRES adjustment of Anticoagulant Therapy prior to the prescribed procedures checked:

   ____ dental cleaning ____fillings ____ extractions

Patient is to stop _____, _____ days prior and resume Rx _____.

Rx Name_____

Please indicate any other recommendations or comments on additional sheet of paper:

_____ _____

Physician's Signature **Date**

MEDICAL CONSULTATION FORMS

HORRY-GEORGETOWN TECHNICAL COLLEGE DENTAL CLINIC

The patient **MUST FIRST** sign authorization for their health care provider to release any of their information to the Horry-Georgetown Technical College Dental Clinic.

The student will check off what condition in the patient's medical history we are inquiring about.

The student will check off what Treatment and Considerations will be performed on the patient during visit(s).

THE PATIENT'S PHYSICIAN WILL FILL OUT THE INFORMATION IN THE BOX AND FAX FORM BACK TO CLINIC.

Physician must fill out this form completely prior to continued care by student. The only exception is verbal confirmation via phone with physician/physician's nurse regarding the medical condition in question, should the patient be in the dental chair.

The physician's office is still required to subsequently fax the signed medical consultation form to the dental clinic, so it may be scanned into the patient's smart doc folder.

HGTC DENTAL SCIENCES INFORMED CONSENT

I (or my child) am aware I will receive services at the HGTC Dental Hygiene Clinic primarily in the interest of education and training dental hygiene students. I am aware this is an educational environment and my medical history, dental history, photos, and radiographs will be part of the students' education.

A dental hygiene treatment plan of services will be developed and discussed with me based upon my dental needs.

I understand that this is an educational institution, and appointments may take 3-4 hours and may take more than one appointment to complete my treatment.

I understand services will be provided by a dental hygiene student working under the supervision of a licensed dentist and dental hygienist I will have the option to refuse any portion of the treatment and will be informed as to the risks of refusal.

The evaluation performed in the Dental Hygiene Clinic is for educational purposes and does not constitute a complete examination; I understand that this must be done by my personal dentist.

I understand that sound existing restorations (fillings, crowns, or bridges) will not be removed from the teeth during a cleaning, dental impression or other treatment rendered at this facility. However, should this happen, I realize that the restoration (filling, crown or bridge) was faulty and was lost because of existing conditions prior to today's dental work.

I further waive any claims for liability against HGTC, or its agents, in connection with this dental care.

In the event that my personal dentist requests records and/or dental radiographs for further treatment, I give permission for my records to be sent from this clinic.

_____ _____

Patient Signature Date

Acknowledgement of HIPAA Notice of Privacy Act

I have been provided access to the HGTC Dental Clinic's HIPAA Notice of Privacy Practices and offered a copy at my request.

_____ _____

Patient or Guardians Signature Date

Please Note: It is your right to refuse to sign this acknowledgment.

ORAL INSPECTION

Student_____

Patient_____ **Date**_____

BP_____ **Pulse**_____ **Resp**_____ Mark significant findings and location. Check the WNL box if no significant findings.

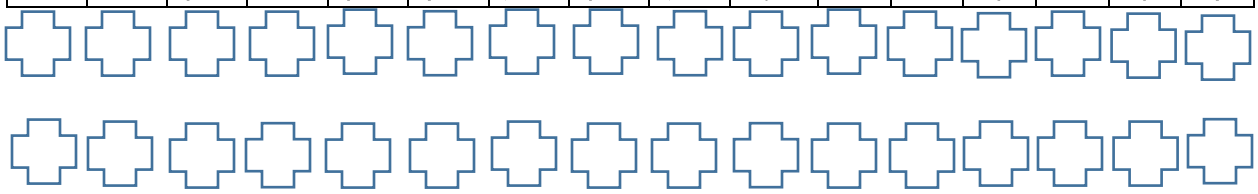
Extraoral	WNL	Significant Findings-specify location
Face & Neck		☐ Asymmetry ☐ Scars ☐ Swelling ☐ Enlargement ☐ Lesions ☐ Nodules
Lymph Nodes		☐ Tenderness ☐ Swelling ☐ Nodules
TMJ		☐ Deviation upon Opening/Closing Crepitus ☐ Popping ☐ Jaw Discomfort
Intraoral		
Oral Mucosa/Lips		☐ Lesions ☐ Nodules ☐ Petechiae ☐ Amalgam Tattoo ☐ Swelling
Hard and Soft Palate, Pharyngeal Area		☐ Torus ☐ Nicotine Stomatitis ☐ Lesions ☐ Hyperkeratosis ☐ Cleft Palate
Tongue		☐ Fissured ☐ Coated ☐ Palpable Nodule ☐ Piercing
Floor of the Mouth		☐ Ankyloglossia ☐ Lesions ☐ Mandibular Tori ☐ Significant Varicosities
Alveolar Ridges		☐ Amalgam Tattoo ☐ Nodules ☐ Lesions ☐ Exostosis
Gingiva		**Color:** ☐ Erythematous ☐ Cyanotic ☐ Pigmented **Consistency:** ☐ Fibrotic ☐ Edematous ☐ Retractable **Contour:** ☐ Blunted ☐ Bulbous ☐ Rolled Is gingival appearance: ☐ Generalized or ☐ Localized
Dentition		
Teeth		☐ Abrasion ☐ Abfraction ☐ Attrition ☐ Demineralization ☐ Dental Anomalies ☐ Intrinsic Stain ☐ Erosion ☐ Fluorosis
Occlusion		☐ Class I ☐ Class II ☐ Class III ☐ Crossbite ☐ Class II, Div. I ☐ Class II, Div. II ☐ Midline Shift ☐ Moderate or severe overbite ☐ Open Bite ☐ Overjet > 3mm
Unique Identifier		☐ Cusp of Carabelli ☐ Diastema ☐ Scars ☐ Root Dilacerations ☐ Enamel Pearls
Additional Findings		
Appliances & Prostheses		☐ Full Denture ☐ Partial Denture ☐ Orthodontics ☐ Fixed Retainer
Oral Habits		☐ Tobacco Use ☐ Nail Biting ☐ Cheek Biting ☐ Clenching ☐ Grinding

Debris Indices

Tooth	#3 Buc	#8 Buc	#14 Buc	#19 Li	#24 Li	#30 Li	Index	
Plaque							**L M H**	**Light= < 7 Moderate= 7-11 Heavy= 12 or >**
Calculus							**L M H**	
Stain							**L M H**	

Calculus Detection: Mark areas of explorer detectable calculus.
At check-in, mark red X for missed or incorrect areas.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16



32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

ORAL INSPECTION

Extra-oral, Intra-oral, Dentition, Additional Findings:

The student will place a check for each section of the extra-oral, intra-oral, dentition, and additional findings. If there are no significant findings, the student will check off in the WNL, (within normal limits), column. Any significant findings will be noted with a check in the corresponding box and/or added in by being written in the same box.

Debris Indices:

The student will place either a 0, 1, 2, or 3 in each box that corresponds the tooth number and surface with the type of debris (Plaque, Calculus, Stain)

Calculus Detection:

The student will place a mark on the chart that corresponds with any board quality calculus detected with the explorer on the tooth.

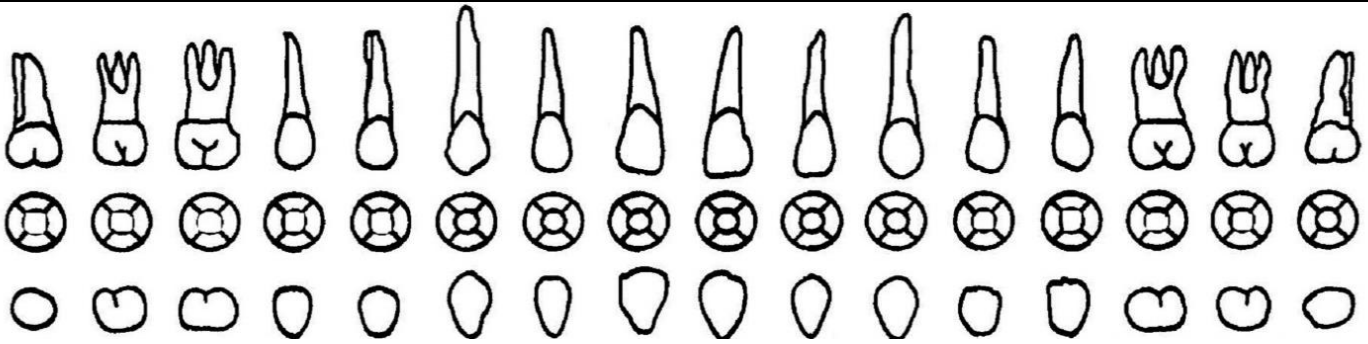
ANY AREAS FOUND DURING THE EXTRA-ORAL AND INTRA-ORAL INSPECTION BY THE FACULTY MEMBER SHOULD BE MARKED IN RED BY THE STUDENT DENOTING THE ERROR.

Student _____ **Patient** _____ **Date**_____

Mobility (note in red ink) Class I, II, II

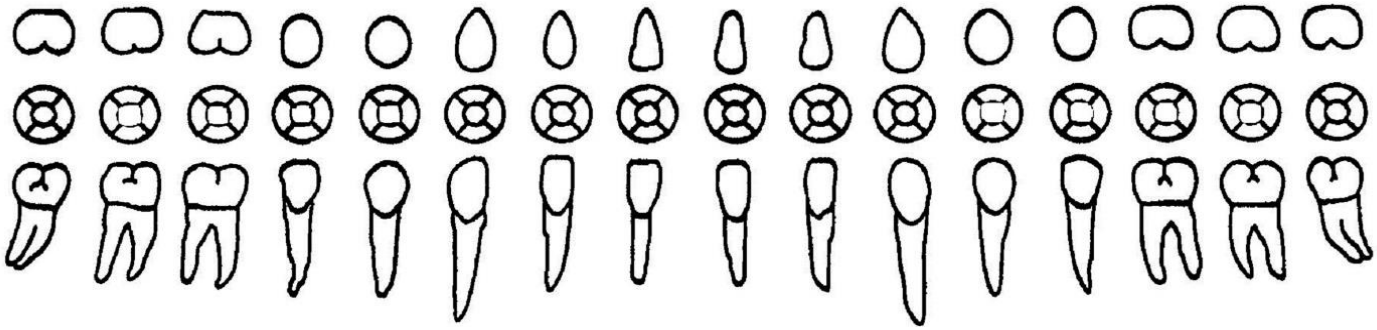
Furcation (note in red ink)

Buccal															
Tooth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
REC																
PD																



Lingual																
Tooth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PD																
REC																

Lingual																
Tooth	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
REC																
PD																



Buccal																
Tooth	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
PD																
REC																

HGTC DENTAL SCIENCES CHARTING FOR DENTAL HYGIENE AND DENTAL ASSISTING

Hard Tissue Charting:

Student will chart any existing hard tissue conditions. EX. Missing teeth, partially erupted, unerupted teeth, restorations, root canals, implants, sealants etc.

Periodontal Charting:

Periodontal charting is done as an early detection system as part of the periodontal examination. Probing depths of the clinical pocket, along with any bleeding on probing are documented in the PD row(s) of the charting worksheet.

Any recession of the gingival tissues is also noted in the boxes marked REC.

Student will document any mobility (Class I, Class II, Class III), and any Furcation involvement on the corresponding teeth.

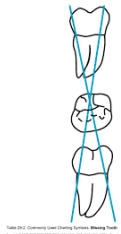
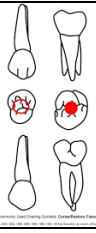
Existing conditions or restorations:

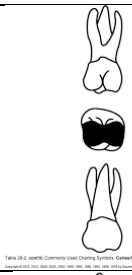
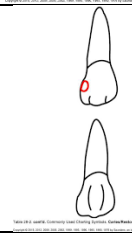
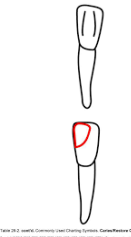
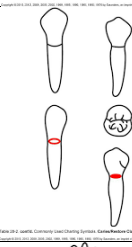
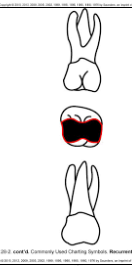
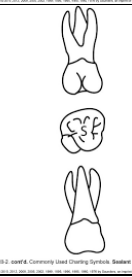
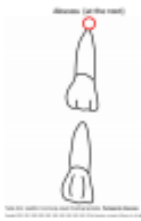
Charted in BLUE

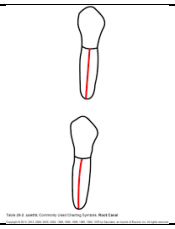
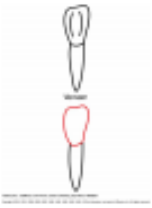
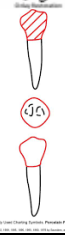
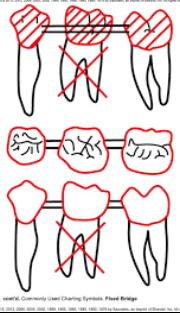
Conditions or restorations that need treatment or evaluation:

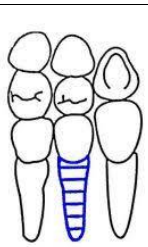
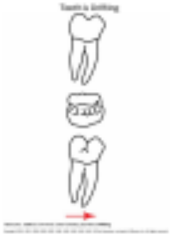
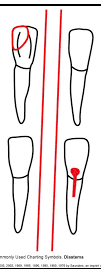
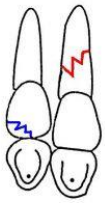
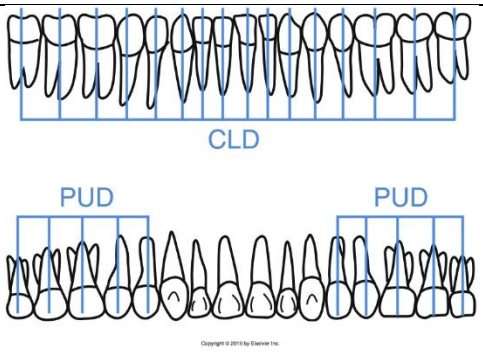
Charted in RED

Charting Symbols:

Missing Tooth: Tooth or teeth that are not present or are congenitally missing. Draw an X over the entire tooth including the root in BLUE.	
Impacted or unerupted tooth: Tooth or teeth that are not erupted and are not exposed in the mouth. Draw a RED circle around the whole tooth including the root.	
Tooth to be extracted: Tooth has been diagnosed for removal. Draw a RED diagonal line through the tooth.	
Class I Restoration: Outline the area involved if using composite, and if using amalgam color the area in. RED for treatment needed, BLUE for treatment completed.	

Class II Restoration: Outline the area involved if using composite, and if using amalgam color the area in. RED for treatment needed, BLUE for treatment completed.	
Class III Restoration: Outline the area involved if using composite, and if using amalgam color the area in. RED for treatment needed, BLUE for treatment completed.	
Class IV Restoration: Outline the area involved if using composite, and if using amalgam color the area in. RED for treatment needed, BLUE for treatment completed.	
Class V Restoration: Outline the area involved if using composite, and if using amalgam color the area in. RED for treatment needed, BLUE for treatment completed.	
Recurrent Decay: Outline the existing restoration in RED to indicate the new treatment needed. If the new treatment extends beyond the current restoration, fill in the space with RED.	
Sealant: Place an "S" on the occlusal surface in RED to complete and BLUE when it is existing.	
Periapical Abcess: Draw a red circle at the apex of the root to indicate infection.	

Root Canal: Draw a line through the center of each root involved. RED when it is needed, BLUE when it is existing.	
Veneer: Outline the facial portion only in BLUE for existing and RED if needed.	
Inlay: Outline the shape of the restoration if material is Porcelain, Place diagonal lines if made from gold. Chart in RED for needs and BLUE for existing.	
Onlay: Outline the shape of the restoration if material is Porcelain, place diagonal lines if made from gold. Chart in RED for needs and BLUE for existing.	
Crown: Outline the coronal portion of the tooth. If Porcelain fused to metal (PFM) add diagonal lines to the lingual surface. If full GOLD add diagonal lines to the entire coronal portion after being outlined. BLUE for existing, RED for needs.	
Stainless Steel Crown: Outline the coronal portion of the tooth and place "SS" on the occlusal surface. RED when needed, BLUE when existing.	
Post and Core: Draw a line through the root requiring the post; then continue the line into the gingival 1/3 of the coronal portion of the tooth making a triangle shape. BLUE for existing, RED for to be completed.	
Fixed Bridge: Draw an "X" through the roots of the missing tooth (teeth). Draw 2 parallel lines through the Facial/Buccal, Lingual and Occlusal portions of the diagram through all the teeth involved. For the crown portion: chart appropriately based on the material the crown is made from. RED to be completed, and BLUE for existing.	

Implant: Draw horizontal lines through all roots of the tooth. The crown if present clinically should be charted as a porcelain crown or PFM appropriately. If the coronal portion is not present clinically draw an "X" through the coronal portion. RED for needs completion, BLUE for existing.	
Rotated tooth: Indicate the direction the tooth has turned by placing a RED arrow above the tooth.	
Drifting: Place a RED arrow that points to the direction the tooth is drifting.	
Diastema: Draw two RED vertical lines between the teeth.	
Fractured Tooth or Root: if a tooth or root is fractured draw a RED zigzag line where the fracture occurred.	
Denture: Draw a complete line below the roots of the teeth connecting the teeth. RED if it is needed, BLUE if it is existing	
Retained Deciduous Tooth: Circle entirely in BLUE Note: when dealing with mixed dentition do not chart the remaining teeth as deciduous	**Significant Attrition/ Abraision/ Abfraction:** Mark this wear in BLUE, by drawing an outline representing the anatomic configuration of the defect. If the condition is generalized, the

	condition should be documneted in the dental chart notes.
Retained Root Tips: Record by crossing out the crown of the tooth in RED with an X drawing a RED outline of the roots remaining	**Partially Erupted Teeth:** write "PE" above the tooth in BLUE
Supernumerary Teeth: Indicate by writing "SU" in BLUE above the area where the tooth is located	

HARD TISSUE CHARTING SYMBOLS

Missing Teeth (extracted or congenitally missing)- are recorded by crossing out the tooth with a **Blue X**.

Congenitally Missing Teeth that were never present, were not extracted, labeled "**CM"** in **Blue** and marked with an **X.**

Unerupted Teeth write "**UE**" in **Blue.** An unerupted tooth will be marked only if it is past the approximate eruption date.

Partially Erupted Teeth write "**PE**" above the tooth with **Blue.**

Restorations all types will be recorded as **anatomically as possible in Blue.**

Crowns all types will be shaded in solid blue along with a notation of what type (G, SSC, P, PFM)

Fixed Bridges shade in all restored surfaces (abutment teeth) in solid Blue and mark the missing teeth with an X. Place a bracket both above and below the bridged teeth.

Defective Restorations-These are restorations that are fractured, leaky, missing, lose or temporary. **Record the restoration in Blue** and then **outline the entire restoration in Red.**

Sealants-are recorded by writing a **Blue "S"** on the occlusal surface of the tooth that is sealed. If the sealant needs to be done, mark the tooth with a **Red "S."**

Significant Attrition/Abrasion/Abfraction-**Mark this wear in Blue** by drawing an outline representing the anatomic configuration of the defect. If the condition is generalized, the condition should be documented in the dental chart under the tooth chart.

Supernumerary Teeth-are indicated by writing **"SU" in Blue** above the area where the tooth is located.

Root Canal Fillings-are recoded by putting a **Blue line** through the root(s) of the teeth.

Caries-are identified in "**Red**" and accurately drawn in the specific location.

Fractured Teeth-are recorded by drawing a zigzag line in Red in the exact location of the fracture.

Retained Root Tips-are recorded by crossing out the crown of the tooth in Red with an X, and drawing Red outline of the root(s) remaining.

Retained Deciduous Teeth-are **circled entirely in Blue**. When a child still has mixed dentition do not chart the remaining teeth as retained deciduous teeth.

Implants-are charted by filling in the **entire crown and root with Blue** and writing "**IMP**" at the top of the tooth.

Abscess-put a **Red circle** at the root(s) of the tooth and fill in the red circle.

Types of Restorations

Amalgam "A"
Composite "R"
Porcelain Fused to Metal Crown "PFM"
Gold filling or Crown "G"
Stainless Steel Crown "SSC"

CAMBRA

Caries Management by Risk Assessment Form

Student_____ **Patient**_____ **Date** _____

Indicate 0, 1 or 10 in the last column for each risk factor. Total the factor values and record a score at the bottom of the form.
Low Risk=A score of 0 indicates a patient has a low risk for developing caries.
Medium Risk=Scores between 1 and 9 indicate a patient has a moderate risk for developing caries.
High Risk=A single high-risk factor, or a score of 10 or above, indicates a patient has a high risk for developing caries.

	Low Risk (0)	Moderate Risk (1)	High Risk (2)	Patient Risk
Contributing Conditions	**Circle conditions that apply**			
1. Fluoride Exposure (through drinking water, supplements, professional application, toothpaste	Yes	Minimal	No	
2. Sugary/Starchy Foods (juice, carbonate drinks, energy drinks)	Primarily at meals	Occasionally to frequently during day	Frequent or prolonged exposure during the day	
3. Caries Experience of Mother, Caregiver and/or Siblings (if pt is <6 yrs old)	None in the last 24 months	Caries in the last 7-23 months	Caries in the last 6 months	
4. Dental Home: established patient of record, receiving regular dental care in a dental office	Yes	No		
General Health Conditions				
1. Special Care Needs (developmental, physical, medical, mental disabilities that limit oral health care by pt or caregiver)	No	Yes (> age 14)	Yes (< age14)	
2. Chemo/Radiation Therapy	No		Yes	
3. Eating Disorders	No	Yes		
4. Tobacco Use	No		Yes	
5. Medications that Reduce Salivary Flow	No	Yes (1 medication)	Yes (2+ medications)	
6. Drug/Alcohol Use	No	Yes		
Clinical Conditions				
1. Cavitated or Non-Cavitated (incipient) Carious Lesions or Restorations Present	No new carious lesions or restorations in last 3 years	1 or 2 new carious lesions or restorations in last 3 years	3 or more carious lesions or restorations in last 3 years	
2. Teeth Missing Due to Caries in past 3 years	No		Yes	
3. Visible Plaque	No	Yes		
4. Unusual Tooth Morphology (that compromises oral hygiene)	No	Yes		
5. Interproximal Restorations (1 or more)	No	Yes		
6. Exposed Root Surfaces	No	Yes		
7. Restorations with Overhangs and/or Open Margins/Open Contacts	No	Yes		
8. Dental/Orthodontic Appliances (fixed or removable)	No	Yes		
9. Severe Dry Mouth (xerostomia) Does patient complain of dry mouth?	No		Yes	
SCORE TOTAL:				
OVERALL RISK (circle one):				**Low Med High**

CAMBRA

CARIES MANAGEMENT BY RISK ASSESSMENT FORM

The information for this form is obtained by reviewing each **Risk Factor** with the patient as written on the form.

The student will then circle the **risk value** in each column associated with each **Condition (LOW, MODERATE, HIGH),** then the number associated with the risk value will be carried to the **Patient Risk** Column.

A tally will be done in the Patient Risk Column and totaled at the bottom under SCORE TOTAL.

The overall risk will be circled based on the number of the **risk value total.**

If the patient responds to ANY risk factor with a *HIGH-RISK VALUE,* the patient automatically is considered to have a *HIGH-RISK VALUE*.

DENTAL HYGIENE CARE PLAN

Student _____ **Patient**_____ **Date** _____

Assessment
The following assessments were completed:

____**Dental Hygiene Evaluation** (Medical History/Vitals, Oral Inspection, Dental Charting, Periodontal Charting, Radiographs)

____**Debris Indices** (Circle risk)
Plaque L M H
CalculusL M H
Stain L M H

____ **Risk Assessment (based on CAMBRA Form)**
(Circle risk)
____ Contributing Conditions L M H
____ General Health Conditions L M H
____ Clinical Conditions L M H

Chief Complaint: _____

DH Diagnosis and Planning of Treatment Needs

ASA: I II III IV **AAP Stage: I II III IV** **Instructor Initials:** _____

AAP Grade: A B C

Condition(s) to be addressed:
_____

Treatment Plan
The following recommendations are based on visual examination, probing and charting, radiographs, diagnostic tests and photos, and on my provider's knowledge of my medical and dental history (check all that apply)
___Prophylaxis D1110 or D1120 ___Full Mouth Debridement D4355 ___ Radiographs: 4bw 0274, FMX 0210, PAN 0330
___Ultrasonic Scaling ___Care of Removable Prosthesis ___ Pit & Fissure Sealants D1351: _____
___Root Planing D4341(note quads) ____ ___ Tobacco Cessation Counseling ___Whitening Tray
___Fluoride D1206 ___Adj. Antimicrobial (Arestin) (Teeth #) ___ ___Oral Health Instruction D1330
___Nutritional Counseling D1310 ___Periodontal Maintenance D4910 ___Impressions and Study Models
___Pain Management-Local, Topical, HT Desensitizing D9910 ___Other_____

The benefit of the proposed treatment is to improve the oral health of the teeth and gums as to retain the natural teeth as long as possible.

Consequences of not agreeing to the proposed treatment may include: complications to the teeth, mouth, and/or general health, such as pain, bleeding, swelling, bad breath, tooth mobility, tooth loss, infection, and further complication of other health conditions such as diabetes, heart disease and stroke.

Implementation
Oral Health Education: _____

**Insurance Limitations: It has been explained to me that the HGTC Dental Hygiene Clinic does not accept dental insurance and I am responsible for paying for care rendered at this clinic. _____ (Patient Initials). Approximate cost: _____

Appointment 1: _____
Appointment 2: _____
Appointment 3: _____
Appointment 4: _____

Evaluation

Continuing Care Schedule: ___3 Months ____ 6 Months ____ Other: _____

Referral provided to: ____ general dentist ____ specialist (specify type): _____ for treatment of_____ (concerns).

Documentation

As stated above, the recommendations for my treatment are intended to improve oral health and help retain my natural teeth as long as possible.

Alternative Treatment

The treatment plan recommended above was created based on my individual oral health needs and falls within the scope of practice of HGTC Dental Hygiene Clinic. I understand that no other treatment options exist for me at this clinic and that there may be other options available at my dentist's office and/or the office of a specialist. I have had the opportunity to ask questions about the alternatives.

Risks of Recommended Treatment

I understand that no dental treatment is completely risk free and that this clinic takes reasonable steps to limit any complications that could arise. I understand that some after-treatment effects may occur with regularity and may include tooth sensitivity, pain, infection, or swelling. I have been informed of the complications and have had the opportunity to ask questions about risks.

Risks of NOT Having Recommended Treatment

I understand that complications to my teeth, mouth, and/or general health such as pain, bleeding, swelling, bad breath, tooth mobility, tooth loss, infection, and further complication of other health conditions such as diabetes, heart disease and stroke, may occur if I do NOT proceed with the recommended treatment. I have been informed of the complications and have had the opportunity to ask questions.

ACKNOWLEDGEMENT

I have been informed of my oral health status and have signed the Informed Consent Policy. I have had the opportunity to discuss the proposed treatment with the HGTC dental hygiene student, clinical faculty member and the dentist on staff.

I acknowledge that my care in the HGTC Dental Hygiene Clinic does not include or substitute for a complete dental examination and I have been advised to seek the care of my dentist and/or specialist on a regular basis.

☐ **I wish to proceed with the recommended treatment:**

Patient Signature: _____ **Date:** _____

Student Signature: _____ **Date:** _____

Faculty Signature: _____ **Date:** _____

☐ **I do NOT wish to proceed with the recommended treatment:**

Patient Signature: _____ **Date:** _____

Student Signature: _____ **Date:** _____

Faculty Signature: _____ **Date:** _____

DENTAL HYGIENE CARE PLAN

Assessment:

The Dental Hygiene Evaluation includes the Medical History/Vitals, Oral Inspection, Dental Charting, Periodontal Charting, Radiographs

The Debris Indices is based on information on the front page of Oral Inspection form. Circle appropriate Risk that correlates with the information on the Oral Inspection form.

The Risk Assessment is based on information retrieved from the CAMBRA form. Circle the appropriate risk that correlates with the information on the CAMBRA form.

Chief Complaint is what the patient's main reason for being seen, what issues they are having.

DH Diagnosis and Planning of Treatment Needs:

ASA and **AAP** are decided after a discussion between the faculty and the student.

The **ASA** is based on the patient's medical history and chosen from the **ASA Classification Scale**.

The **AAP Stage/Grade** is based on a patient's gingival/periodontal health and is taken directly from the AAP Classification of Periodontal and Peri-Implant Diseases.

Condition(s) to be addressed refers to what, if any dental disease is present in the patient's oral cavity.

Treatment Plan is where the student checks all procedures done or to be done during the current visit(s).

Implementation:

Oral Health Education should include all the different techniques and dental aids necessary for the patient to improve their oral health based on clinical findings.

The student will write the approximate financial responsibility of the patient then have the patient initial that they understand their financial responsibility.

The student will write down on each appointment line what billable service they plan to perform.

Evaluation:

The student will check off which continuing care schedule is recommended to the patient.

The student will check off which referral(s) were provided to the patient and what the referral was for.

Documentation:

After reviewing all the information on the care plan with the patient, the student will have the patient sign and date to either proceed with the recommended treatment or to not proceed with recommended treatment. This is followed by the signature of the student and the faculty.

HORRY GEORGETOWN TECHNICAL COLLEGE

PATIENT REFERRAL FORM

Patient's Name: _____DOB: _____Date: _____

It is recommended that you schedule an appointment with a dental professional as indicated below. Radiographic films taken at HGTC will be sent to the General Dentist/Specialist of your choice. Please let us know where you would like this information sent.

[ ] General Dentist

[ ] Comprehensive Dental Exam

[ ] Complete Periodontal Evaluation

[ ] Decay (seen radiographically) on teeth #'s_____
or any other areas of decay you deem necessary.

[ ] Other_____

_____

_____

[ ] Oral Surgeon for evaluation of the following:_____

_____

_____

[ ] Pediatric Dentist for the following:_____

_____

_____

[ ] HGTC Community Dental Clinic (CDC) 843-839-1034

_____
Referring HGTC Supervising Dentist

By signing below, you are giving the HGTC Dental Clinic permission to release your radiographic films and/or intraoral images to the dentist of your choice.

_____ _____
Patient's Signature Date

Office use only

Radiographs emailed to: Dr._____ Date: _____

PATIENT REFERRAL FORMS

ALL PATIENTS THAT ARE SEEN IN THE CLINIC WILL RECEIVE A REFERRAL FORM FOR AT LEAST A COMPREHENSIVE EXAM. EXAMS ARE NOT DONE IN THE CLINIC.

The student will put a check next to General Dentist and Comprehensive Exam for every patient.

Based on the patient's oral health they may check off other boxes and be also referred to a specific type of specialty office.

Patient Referral Form will be signed by Dentist on Duty in Clinic or a faculty member.

Patient must sign the referral form and will be given a copy of the referral form to take with them.

PERIODONTAL STATEMENT OF UNDERSTANDING

Patients name: _____ Date:_____

I have been advised that my periodontal condition is outside the scope and ability of our student clinicians at HGTC's Dental Hygiene Clinic.

It is likely residual calculus will still remain after completion of this recent treatment.

I understand I may continue seeking treatment at HGTC Dental Hygiene Clinic for regular Periodontal Maintenance appointment to limit accelerated progress of this disease.

I have been advised that pocket depth greater than 6 mm should be treated by a Licensed Periodontist vs. a Dental Hygiene Student at our facility.

I understand that I have been given the opportunity to ask questions concerning my periodontal condition.

_____

ASSESSMENT: Check-in

I. Risk Assessment		+	√	X	N/A
Further Questions Findings *Finds risk factors*	1	◉	○	○	○
Uses references	2	◉	○	○	○
Vital Signs (*not taken*)	3	◉	○	○	○
Notifies Instructor of risk factors before check-in	4	◉	○	○	○
Documents appropriately in medical alert box	5	◉	○	○	○
Documents medications and contraindications	6	◉	○	○	○
Documents lifestyle risk factors (*ETOH/drugs h appt.)*	7	◉	○	○	○
Documents a concise statement "summary of health"	8	◉	○	○	○
Updates history at successive and recare appts	9	◉	○	○	○

II. Extra/Intraoral Exam		+	√	X	N/A
Technique – order, visual, palpation, auscultation,	10	◉	○	○	○
I.D. abnormality, measures/documents	11	◉	○	○	○
Assessment update at successive and recall appts.	12	◉	○	○	○

Student Name:_____

Date_____ Clinic_____

Patient Name_____

Date of Birth_____ Gender____

Calculus Class____ Perio Class_____ Apt#_____

Medically Compromised Yes___ No____

Special Needs_____

Today's Treatment_____

Completed_____

Instructor's Signature

III. Occlusal Exam		+	√	X	N/A
Angle's classification	13	◉	○	○	○
Overjet – Underbite	14	◉	○	○	○
Overbite – Openbite	15	◉	○	○	○
Crossbite	16	◉	○	○	○
Deviations	17	◉	○	○	○
Parafunctional	18	◉	○	○	○
Study Models:	19	◉	○	○	○

IV. Perio Assessment		+	√	X	N/A
Color, size, shape, texture, condition	20	◉	○	○	○
Recession measured	21	◉	○	○	○
Pocket measurement accuracy	22	◉	○	○	○
C.A.L. Measures zone of attached gingiva, notes CAL	23	◉	○	○	○
Bleeding points noted	24	◉	○	○	○
Mobility accurately documented	25	◉	○	○	○
Furcation involvement (symbols on chart)	26	◉	○	○	○
Etiological Factors	27	◉	○	○	○
Summary of perio status documented and updated at successive visits	28	◉	○	○	○

* **Critical Errors** *are noted in italics*:

ASSESSMENT (check-in continued)

V. Radiographic		+	√	X	N/A
Prescription prior to taking radiographs	29				
Technique/process/ *retake approval*	30				
Interpretation/correlation:EO/IO perio + hard tissue exam	31				
Name/date on radiographs-computerized records	32				
Cummulative radiation record completed	33				
Confers with Dr. on diagnosis	34				

VI. Hard Tissue Exam		+	√	X	N/A
Missing teeth I.D.	35				
Restoration I.D.	36				
Caries I.D.	37				
Abnormality I.D., rotations, versions, migrations	38				
Updates at successive and recare appts	39				

Instructor Comments:

VII. Deposit Assessment		+	√	X	N/A
Supra underassessed/ overassessed	40				
Sub underassessed/ overassessed	41				
Soft deposit assessment and indices	42				
Assessment of Stain	43				
Updates at successive and recare visits	44				

VIII. Treatment Planning		+	√	X	N/A
Formulates, presents dental hygiene diagnosis	45				
Prioritizes on patient's needs, changes as needed	46				
Has realistic goals for the process of care	47				
Plans the correct number/sequence of appointments	48				
Plans for pain control and stress reduction	49				
Plans timeframe for recare appointments	50				
Explains the need for referral to a specialty practice	51				
Explains plan, alternatives, expected outcomes, expenses	52				
Patient consent of plan confirmed with signatures	53				

End of Check-in

IX.Preventive/Supportive		+	√	X	N/A
Educates patient on conditions, needs, and commitment	54	◉	○	○	○
Overall health condition considered in instruction	55	◉	○	○	○
Correct toothbrush and technique taught	56	◉	○	○	○
Correct interdental aids and techniques taught	57	◉	○	○	○
Presentation - delivery, lay terms, visual aids, etc.	58	◉	○	○	○
Plaque index explained to patient	59	◉	○	○	○
Patient as plaque free as possible after OHI	60	◉	○	○	○
Tobacco cessation as needed utilizing current methodology	61	◉	○	○	○
Dietary Counselinq and lifestyle concerns	62	◉	○	○	○
Selective coronal polishinq: explains, uses correct techniques	63	◉	○	○	○
Topical fluoride treatment: explains correct data	64	◉	○	○	○
Fluoride self care instruction as indicated	65	◉	○	○	○
Care of restorations, oral appliances, dentures	66	◉	○	○	○
Pit & Fissure sealants as prescribed, techniques, results	67	◉	○	○	○
Antibacterial placement agents (Arestin, etc.)	68	◉	○	○	○
Chemotherapeutic aqents (chlorhexidine, etc.)	69	◉	○	○	○
Desensitizinq, products, techniques	70	◉	○	○	○
Updates at successive and recare appointments	71	◉	○	○	○

X. Pain Control		+	√	X	N/A
Indications/contraindications - clinician's judgement	72	◉	○	○	○
Explains the need, procedure, post op. precautions	73	◉	○	○	○
Selection of type of local anesthetic	74	◉	○	○	○
Topical anesthetic application	75	◉	○	○	○
Local anesthesia set up/administration technique	76	◉	○	○	○
Sedation: preparation/monitoring	77	◉	○	○	○
Antianxiety measures (presedation) clinician's judgement	78	◉	○	○	○
Documents record: type, amount, effectiveness, reactions	79	◉	○	○	○

Instructor Comments:

IMPLEMENTATION: Process evaluation

XI Instrumentation		+	√	X	N/A
Appropriate indications for ultrasonics, deposits, health status, risks	80	○	○	○	○
Explanation of procedure to patient	81	○	○	○	○
Equipment preparation: PT/OP *protections/safety/tip selection*	82	○	○	○	○
Pt/op positioning-neutral wrist, clock/handle position	83	○	○	○	○
Technique-placement and movement of tip/fulcrum	84	○	○	○	○
Retraction of soft tissue, avoids spray on patients face	85	○	○	○	○
Fluid control suction, pt. *not swallowing fluid, debris*	86	○	○	○	○
Pt/op positioning-neutral wrist	87	○	○	○	○
Retraction/indirect vision	88	○	○	○	○
Instrument selection, correct for area (end/edge) sharpness	89	○	○	○	○
Grasp (no split) fulcrum finger advanced, "C" thumb-index	90	○	○	○	○
Fulcrum placement, use, pivot, not traveling	91	○	○	○	○
Parallelism-facial/lingual(way tooth grows)	92	○	○	○	○
Subgingival insertion at line angle, toe leads at	93	○	○	○	○
Exploratory stroke first, reposition under deposit	94	○	○	○	○
Adaptation: face of toe third on tooth	95	○	○	○	○
Activation: whole hand as unit, press to open	96	○	○	○	○
Angulation 45-80 not closing on face during stroke	97	○	○	○	○
Pressure: lt-mod scaling, very light planing, *no scraping*	98	○	○	○	○
Stroke control: <2mm bite scaling/long light shave planing	99	○	○	○	○
Vertical or oblique strokes for scaling, horizontal for planing	100	○	○	○	○
Hands steady, no visible shaking or trembling	101	○	○	○	○
Gauze, rinse,suction, *patient not swallowing debris*	102	○	○	○	○
Finish by flossing, and uses subgingival irrigation PRN	103	○	○	○	○

EVALUATION: Check-out

XII. Calculus Removal		+	√	X	N/A
% supra removed	104	○	○	○	○
% sub removed	105	○	○	○	○
No lacerations	106	○	○	○	○
No burnished calculus	107	○	○	○	○
Self evaluates (air, explores) states where calculus remains	108	○	○	○	○

Patient _____ Date _____

Student _____

Instructor _____

XIII Evaluation/ QA		+	√	X	N/A
Organization, appropriate sequence in appointment procedures	109	◉	○	○	○
Equipment preparation set up/break down	110	◉	○	○	○
Documentation, entries in computerized record control	111	◉	○	○	○
No gloves at check in, gloves on at check out	112	◉	○	○	○
Reason for visit discussed, documented	113	◉	○	○	○
Treatment record page documented	114	◉	○	○	○
Patient's name/date on every page	115	◉	○	○	○
Makes certain all chart entries have signatures	116	◉	○	○	○
Completes student QA chart review of previous record of treatment, and documentation	117	◉	○	○	○
Treatment plan followed	118	◉	○	○	○
Student evaluation of care (treatment results documented)	119	◉	○	○	○
Continued comprehensive care referrals recommended	120	◉	○	○	○
Recare appointment times scheduled	121	◉	○	○	○

Patient _____ Date _____

Student _____

Instructor _____

XIV. Ethics		+	√	X	N/A
Attendance and punctuality	122	◉	○	○	○
Time management	123	◉	○	○	○
Infection control and patient safety assured	124	◉	○	○	○
Appearance/demeanor attitude, composure	125	◉	○	○	○
Consent forms signed by patient prior to any procedures, treatment	126	◉	○	○	○
Discretion and privacy of patient protected	127	◉	○	○	○
Patient rapport, compassion	128	◉	○	○	○
Teamplayer, self-directed, helps	129	◉	○	○	○
Accepts fair negative feedback	130	◉	○	○	○
Recognizes the need to learn	131	◉	○	○	○
Acknowledges and correct errors	132	◉	○	○	○
Practices effective communication skills	133	◉	○	○	○
Proper grammar spoken and written	134	◉	○	○	○
Practices within limits of knowledge and skills	135	◉	○	○	○
Follows rules, laws & regulations	136	◉	○	○	○
Meets commitments	137	◉	○	○	○
Reports misconduct	138	◉	○	○	○
Completes assignments on time	139	◉	○	○	○
Makes learning a top priority	140	◉	○	○	○

TalEval
Dental Hygiene Process of Care Evaluation
Grading & Outcomes Assessment System

The TalEval grading method and tracking software system serves as the ultimate tool for assisting faculty in grading students in the clinical setting and demonstrating compliance with the Commission on Dental Accreditation (CODA) Standards for accreditation. TalEval is a web-based system that can be accessed with any electronic device that has internet access.

Dental hygiene programs need a paperless grading system as they are more cost effective, less cumbersome, and beneficial for clinical infection control. Not only does the TalEval serve such purposes, it also serves as an asset in demonstrating compliance with the following CODA Dental Hygiene Standards:

Standard 1-1	Planning and Outcomes Assessment
Standard 2-11	Established mechanisms to ensure a sufficient number of patient experiences that afford all students the opportunity to achieve stated competencies.
Standard 2-12	Graduates must be competent in providing dental hygiene care for the child, adolescent, adult and geriatric patient.
Standard 2-13	Graduates must be competent in providing the dental hygiene process of care • Objective grading format • Clinical demands Increasing over the course of the curriculum
Standard 2-14	Graduates must be competent in providing dental hygiene care for all types of classifications of periodontal disease including patients who exhibit moderate to severe periodontal disease. • Patient care requirements including average, minimum and maximum degrees of difficulty for each patient category (TalEval Calculus and Perio Skill Levels) • Tracking Patient Types and Numbers
Standard 2-19	Ethics and Professionalism
Standard 3-7, 2	Faculty Calibration
Standard 3-9	A defined faculty evaluation process must exist that ensures objective measurement of the performance of each faculty member.
Standard 6-5, 2	Program ensures that continuous recognition/certification in CPR with AED for all students, is maintained

TalEval is an "Objective Grading System" that utilizes a mathematical formula based on three different factors:

1. Mean of total class performance in every skill set
2. Deduction of "Critical Errors" in every skill set for individual student performance.
3. Points gained from patient treatment types (calculus and periodontal skill levels)

In off campus rotation clinics for dental hygiene students, students can log-in to TalEval and grade themselves and it will appear in the TalEval database as an "Unverified Grade". Only a staff member of the off campus rotation or a dental hygiene instructor can "Verify" that the student's grading of his/herself is accurate. This is another feature in TalEval that helps with accreditation requirements of a program demonstrating that students are taught to self-assess their clinical performance.

Having students' self-assess (self-grade) makes it easier for the busy staff at an externship rotation to handle the task of grading students. The externship staff will simply log-in to TalEval, view the student's "Unverified Grade", radio button in additional errors if necessary, enter comments, and when they click "Save" the grade is then "Verified".

The Grading Format`

The grading experience includes a comprehensive **"Itemized list"** of procedures from the Dental Hygiene Process of Care which includes the following:

4 Major Categories>	Assessment	Planning	Implementation	Evaluation
14 Subcategories> Main Competencies	Risk Assessment EO/IO Occlusal Periodontology Radiology Hard Tissue Deposit Assessment	Treatment Plan	Prev/Supportive Pain Control Instrumentation Calculus removal	Quality Assurance Ethics & Professionalism

The "Itemized List" includes Items #1 – 140 under each of the 14 Subcategories (Main Competencies) The 1-140 individual items may be changed and if so must be renumbered since grading comments on errors must reference Item Numbers. In the event a student challenges their TalEval grade with the college administration or in a court of law, the written comments in TalEval would serve as legal documentation. Therefore, it must be specific and precise according to errors per Item Number.

Please do **NOT** change titles of the 14 Subcategories (Main Competencies) or add Subcategories beyond 14 as the mathematical formula is based on 14 categories.

The American Dental Hygiene Association (ADHA) criteria for the Dental Hygiene Process of Care is the format used in TalEval. It is also the original format seen by the Commission on Dental Accreditation (CODA) when they review self-study documents of schools using TalEval. Major changes in the appearance of your TalEval reports may be be questioned by those who have frequently seen it only in the original format. Most schools use TalEval in its original format. You may change, eliminate or add to the **140 "Items"** under the 14 Subcategories (Main Competencies) but do NOT add to the 14 Subcategories. The statistical equation programmed into TalEval is based on 14 Subcategories.

Terms used in the ADHA Dental Hygiene Process of Care are those used in TalEval. For instance, ADHA describes the assessment and charting of the dentition as "Hard Tissue Assessment". So "Hard Tissue" is the term used in TalEval.

In "Treatment Planning", TalEval lists "Dental Hygiene Diagnosis" as its first item as that is the term used by the ADHA. The **140 "Items"** can be changed by anyone who is an administrator in their TalEval database.

However, we highly recommend you do not change the format at all for the first six months of using TalEval. The original format that is on your TalEval database when purchased has been tested for thirteen years and is very effective in evaluating in the clinical setting and producing tables and charts that are easy to read. Changing titles to longer names will skew a chart or table off the computer screen. With experience, the user more fully understands when changes are really necessary and how to make changes that provide excellent outcomes assessment reports.

Your TalEval outcomes assessment reports can be used as Exhibits in your accreditation self-study document to provide supportive documentation for demonstrating compliance with CODA DH Accreditation Standards.

The Grading Procedure

Instructors go through the COMPREHENSIVE "Itemized list" when they evaluate student clinical performance and the list assures that instructors do not forget to observe every aspect of the process of care. This provides Quality Assurance in Patient Care (Standard 6-2). When instructors go through the list, they mark each item listed under 14 different categories using a symbol as follows:

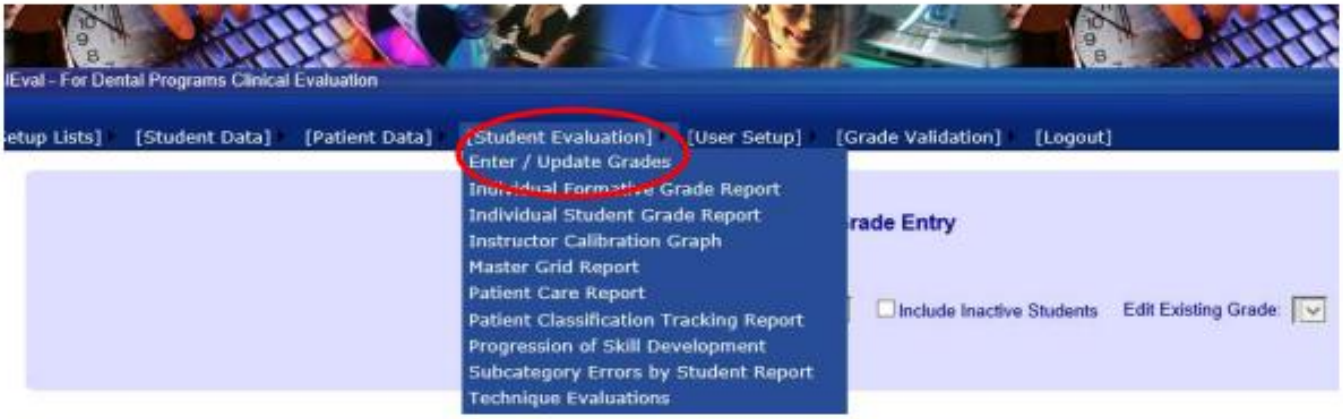
Evaluation Symbols:

- **+** for accuracy
- ✓ for a single minor error in a skill item
- **X** for multiple errors in a skill item
- **N** Indicates item: Not performed or observed

Rating with symbols is more objective than rating with numbers. It allows the instructor to focus on the student performance of the skill at the time of the evaluation. The best way to evaluate is NOT to think about the grade, just note the single error in an item by clicking on the radio button in the ✓ column. The multiple errors are entered by clicking on the radio button in the X column. The "Comment Box" also appears as soon as you click on ✓ or X buttons. When you click on the comment box and type in comments, the errors are automatically referenced by Item # and documented in the Grade Header "Comments" box.

To Enter a Student Grade

Go to the Dropdown Menu and click on "Student Evaluation" pull down menu and then click on "Enter/Update Grades"



FOR FURTHER TALEVAL GRADING INFORMATION USE THE LINK BELOW:

https://www.dhmethed.com/taleval-grading/

ONLINE TREATMENT NOTE TEMPLATE

Treatment Completed Today: **Any billable Procedures are entered here. Examples** include: 4BWs, FMX, Pan, PA #3, DHOE, Prophy -A, Prophy-C, Gross Debridement, S&RP UR/LR/UL/LL, FL, sealants #3,14,19, 30

Pulse: **Taken from health history check-in at each appointment**. **Ex**.80

Respirations: Taken from health history check-in at each appointment. **EX**. 12

BP: Taken from health history check-in at each appointment. Ex. 120/80

ASA: Taken from the Dental Hygiene Care Plan. Ex. II

AAP: Stage/Grade Noted. Taken from the Dental Hygiene Care Plan. **Ex. Stage I, Grade A**

CAMBRA: Taken from the CAMBRA Form. **Ex.** High

Medical History Reviewed: Stating you reviewed medical history prior to treatment. yes

Last Radiographs: State when patient's last radiographs were taken. If they were forwarded to clinic from another office, make note of office name and when they were taken. Ex. Patient states he took x-rays 2 years ago, radiographs taken 2-15-16 and sent from Dr. Smith's office.

Medications/Adverse Effects: Information obtained from medical history. Ex. Metformin/dry mouth, Effexor/hypotension

Condition to be addressed: Obtained by asking patient if they are having any specific problems and/or any clinical information retrieved during intra-oral inspection. Ex. Bleeding upon probing generalized/localized (put the area), patient states his gums bleed when he brushes, cold sensitive on the lower right, wants whiter teeth, has a chipped tooth……etc.

OHI: Any instructions or recommended products given to patient as part of their oral health education.

Ex. Brushing at a 45-degree angle, floss picks, tongue scrapper, talked to patient about periodontal disease, using a proxy brush in open contacts, water pick, mouth rinse, recommended patient use an electric TB.

Debris Indices/Biofilm Index: Information retrieved from intra-oral exam, debris indices. Ex. L/M/L

Oral Cancer Screening: Information retrieved from intra-oral exam. Type any abnormal pathology found to include color, size, and location. Ex. Negative, white lesion on the left lateral boarder of the tongue that Dr. Smith wants him to see the oral surgeon for evaluation. Sore on the roof of his mouth between the midline and tooth #3 that Dr. Smith wants to evaluate in 2-weeks.

Unique Identifier: Taken from the intra-oral inspection. Ex. Missing tooth #3, pan revealed supernumerary tooth above #4, Dr. Smith found a cyst on the pan that needs to be reevaluated at the next 6-month prophy with another pan.

Continuing Care: What is the next appointment and when. Ex's. 4-Quads of S&RP, reevaluation after SRP(1 month), 6-month prophy, 3-month periodontal maintenance, Patient needs to return in 2 weeks (March 29th) to reevaluate the lesion found during oral cancer screening.

Referral: What type of practice was the patient referred to and what for. Ex. General dentist for– comprehensive exam, periodic exam, oral lesion, periodontal evaluation

Comments: An explanation of what the student and/or patient experienced. Discuss the patient's dental history. Ex. Cavitron used today, and the patient tolerated it well. She is a smoker and presents with severe bone

loss and pocketing generalized. Heavy stain on the lower lingual anterior teeth. I did talk to the patient about the increased risk of periodontal disease and tooth loss associated with tobacco use. However, the patient did not seem receptive to the conversation or my suggestion regarding cessation resources. She had severe smoker stomatitis on the palate.

Self-Assessment: Ex. I now understand the significance of using exploratory strokes when scaling to determine if calculus is present then engaging with the third of my Gracey instruments to remove calculus. I feel strongly about getting this patient to understand how detrimental smoking is but realize patients will only make changes once they place greater value on health.

Clinicians Signature: Student will sign upon entering treatment into the computer. Ex. Connie Molar

Instructors Signature: Clinical Instructor will sign after student has entered information during grading. M. Meeker

CLINICAL REQUIREMENTS BY SEMESTER

COMPETENCY	DHG 165/175	DHG 255	DHG 265
Air Polishing	X	X	X
Antimicrobial Therapy		X	X
Calculus Detection	X	X	X
Care of Removable Appliances	X	X	X
Care Plan (Child, Adolescent, Adult, Geriatric)	X	X	X
Debris Index	X	X	X
Dental Charting	X	X	X
Hard Tissue Desensitization		X	X
Health History	X	X	X
Local Anesthesia		X	X
Oral Health Education	X	X	X
Extraoral/Intraoral Inspection	X	X	X
Periodontal Charting	X	X	X
Root Planing		X	X
Sealants		X	X
Ultrasonic Scaler	X	X	X
Varnish/Fluoride	X	X	X

CLINICAL COURSES PATIENT REQUIREMENTS

These

Calculus Deposits	DHG 165	DHG 175	DHG 255	DHG 265
# No calculus	No specified requirement	No specified requirement	No specified requirement	No specified requirement
# Simple				
# Light/Moderate		2	3	4
# Moderate		1	2	3
# Heavy		combined	combined	combined
Total # of patients per semester		12	18	25

calculus deposit minimum requirements are per semester.

A grade of 77% or higher is needed in each DHG course to move to the next semester

Periodontal Skill Level	DHG 165	DHG 175	DHG 255	DHG 265
0	No specified skill level required*	No specified requirement*	No specified requirement*	No specified requirement*
I				
II		2	3	4
III		1	2	3
IV		Experience*	Experience*	Experience*

These periodontal skill level minimum requirements are per semester.

Category of Patient	Number required
Special needs	10
Pediatric	3
Adolescent	3
Adult	10
Geriatric	10

***All grades count**

These special needs requirements are to be completed over the 4 clinical semesters.

COMPETENCY LIST DHG 175

1. AIRFLOW-1 PATIENT
2. BIOFILM INDEX-1 PATIENT
3. CALCULUS DETECTION*-1 QUADRANT
4. CARE OF REMOVABLE APPLIANCES-1 APPLIANCE
5. **CHILD** CARE PLAN
6. **ADOLESCENT** CARE PLAN — 1EACH
7. **ADULT** CARE PLAN
8. **GERIATRIC** CARE PLAN
9. DENTAL CHARTING-1 PATIENT
10. EXTRA-ORAL/INTRA-ORAL INSPECTION -1 PATIENT
11. HEALTH HISTORY-1 PATIENT
12. ORAL HEALTH EDUCATION -2 PATIENTS
13. PERIODONTAL CHARTING*-1 QUADRANT
14. ROOT PLANING*-2 QUADRANTS
15. ULTRASONIC SCALER*-1 QUADRANT
16. VARNISH APPLICATION-1 PATIENT

CALCULUS DETECTION*

- Board quality calculus must be present.
- Must detect 90% of supragingival calculus (Can miss 2 areas)
- Must detect 80% for subgingival calculus (Can miss 4 areas)

PERIODONTAL CHARTING*

- Must obtain 100% accuracy during check-in.

ROOT PLANING*

- 4-6mm pocket depth with Board Quality Calculus
- Must remove 90% of supragingival calculus (Can miss 2 areas)
- Must remove 80% for subgingival calculus (Can miss 4 areas)

CLINICAL X-RAY REQUIREMENTS

TYPE OF X-RAY	DHG 165	DHG 175	DHG 255	DHG 265
	#	#	#	#
FMX	0	2	3	3
BWX	As needed	2	3	3
VBWX	As needed	1	2	2
PAN	0	1	1	1

***A Quadrant consists of minimum 5 teeth (2 molars, 2 pre-molars, and 1 anterior)**

COMPETENCY LIST DHG 255

1. AIRFLOW-1 PATIENT
2. ANTIMICROBIAL THERAPY (ARESTIN)-2 POCKETS
3. CALCULUS DETECTION*-2 QUADRANTS
4. CARE OF REMOVABLE APPLIANCES-1 APPLIANCE
5. **CHILD** CARE PLAN
6. **ADOLESCENT** CARE PLAN — 1 EACH
7. **ADULT** CARE PLAN-
8. **GERIATRIC** CARE PLAN
9. DEBRIS INDEX-1 PATIENT
10. DENTAL CHARTING-1 PATIENT
11. EXTRA-ORAL/INTRA-ORAL INSPECTION -1 PATIENT
12. FLUORIDE APPLICATION-1 PATIENT
13. HARD TISSUE DESENSITIZING (Super Seal)-2 TEETH
14. HEALTH HISTORY-1 PATIENT
15. LOCAL ANESTHESIA -2 max/2 mand
16. ORAL HEALTH EDUCATION -2 PATIENTS
17. PERIODONTAL CHARTING*-2 QUADRANTS
18. SCALING & ROOT PLANING*-4 QUADRANTS
19. SEALANTS-4 TEETH (TO BE COMPLETED BETWEEN BOTH DHG 255 AND DHG 265)
20. ULTRASONIC SCALER*-2 QUADRANTS
21. VARNISH APPLICATION-1 PATIENT

CALCULUS DETECTION*

- Board quality calculus must be present
- Clinic grading period-IIA-Must detect 95% of supragingival calculus (Can miss 2 areas) and detect 80% for subgingival calculus (Can miss 4 areas)
- Clinic grading period-IIB-Must detect 100% of supragingival calculus (Can miss 0 areas) and detect 85% for subgingival calculus (Can miss 3 areas)

PERIODONTAL CHARTING*

- Must obtain 100% accuracy during check-in

ROOT PLANING*

- 4-6mm pocket depth with Board Quality Calculus
- Clinic grading period-IIA-Must remove 95% of supragingival calculus (Can miss 1 area) and remove 80% for subgingival calculus (Can miss 4 areas)
- Clinic grading period-IIB-Must remove 100% of supragingival calculus (Can miss 0 areas) and remove 85% for subgingival calculus (Can miss 3 areas)

CLINICAL X-RAY REQUIREMENTS

TYPE OF X-RAY	DHG 165	DHG 175	DHG 255	DHG 265
	#	#	#	#
FMX	0	2	3	3
BWX	As needed	2	3	3
VBWX	As needed	1	2	2
PAN	0	1	1	1

***A Quadrant consists of minimum 5 teeth (2 molars, 2 premolars, and 1 anterior)**

COMPETENCY LIST DHG 265

1. AIR FLOW-1 PATIENT
2. ANTIMICROBIAL THERAPY (ARESTIN) -2 POCKETS
3. CALCULUS DETECTION*- 4 QUADRANTS (100% correct)
4. CARE OF REMOVABLE APPLIANCES-1 APPLIANCE
5. **CHILD** CARE PLAN
6. **ADOLESCENT** CARE PLAN — 1 EACH
7. **ADULT** CARE PLAN
8. **GERIATRIC** CARE PLAN
9. DEBRIS INDEX-1 PATIENT
10. DENTAL CHARTING-1 PATIENT (100% correct)
11. EXTRA-ORAL/INTRA-ORAL INSPECTION -1 PATIENT
12. HARD TISSUE DESENSITIZING (Super Seal)-2 TEETH
13. HEALTH HISTORY-1 PATIENT
14. LOCAL ANESTHESIA -2 max/2 mand
15. ORAL HEALTH EDUCATION -4 PATIENTS
16. PERIODONTAL CHARTING*-4 QUADRANTS (100% correct within 1mm)
17. ROOT PLANING*-8 QUADS
18. SEALANTS-4 TEETH (TO BE COMPLETED BETWEEN BOTH DHG 255 AND DHG 265)
19. ULTRASONIC SCALER*-2 QUADRANTS (patient must have calculus)
20. VARNISH APPLICATION-1 PATIENT

CALCULUS DETECTION*(For TalEval Only)

- Board quality calculus must be present
- Clinic grading period-IIIA-Must detect 100% of supragingival calculus (Can miss 0 areas) and detect 90% for subgingival calculus (Can miss 2 areas)
- Clinic grading period-IIIB-Must detect 100% of supragingival calculus (Can miss 0 areas) and detect 95% for subgingival calculus (Can miss 1 area)

ROOT PLANING*

- 4-6mm pocket depth with Board Quality Calculus
- Clinic grading period-IIIA-Must remove 100% of supragingival calculus (Can miss 0 areas) and remove 90% for subgingival calculus (Can miss 2 areas)
- Clinic grading period-IIIB-Must remove 100% of supragingival calculus (Can miss 0 areas) and remove 95% for subgingival calculus (Can miss 1 area)

CLINICAL X-RAY REQUIREMENTS

TYPE OF X-RAY	DHG 165	DHG 175	DHG 255	DHG 265
	#	#	#	#
FMX	0	2	3	3
BWX	As needed	2	3	3
VBWX	As needed	1	2	2
PAN	0	1	1	1

***A Quadrant consists of minimum 5 teeth (2 molars, 2 premolars, and 1 anterior)**

CLINICAL COMPETENCY FORMS

G:\Updated 2024 competency forms\2024 UPDATED COMPETENCIES\AIR POLISHING COMPETENCY.docx

G:\Updated 2024 competency forms\2024 UPDATED COMPETENCIES\ANTIMICROBIAL THERAPY COMPETENCY.docx

G:\Updated 2024 competency forms\2024 UPDATED COMPETENCIES\BIOFILM INDEX COMPENTENCY.docx

G:\Updated 2024 competency forms\2024 UPDATED COMPETENCIES\CALCULUS DETECTION COMPETENCY.docx

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RADIOLOGY ASSISTANT DUTIES

Student Name: _____ Date: _____Grade:_____/100

TIMELINESS:

- Arrives early to accomplish clinic start-up before patients arrive.
- Stays until after clinic clean-up is completed or delegated.

PRE-CLINIC SET UP: Stock supplies as needed (soap, paper towels barriers, digital sleeves, masks, gloves)

- Turn on computers in digital radiology rooms.
- Turn on Panorex machine and computer.
- Prepare radiology rooms by disinfecting and placing barriers.

DURING CLINIC SESSIONS:

- Ensure radiology sign-up log is completed (your name, patient name/unit, type of x-rays
- Discuss any concerns regarding patient with student operator prior to taking radiographs.
- Escort patient to radiology room in order of sign-up sheet
- Expose radiographs, making note on sign-up log number of retakes, to include wrong sensor.
- Have an instructor view radiographs BEFORE taking any retakes.
- Instructor will sign off evaluation form BEFORE patient returns to their operatory (Automatic 77% RA grade if not done)

STERILIZATION/BEST PRACTICES:

- Disinfects and barriers radiology rooms after each patient
- Bag and label all contaminated item for sterilization: radiology holders, rods, rings
- ALWAYS place lead apron prior to taking radiographs (Automatic 77% RA grade if not done)
- ENSURE correct sensor plugged in prior to exposure (Automatic 77% RA grade if not done)

AFTER CLINIC SESSION:

- Sign out of EagleSoft on all computers including each radiology room, Panorex room, and the Radiology Lab
- Turn off Panorex machine, ScanX (if used), and ALL X-ray Units
- Empty trash in radiology areas
- Be sure Everything is put away and that all counter tops are free of clutter.
- Self-evaluate the radiographs you took on the appropriate evaluation form (bitewing, panorex, and full mouth) and turn in for grading to pod instructor within 1 week.
- Form is completed and signed by RAD instructor on day of RA assignment. Place in RA folder.
  ****Document any other activities that were completed during this session

PROFESSIONALISM:

- Demonstrates accountability, responsibility, and respect for **patients** and **instructors**, including appropriate verbal and nonverbal communication.

EACH BULLETED ITEM IS WORTH 4.5 POINTS/PROFESSIONALISM IS WORTH 10 POINTS

Faculty Initials: _____ _____ _____ _____

Point Deductions: _____ _____ _____ _____

CLINIC ASSISTANT RESPONSIBILITIES

Learning Objectives:

- Ensure efficient management and maintenance of the clinical facility.
- Promote positive patient relations by meeting the needs of the operators providing care.
- Uphold the highest infection control standards possible.
- Provide support services as outlined and do so willingly.
- Always maintain a professional demeanor.

Students will be evaluated on this activity based on performance, attitude, and team effort in meeting these objectives. Please refer to the Infection Control section of the Clinical Policies Manual for any questions. If the answer cannot be found, please ask an instructor. The role of a Clinic Assistant (CA) is critical to maintaining a safe, sterile environment for the clinical operators and their patients. It cannot be compromised, nor should it be taken lightly.

Timeliness: • Arrives early	Date	Date	Date	Date
• Stays until post-clinic clean-up is completed or delegated				
Pre-Clinic Set Up: Stocking of supplies is a Priority				
• Stock units/confirm operators have needed supplies (for patient care and soap, paper towels, tissues, cups)				
• Replenish supplies from storage room throughout the clinic-get key from instructor				
• Start laundry (if a sufficient amount has accumulated)				
• Prepare sterilization area by disinfecting counter tops				
• Replenish water in small ultrasonic				
• Ensure instruments are ready for operators				
• Check water levels in all 4 Autoclaves and the Statim & process unsterile instruments				
During Clinic Session:				
• Chairside Assisting: Assist clinical operators as needed				
• Confirm patients for the next clinic day - see Dana for guidance				
• Bags disposable supplies from rad lab and prepare for sterilization				
• Ensure toothbrushes, toothpaste, floss, oral health aids are stocked in the clinic				
• Change chair traps monthly (provide to operators end of day)-see posted schedule				
• Flush all water lines in CDC (2 minutes) each clinic session				
• Launder & hang up washable lab jackets after each clinic session				
• THURSDAY CA's-MUST CLEAN KITCHEN/REFRIGERATOR/MICROWAVE IN PM SESSION				

Sterilization: • Checks dates for cleaning autoclaves and clean as needed, document in sterilization binder on counter-see posted schedule				
• Load and run *Miele* instrument washer (at lunch and end of day)				
• Start autoclaves as needed (DO NOT START AT END OF DAY)				
• Run Biological Indicators in ALL 5 AUTOCLAVES on Tuesdays, check on Thursdays-see posted instructionson bulletin board & document in Sterlization binder on counter				
• Be sure clinic facility is always "Noticeably Clean". Keep sterilization are neat and organized during ALL sessions.				
• Wrap, label and prepare all contaminated items for sterilization				
• Clinicians are responsible for cleaning their own work areas, assistance with cassettes and tray set-ups or other equipment is acceptable.				
• Be sure **everything** is put away and that all counter tops are free of clutter				
• Disinfect all countertop surfaces in sterilization room				
• Get evaluation form signed the day of CA duties. Keep in CA folder found with the instructor folders.				
Professionalism: • Demonstrates accountability, responsibility, and respect for **patients** and **instructors**, including appropriate verbal and nonverbal communication.				

Professionalism is worth 10 points

EACH BULLET POINT IS WORTH 3.8 POINTS EACH

Faculty Initials: _____ _____ _____ ____

Point Deductions: _____ _____ _____ _____

HORRY GEORGETOWN TECHNICAL COLLEGE

DENTAL HYGIENE PROGRAM PATIENT QUESTIONNAIRE

Please read the following statements. Check the response that best describes your feelings about the treatment you received in the dental hygiene clinic today. Answers will remain ***confidential.***
This survey is designed to provide us with meaningful feedback for improving dental hygiene treatment at Horry-Georgetown Technical College. Thank you for completing this survey.

	Agree	Disagree	No Opinion
1. My appointment was confirmed. The student was polite in speaking with me on the phone and/or in person.			
2. I was given information explaining my responsibilities, rights as a patient, clinic appointment policies, and fees.			
3. The student was organized and prepared for my appointment.			
4. The student explained treatment/procedures that were needed so I was able to understand them and ask questions prior to treatment.			
5. The student was courteous, respectful, and attentive to me during the dental hygiene appointment.			
6. The student showed concern for my oral health status and well-being during treatment, educating me about ways to improve my oral health.			
7. The front desk staff was professional and provided satisfactory service during check-in and check-out procedures.			
8. The student was professional and provided satisfactory care.			
9. Faculty and staff members were professional.			
10. Overall, I was pleased with my treatment.			

If you did not agree with any of the above statements, please explain your concerns or provide recommendations. If you have any other concerns that are not addressed above, please let us know. Should you wish to speak with the Program Director, please write your name and preferred method of contact below.

Patient Name/Method of Contact (optional)

Student Name: Date of Visit:

DH CLINIC SURVEY GUIDELINES

1. Patient Questionnaire: At the return to complete appointment when the patient signs in, the administrative assistant will give all patients a Patient Questionnaire. The student clinician may also offer the patient the patient questionnaire. Patients should be encouraged to complete the form at the end of their treatment and return it to the secure drop box located in the dental clinic reception area. This questionnaire allows patients to provide feedback concerning the dental hygiene services, clinicians, faculty, etc. in a non-threatening, anonymous manner. The person making the suggestion/comment/concerns may or may not choose to sign the form and provide their contact information. If the person wishes to be contacted by the Program Director, he/she can make that request.

2. **Review of Questionnaire**: Completed patient questionnaires will be reviewed by the Program Director on a regular basis and presented to the faculty/staff at monthly faculty meetings as part of discussion for improvement.

III. INFECTION CONTROL

INTRODUCTION

Dental professionals are exposed to a wide variety of microorganisms in the blood and saliva of patients. These microorganisms may cause infectious diseases such as the common cold, pneumonia, tuberculosis, herpes, Hepatitis B and C, Covid-19, and the human immunodeficiency virus (HIV). The use of effective infection control procedures in the dental office will prevent cross-contamination that may extend to the dental office personnel.

Patients often do not know that they carry life-threatening diseases; therefore, every patient must be treated as a carrier. We owe it to ourselves, our families, and our patients to take every precaution possible to avoid cross-contamination with body fluids. The following section of the clinical manual has been developed for your protection. These guidelines are taken from the most recent recommendations by the ADA, OSHA, and CDC on infection control and MUST be stringently practiced at ALL times.

AT RISK
INFECTION IN THE DENTAL HEALTHCARE ENVIRONMENT

What Is Infection?

Infection is the spread of disease-producing organisms — pathogens. Infection also refers to the presence of pathogens in the body.

Pathogens live almost anywhere in the environment: air, dust, surfaces, and within the body in body fluids.

Although most pathogens can be easily killed by the use of disinfection and sterilization, many, including hepatitis B, can live on dry surfaces for a week or longer.

The body has barriers that keep many pathogens out: skin is the primary barrier. Mucous membranes in the mouth, nose, and other body openings also form a protective shield against pathogens.

Pathogens easily pass into the body through cuts or scrapes in the skin or mucous membranes. Once inside the body, most pathogens live in blood and saliva.

When pathogens invade, the body tries to fight them with special cells and fever. Under certain circumstances - if the body is weak or lacks immunity to the invading pathogen, or if the pathogens are too strong or too numerous – infection and disease can occur.

HIV infection, Covid-19, herpes simplex virus 1, hepatitis B, measles, chicken pox, staphylococcal and streptococcal infections, influenza, mumps, pneumonia and tuberculosis are only a few of the pathogens and infectious diseases that are transmissible in the dental healthcare environment. More information on diseases and their routes of transmission is listed in this section.

How Does Infection Occur?

Pathogens must enter the body for a person to become infected. The most common method of infection in the dental environment is from the patient to the staff member. Contaminated blood, saliva, or respiratory droplets from patients are passed to staff members by direct contact, transfer to clothing or possessions, and through residues of fluids found on surfaces or items in the dental environment. The infected material enters staff members' bodies most commonly through cuts on fingers, direct transfer to mouth, eyes, nose, or aspiration into the lungs.

Pathways Of Transmission

Transmission of pathogens – cross-contamination – is possible in the dental environment. The usual pathway is from patient to staff, but research shows infection can be transmitted from many directions.

One pathway of transmission is from direct spatter of blood, saliva or a mixture of both into the eyes, nose or mouth. Some airborne pathogens in aerosol droplets smaller than 5 microns can transmit diseases into the lungs.

Sprays of infected blood and saliva from patients' mouths often contaminate office surfaces or staff clothing and equipment; pathogens can then be transferred to the hands of dental personnel.

Once pathogens are on the hands, they can pass into the body through body openings or breaks in the skin.

Contaminated staff members can transfer pathogens to any surfaces they touch. These pathogens can then be picked up by other patients and staff members.

Pathogens can be carried home by staff members and patients on clothing and objects.

The Unnoticed Pathogen

There are often unnoticed sites where pathogens live in the dental environment including equipment, such as x-ray units, the dental unit, telephones, patient charts, door handles and bathrooms.

On people, pathogens may hide under wedding bands and any other jewelry, under fingernails, on uniforms and in hair.

Although unlikely, the waiting room – not designed for rigid hygiene procedures – is a place where patients and staff may become cross-contaminated by way of magazines, furniture, and even clothing racks.

Who Is At Risk

Many pathogens live easily on all types of surfaces. Staff, patients, sales representatives, janitorial staff, technicians and other visitors may come into contact with pathogens by touching contaminated items.

Treatment Staff

Dentists, hygienists, and dental assistants are at risk during dental procedures when infected saliva or blood sprays the face or enters a cut or sore.

Hygienists can become contaminated by patients via pathogens transmitted through blood, saliva, and plaque; respiratory illnesses can be transmitted by droplets in the air and any aerosol production.

Dental assistants pick up pathogens when they touch parts of the dental unit, chair, and instruments contaminated by pathogens as well as breathing in any aerosols created in the dental environment.

Laboratory and x-ray technicians can contract disease by touching contaminated items and by direct contact with patients.

NOTE: It is essential that dental healthcare workers keep face masks on during dental procedures AND clean-up after the treatment has been completed.

Non-Treatment Staff

Clerical personnel are at risk from handling the telephone, patient charts, and other surfaces that may be contaminated from contact with the hands or belongings of other staff members and patients.

Persons working after hours in the office are at risk from touching contaminated items.

Janitorial staff may be at risk from touching contaminated items and by improper handling of hazardous wastes.

Patients are at risk through contact with dental workers, clerical staff, and other patients in the office, and by touching contaminated items.

Spreading The Risks Outside the Office

Family members and close friends of anyone who works in a dental environment have a higher risk of infection than does the general population. A dental worker can all too easily carry an infection home to spouse and children.

Laboratory technicians in independent laboratories are at risk of infection from pathogens sent from office to laboratory on dentures, impressions, and other materials. Therefore, any items sent from the dental office to the laboratory which are thought or known to be contaminated should include **"ALERT LABELING"** to help protect laboratory personnel.

Risks Of Infection

The dental staff is at high risk for contracting and spreading a wide range of infectious diseases, possibly affecting job performance and job security as well as the health of colleagues and patients.

Dental staff may carry pathogens home with them, putting family and friends at risk for disease.

The common, less serious infectious diseases easily contracted in the dental healthcare environment are colds, influenza, staphylococcal, and streptococcal infections.

Bouts of common diseases may keep dental staff members at home for several days, a week, or more.

Young patients and parents may transmit measles, chicken pox, and mumps. These diseases cause severe long-lasting symptoms in adults. Measles is a potentially serious disease in pregnant women; mumps can cause sterility in men.

The more serious, even life-threatening diseases that can be spread in the dental environment include HIV infection, Covid-19, herpes simplex virus types I and II; hepatitis B, C and D; infectious mononucleosis; sexually transmitted diseases; and tuberculosis.

Risks Of Hepatitis B

An estimated 800,000–1.4 million persons in the United States have chronic HBV infection. Chronic infection is an even greater problem globally, affecting approximately 350 million persons. An estimated 620,000 persons worldwide die from HBV-related liver disease each year (taken from CDC.gov website 2013).

The most common symptoms of hepatitis B in the initial phases are headaches, gastrointestinal disturbance, body fatigue, and stiffness; all complaints frequently mistaken for signs of flu, cold, or tension.

Chronic carriers often go undiagnosed; up to 80% are unaware of their disease and thus, it does not appear on their dental histories. Chronic carriers are at increased risk for developing cirrhosis and liver cancer; they are also at increased risk of HDV (delta hepatitis), a more virulent, deadly form of the disease.

Dental personnel who treat an average of 20 patients a day are exposed to one chronic carrier every seven working days.

The virus can live for up to seven days on a dry surface and can be easily transmitted via a single, accidental needle stick.

There is no known cure or effective treatment.

Some states require dentists and other dental personnel who are actively infected with hepatitis B, or who are chronic carriers, to restrict or give up their practices.

The control of hepatitis B requires persistent hygiene and barrier techniques to help prevent cross-contamination, and because needle sticks and other accidents do happen, vaccination should be completed to assure personal protection. The clinician should also be tested for success of the vaccine.
Dental personnel who are vaccinated are taking a positive step in infection control and are minimizing risks to their health and careers.

Employers of dental personnel should take responsibility for informing employees of the risks of hepatitis B.

Risks of Hepatitis C

Although only 849 cases of confirmed acute Hepatitis C were reported in the United States in 2007, CDC estimates that approximately 17,000 new HCV infections occurred that year, after adjusting for asymptomatic infection and underreporting. Persons newly infected with HCV are usually asymptomatic, so acute Hepatitis C is rarely identified or reported. (CDC.gov website 2013)

Approximately 3.2 million persons in the United States have chronic HCV infection. Infection is most prevalent among those born during 1945–1965, the majority of whom were likely infected during the 1970s and 1980s when rates were highest. (CDC.gov website 2013)

There is no cure for Hepatitis C.

Risks of HIV/AIDS

About 50,000 people become infected with HIV each year. In 2010, there were around 47,500 new HIV infections in the United States. About 1.1 million people in the United States were living with HIV at the end of 2009, the most recent year this information was available. Of those people, about 18% do not know they are infected.

HIV disease continues to be a serious health issue for parts of the world. Worldwide, there were about 2.5 million new cases of HIV in 2011. About 34.2 million people are living with HIV around the world. In 2010, there were about 1.8 million deaths in persons with AIDS, and nearly 30 million people with AIDS have died worldwide since the epidemic began. Even though Sub-Saharan Africa bears the biggest burden of HIV/AIDS, countries in South and Southeast Asia, Eastern Europe and Central Asia, and those in Latin America are significantly affected by HIV and AIDS (CDC.gov website 2013).

This disease involves destruction of the body's immune system, making the person susceptible to life-threatening infections or cancers. The progression of the disease to the end phase takes, on average, ten years. There is no vaccine or cure for this disease.

High-Risk Patients

High-risk patients are known carriers of infectious diseases, persons in the infectious stage of a disease, or persons in a group with a statistically high rate of infectious disease. Unfortunately, most of these individuals are asymptomatic and unaware that they are carriers.

Patient histories should be updated regularly and include questions about infectious diseases.

A patient history cannot be relied upon as a **totally accurate indicator** of infection risk. High-risk patients are difficult to identify. Many do not know that they have an infectious illness or that they are at special risk; some are unwilling to reveal the presence of an infectious disease.

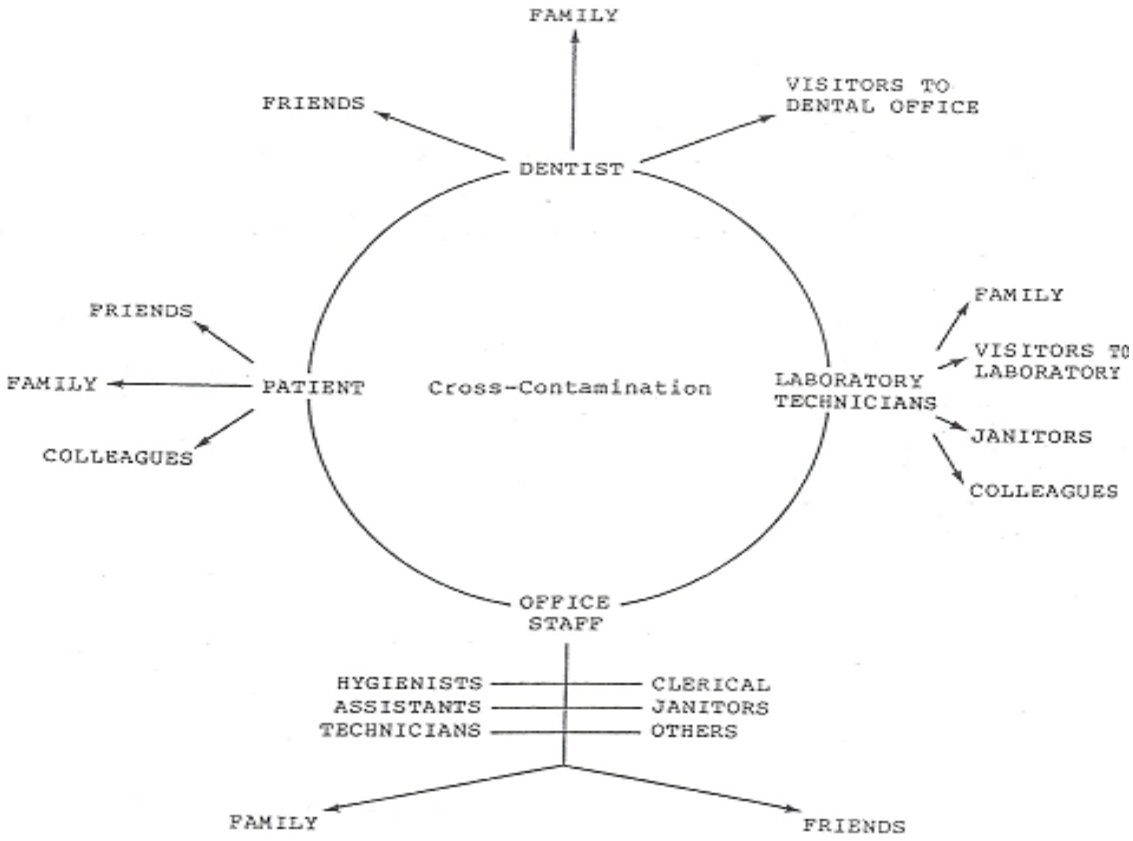
Groups at high risk for infectious diseases include:

- Patients being treated with immunosuppressive drugs.
- Patients requiring frequent blood transfusions.
- Anyone with multiple sexual partners.
- Drug abusers.
- Institutionalized or recently deinstitutionalized persons.
- Persons who have contact with young children – parents and teachers – are at a higher risk for influenza, common colds, and childhood illnesses.
- Healthcare personnel are a high-risk group for many infections but in particular hepatitis B; dental personnel are among those at highest risk.

****Each patient should be treated as if he or she were possibly infectious! ****

The difficulty of identifying high-risk patients underscores the need for **meticulously** following all infection control procedures including Hygiene, Barrier Protection, and Vaccination against hepatitis B.

PATHS OF CROSS-CONTAMINATION



INFECTIOUS DISEASES FOUND IN THE DENTAL ENVIRONMENT

ROUTES OF TRANSMISSION

DISEASE	SALIVA	BLOOD	AEROSOL SPRAY DROPLETS	OTHER	VACCINE
HIV/AIDS	•	•			
Hepatitis A				Oral-Fecal	•
Hepatitis B	•	•	•		•
Hepatitis C		•			
Hepatitis D		•			•
Hepatitis E				Oral-Fecal	
Herpes Type I & II	•		•		
Varicella-zoster	•		•	Direct Contact	
Eptsetin-Barr virus	•			Direct Contact	
Tuberculosis	•		•		
Syphilis				Direct Contact	
Gonorrhea				Direct Contact	
Mumps			•	Direct Contact	•
Polio	•		•	Direct Contact	•
Influenza Virus (A, B, C)			•		•
Measles	•		•	Direct Contact	•
Rubella			•	Direct Contact	•
Streptococcus Infections	•	•	•		
Staphylococcus Infections	•		•		
Candida Albicans				Secretions	
Pneumonia			•		

HGTC DENTAL CLINICS
DENTAL UNIT WATERLINE SYSTEM

Dental Hygiene Clinic and Community Dental Clinic

The Dental Hygiene Clinic and Community Dental Clinic utilize the
Sterisil® System G4 for dental unit waterline purification systems. The Sterisil® System G4 merges the best water purification methods available providing the only dental water purification system EPA registered to produce treated dental water and autoclave water.

The 6 unique stages of purification and disinfection include reverse osmosis, deionization, Class B ultraviolet (UV) disinfection, and our proprietary residual silver disinfectant. Treated dental water is nontoxic, non-corrosive, contains no oxidizers, and is safe for patients, staff, and equipment. Treated dental water is EPA registered and carries with it a quantified disinfection claim of ≤10CFU/ml HPC purity. That's 50 times lower than the ADA and CDC guidelines without tablets or daily additives. The G4 comes equipped with a suite of sensors, monitors, and indicators for convenient quality assurance and notification of system maintenance.

When the time comes, both audible and visual alarms notify users of the issue to be addressed. A Sterisil representative provides annual maintenance on-site.

During periods when the clinic is not in regular use, such as winter and summer breaks, water bottles are emptied and left to air dry. Prior to resuming clinical care after a 2+ week period of inactivity, water lines are shocked following waterline maintenance protocols. This procedure is documented in the Quality Assurance Manual located on the counter behind the Pod 2 desk.

All dental unit waterlines are tested annually using Agenics testing vials. Results of the annual testing are located in the Quality Assurance Manual on counter behind the Pod 2 desk. If a dental unit waterline test comes back as "fail", the Program Director will contact our local Sterisil Representative for further guidance.

In clinic, there are two small water faucet dispensaries located on the sink in sterilization nearest to instrument cabinets. One water faucet dispensary is labeled "dental" and the other is labeled "autoclave". The "dental" water is ONLY used for filling of dental unit water bottles for use during patient care. The "autoclave" water is ONLY used to fill autoclaves and Statim as indicated prior to running sterilization of instruments. A flexible hose is located underneath the sink, allowing an operator to easily fill autoclaves using the flexible hose. Otherwise, a plastic pitcher located under the sink may be filled with autoclave water and dispensed into autoclaves that manner.

HGTC DENTAL CLINICS
DENTAL UNIT WATERLINE RATIONALE & PROTOCOL

Dental Hygiene Clinic and Community Dental Clinic

Rationale for Waterline Safety & Precautions:

Biofilm—a coating of microorganisms—can develop in dental unit waterlines (the tubes connecting instrumentation such as low and high-speed handpieces, air/water syringes, and ultrasonic scalers with a water supply). To deliver water of optimal microbiologic quality, dental unit waterlines must be maintained regularly. Colonization of microorganisms within the waterlines may not pose a concern for healthy individuals, but it may place elderly or immunocompromised patients at unnecessary risk. Although infection associated with microbial contamination of waterlines appears to be rare, dental unit waterlines have been shown to harbor a wide variety of microorganisms including bacteria, fungi, and protozoans in numbers sufficient to cause illness. These microorganisms colonize and replicate on the interior surfaces of the waterline tubing forming biofilms. Biofilms can serve as a reservoir, amplifying the number of free-floating microorganisms in the water.

As a result, the CDC recommends flushing water lines at the beginning of the day to temporarily reduce the level of microbes in the water. Additionally, it is recommended to flush handpieces after patient use to help reduce any patient-borne microbes that may have entered the handpiece itself during clinical care.

Daily Waterline Protocol for the HGTC Dental Clinics:

At the beginning of each clinic day, dental unit lines and devices should be flushed with water **for at least two minutes**. The flushing of lines should occur prior to attaching any handpieces, ultrasonic scalers, air water syringe tips, or other devices.

The dental unit lines and devices need flushing after each patient for a minimum of 20 seconds.

HGTC DENTAL CLINICS
SUCTION LINE MAINENANCE PROTOCOL

Dental Hygiene Clinic and Community Dental Clinic

At the end of each clinic session, or following procedures that generate heavy bleeding, the following maintenance should be performed:

1. Filling the suction cleaner container located under operatory cabinet:
   - If suction cleaner container is full, proceed with Step 2. If empty, follow the steps below to fill the container:
     - Remove container from the rear delivery cabinet and disconnect lines. Be careful with this procedure as the computer is housed in this cabinet, as well.
     - Place container on cart and take container to sterilizing center.
     - Place 4 pumps full of *SaniTreet* (located under sink on dirty side of sterilizing center) into container and fill with regular tap water to the marked fill line.
     - Return container to the unit, connect lines and return to the cabinet.

2. Place suction lines (low and high volume) on the system flush, turn on unit and let the system flush. It will turn off automatically.

3. Remember, prophy paste is the main culprit of clogged suction lines. This MUST be done routinely to keep the lines clear.

STEP-BY-STEP INFECTION CONTROL GUIDELINES

THE CLINICIAN

Uniform-see "Attire" section/Clinical Policies

Eyes

1. **SAFETY GLASSES/FACE SHIELDS AND LOUPES ARE CONSIDERED TO BE PART OF THE CLINICIAN'S UNIFORM AND MUST BE WORN DURING ALL LABORATORY AND/OR CLINICAL SESSIONS WHILE WORKING ON PATIENTS!!!** Safety glasses must be worn during clinical set up and clean up procedures to protect the eyes from harmful microbes and/or disinfecting materials.

2. If you are the *Clinical Assistant* and you are assisting a student who is working on a patient, you must also wear proper PPE.

3. At the end of the day, unless it is needed sooner, clean glasses to remove all splatter and then spray/wipe with a surface disinfectant. Allow glasses to stay wet for 5-10 minutes, then rinse with water and dry. (This is done to prevent any fumes entering the eye and also to prevent any allergic skin reaction to the disinfectant).

Face Masks

1. Face masks **MUST** be worn at all times when working in the clinic on patients and during pre-disinfection and post-treatment disinfection of the operatory. The face mask should also be kept on AFTER completing aerosol producing procedures. Again, wearing a facemask protects your face from microbes and/or disinfectant materials being used to clean.

2. If you are the *Clinical Assistant* and you are assisting a student who is working on a patient, you must also wear a facemask.

3. Face masks **MUST** be changed frequently if they become moist. A moist facemask will transmit bacteria to the student's respiratory system.

4. Face masks **MUST** be removed by handling the elastic ear strings. DO NOT TOUCH THE MASK AT ANY TIME!

5. When leaving the operatory, remove your face mask. **Never** pull the mask down over your chin and then walk around the clinic.

6. Face masks are not to be worn outside of the clinical area.

Gloves

1. Gloves are worn for the student's protection AS WELL AS the protection of the patient. They must be long enough to fit over the uniform cuff. As the clinic is a latex-free environment, all gloves **are latex-free.**

2. Gloves are to be worn in the **operatory area** only, and only while involved in direct patient care.

3. When the student leaves the operatory for any reason, the gloves will be removed and discarded. If hands are not visibly soiled, an acceptable hand sanitizer can be utilized. Otherwise, hands should be washed.

4. When returning to the operatory, either sanitize or wash, and thoroughly dry hands before putting on gloves again.

5. When gloves are on hands, practice scrupulous aseptic technique. Do not touch anything other than instruments and devices used in treatment.

6. Should gloves become torn or compromised for any reason, immediately stop what you are doing, remove gloves, get a new pair of gloves and follow procedures as noted above in #4.

7. When wearing gloves, **DO NOT**:

    a. Leave the operatory

    b. Shake hands with someone

    c. Adjust Your Glasses

    d. Touch an environmental surface such as door knobs, telephone, mobile cart drawers, etc. that do not have a barrier

    e. Pick up an instrument from the floor

    f. Touch an uncovered light

    g. Touch your face mask

PRE-APPOINTMENT

Handwashing Upon First Entering The Clinic

1. The first hand washing of the day should be an "***ANTISEPTIC HANDWASH***". Conscientious adherence to the following protocol will result in an acceptable level of disinfection.

2. Remove all jewelry.

3. Use cool water. (Hot water causes your pores to open, making disinfection more difficult).

2. Thoroughly wet hands and forearms, then lather using a liquid antimicrobial soap.

4. Thoroughly scrub hands, nails, and forearms.

5. Be sure to scrub both the palmar and dorsal sides of each hand, all four surfaces of each finger, interdigital areas, wrists, and forearms.

6. Clean under fingernails.

7. Rinse well with cool water.

8. Repeat lathering and rinsing two more times. All three washings are for 30 seconds each.

9. Using 2 clean paper towels, dry hands first with each of the paper towels, then forearms, in the same manner.

10. Your hands are now ready for gloving.

Handwashing Between Patients

1. Hands should be washed before and after each patient and at other times during an appointment when necessary to prevent contamination of your operatory or cross-infection of your patient. It is always a good idea to do your hand washing where patients can observe you, thus quelling any doubts as to whether or not you have washed your hands.

2. Hand sanitizers can be used during the appointment, if your hands are free of debris.

PREPLAN your treatment sessions to minimize repeated entry into drawers and cabinets after washing hands.

UNIT SET-UP

Preparing The Operatory

1. Use heavy-duty utility gloves for preparing the operatory for set-up.

2. Flush water lines by running water in air/water and handpiece hoses for 2 minutes.

3. Disinfect the following with surface disinfectant wipes and ***follow manufacturer's directions for contact time.*** For example, after wiping surfaces with SaniCloth AF3 Germicidal wipes, they surface should remain wet for at least 3 minutes before placing any barriers.

   a. All cabinet surfaces (back cabinet and side cabinets) and handles of cabinet

   b. Tray delivery unit

   c. Handpiece hoses and holder

   d. Air/water syringe and oral evacuator bodies and holder

   e. Panel controls of on/off switch

   f. Foot control rheostat

   g. Light handles and arm

   h. DO NOT USE DISINFECTANT ON UPHOLSTERY OF DENTAL CHAIR AND OPERATOR/ASSISTING STOOLS. These must be cleaned with warm soap and water on a paper towel and then wiped off with a damp paper towel.

Remove heavy-duty gloves after washing with antibacterial soap. Spray outside of gloves with disinfectant, taking care not to contaminate bare hands (it is appropriate to touch inside of utility gloves only). Cover with paper towels until dry. Once gloves are dry, return to proper storage area in sterilization on the drying rack.

PRIOR TO PLACING BARRIERS, PUT ON EXAM GLOVES, follow steps below:

1. Barriers

    a. The dental chair will be covered with a large chair cover.

    b. The following will be covered with a keyboard barrier:
        - Computer keyboard
        - Monitors (Front and back, if using an aerosol producing agent. If not, only cover the back monitor). Secure with tape on the back of the monitor to make viewing easier.

    c. The following will be covered with a blue barrier:
        - Light switch
        - Light handles (both right and left)
        - Operator chair height adjustment levers
        - Large touch pad on dental tray delivery unit
        - The assisting touch pad
        - Computer mouse
        - Delivery unit handles
        - Monitor handles

    d. A plastic sleeve is to be placed on:
        - High speed evacuation holders
        - Saliva ejector holders
        - Air water syringe

Discard gloves won for setting up the operatory.

DURING THE APPOINTMENT

1. Escort patient to chair.

2. Review medical history and take vitals. Place patient napkin on patient.

***DON PPE:**

Prior to donning PPE, wash hands thoroughly for 20 seconds with soap and water or use an antimicrobial hand sanitizer.

3. Don a disposable gown and hair covering-
- The gown should fully cover torso from neck to knees, arms to end of wrists, and wrap around the back.
- Fasten gown at back of neck and waist.
- Place hair covering over hair.

4. Put on mask (or respirator)-
- Secure ear loops around ears.
- Fit flexible band to bridge of nose.
- Fit mask snug to face and below chin.
- Fit-check respirator if using.

5. Put on goggles or loupes followed by face shield-
- Place over shield over face and eyes, adjusting to fit

6. **Wash and dry hands thoroughly** before donning treatment gloves.

7. Put on treatment gloves-
- Extend to cover wrist of isolation gown.

8. Before any clinical care begins, it is recommended to have the patient perform a pre-procedural rinse with Chlorhexidine Gluconate. Doing so will reduce the risk of contaminated aerosols and provide a cleaner oral environment. Patients who are pregnant, nursing or under age 18 should NOT use Chlorhexidine Gluconate.

   Prefill the small plastic disposable cup in sink cabinets with 15ml (use cap to premeasure) of Chlorhexidine Gluconate. The patient should swish and expectorate into the cup after 30 seconds. You may also suction the rinse out of the patient's mouth.

**Rewash hands again during the donning of PPE steps if hands become contaminated.

AT APPOINTMENT COMPLETION

YOU MUST REMOVE ALL PPE before leaving the dental operatory area!
Remember all PPE is contaminated so be careful about how you remove it. If your hands become contaminated during PPE removal, immediately wash your hands or use an alcohol-based hand sanitizer.

The proper steps for DOFFING PPE are as follows:

Prior to removing PPE, wash hands thoroughly for 20 seconds with soap and water or use an antimicrobial hand sanitizer.

1. Remove gloves-
   - Using a gloved hand, grasp the palm area of the other gloved hand and peel off first glove.
   - Hold removed glove in gloved hand.
   - Slide fingers of ungloved hand under remaining glove at wrist and peel off second glove over first glove.
   - Discard gloves in a waste container.

2. Remove face shield and glasses-
   - Remove goggles or face shield from the back by lifting head band or earpieces.
   - If the shield is reusable, place on counter for disinfection later. Otherwise, discard shield.

3. Remove outer disposable gown-

   - Unfasten gown ties, taking care that sleeves don't contact your body when reaching for ties.
   - Pull gown away from neck and shoulders, touching inside of gown only.
   - Turn gown inside out.
   - Fold or roll into a bundle and discard in a waste container.

4. Remove mask-
   - Front of mask/respirator is contaminated — DO NOT TOUCH!
   - Grasp bottom ties or elastics of the mask/respirator, then the ones at the top, and remove without touching the front.
   - Discard in a waste container.

5. **WASH HANDS OR USE AN ALCOHOL-BASED HAND SANITIZER IMMEDIATELY AFTER REMOVING ALL PPE.**

**Rewash hands again during the doffing of PPE steps if hands become contaminated.

POST-APPOINTMENT (after patient escorted to waiting area)

1. Put on heavy-duty clean-up gloves.
2. Don a mask, followed by safety goggles.
3. Carry instrument cassette into sterilization on a plastic tray, ensuring the instruments are secure inside the cassette and the cassette is properly fastened shut. Place instrument cassette into the Miele instrument washer.
4. Gather all disposable items from the operatory area:
   a. REGULAR TRASH:
   - All items that **ARE NOT** heavily soiled with blood:
     Cups
     Patient Napkin
     Barriers
     Tray covers

   Remove the plastic chair cover and turn inside out; place all items not heavily soiled inside, including all barriers. Carry to sterilization and dispose of in a big trach container.

   b. BIOHAZARD TRASH: (Pull out cabinet on right of entry door into sterilization)
   - Place any items that **ARE** heavily soiled with blood in biohazard trash such as:
     - Blood-soaked gauze.

   c. SHARPS ITEMS: (Located in each hygiene operatory or on top of counter above Biohazard Trash cabinet in sterilization)
   - **Place items into the nearest sharps container such as**
     - Anesthetic carpules
     - Needles, irrigation, and anesthetic

5. Clean all previously described areas in "preparing the operatory" with a surface disinfectant and ***follow manufacturer's directions for contact time. For example, after wiping surfaces with SaniCloth AF3 Germicidal wipes, they surface should remain wet for at least 3 minutes. LEAVE SURFACES WET.***

6. Clean goggles with soap and water then clean with disinfectant wipe. Clean loupes with a the lens cleaner packets.
7. Flush all water lines as described earlier in the manual and attach low and high-volume evacuation lines to the automated vacuum line cleaning system. The system will run approximately 2 minutes and then shut off automatically.
8. Wash and wipe or spray utility gloves with disinfectant and place on the drying rack in sterilization.

WASH HANDS THOROUGHLY BEFORE LEAVING CLINIC.

INFECTION CONTROL FOR AUXILIARY FUNCTIONS

Impressions

1. After taking impressions, rinse impression with running water in sink.

2. Spray with disinfectant found in cabinet under the operatory sinks.

3. Place wet paper towel over impression and place in zip lock bag. Allow to stand at **least** 10 minutes before pouring.
4. **Rinse,** dry and pour.

5. Bowl and spatula used for impression should be wiped with disinfectant wipe. **NEVER PLACE THESE ITEMS IN THE SINK**.

6. Impression trays that were not used can be placed in the high-level chemical disinfectant/sterilant solution in materials lab. After proper contact time the trays can be rinsed well, scrubbed if needed and sterilized.

7. Used impression trays can be placed in the high-level chemical disinfectant/sterilant solution in materials lab. After proper contact time the trays can be rinsed well, scrubbed if needed and sterilized. If trays appear distorted in any way, please discard.

8. All metal impression trays will be cleaned and sterilized.

Sealants

1. Remove all the items that are needed from the sealant drawer in clinic behind Pod 2 desk; place items on a plastic try with a paper tray liner.

2. Retrieve curing light tip from instructor.

3. Place appropriate barrier on the curing light tip.

4. When finished, remove the barrier from the tip and then wipe down the tip and the ultraviolet shield with a disinfectant wipe.

Cleaning Removable Prosthetic Appliances

1. Place patient's name on outside of Ziplock bag.

2. At chairside, the student will obtain a denture brush and instruct the patient on the proper cleaning technique of the denture and/or partial.

3. Following education, the *Clinical Assistant* (wearing proper PPE to include masks, goggles, and gloves) will place the appliance inside a Ziploc bag that contains enough tartar/stain remover cleaning solution to cover the appliance.

4. Seal bag and place bag inside another Ziploc bag for extra protection. Place bagged appliance into small ultrasonic cleaner filled with tap water for approximately 10 minutes.

5. Wearing proper PPE as described in Step 3, open bag, empty solution, and rinse well with water.

6. Using a small denture brush (located above sink), brush appliance under running water. Place appliance into interior Ziploc bag, with patient's denture brush, and reseal the bag.

7. Place bagged appliance on a tray and return to the student clinician treating the patient.

NOTE: *Denture cleaning tablets may be given to patients presenting to the clinic with appliances.*

Utilizing The Ultrasonic Scaler And Air Polishing Device

1. Student **MUST** utilize the following barriers:
    a. Glasses/Loupes
    b. Face shield
    c. Hair covering
    d. Facemasks-**must** be a Level 3 mask or N95 (**MUST** be changed if they become moist)

NOTE: **A *moist face mask transmits microbes through the mask to the respiratory system of the operator. When utilizing the ultrasonic scaler and air polishing device, a water spray is transmitted and therefore the mask becomes moist in a shorter period of time.***

Handling of Sharps

1. Needles utilized for injections and subgingival irrigation **MUST** be handled carefully to prevent injuries.
2. When recapping needles, lay the cap on the bracket tray and guide the needle into the cap. Once the needle is inside the cap, use fingers to place the cap on firmly; or a recapping device can be utilized.
3. When finished, keeping the cap on, remove the needle from the syringe and place the needle and the anesthetic cartridges in the **RED SHARPS DISPOSAL CONTAINER** located on the middle shelf of the rear delivery cabinet.
4. When **Sharps** containers are full, notify a clinical instructor. These items will be placed in the biohazard area of the Phlebotomy lab for medical waste pick-up.

DO NOT BEND OR CUT NEEDLES!!

STERILIZATION PROCEDURES

Instruments introduced into the oral cavity which comes in contact with blood and saliva must be autoclaved. The autoclave which is steam vapor under pressure at 250 degrees F for 15-30 minutes provides an excellent method of sterilization. Moist heat kills bacteria by causing the denaturation and coagulation of the proteins within the microbial cell. The high temperature of the steam, not the pressure, kills the microorganisms.

Instruments will be cleaned utilizing the Miele instrument washer or the large ultrasonic cleaner. The large ultrasonic cleaner produces high-energy sound waves that create billions of microscopic bubbles which implode (collapse) on the surface of items, creating the cleaning action. This results in a "scrubbing/cavitation" action that is safer and more efficient than the manual scrubbing method. Solutions **MUST** be changed daily. The ultrasonic cleaner **MUST** be covered with the lid during use to prevent the spread of aerosols. At the end of the day, the ultrasonic is drained, the inside of the cleaner is sprayed with a disinfectant, and the lid is left ajar to allow drying of the inside of the unit.

The Miele instrument washer is similar to a home dishwasher and utilizes special cleaning agents and hot water to break down blood and debris on the instruments. The washer goes through rinse, wash and dry cycles to thoroughly prepare instruments for the autoclave.

Instrument Preparation with the Large Ultrasonic Cleaner

1. Instruments will remain in their cassettes to eliminate handling of sharp instruments.

2. As soon as the patient is dismissed, place the cassette in the ultrasonic.

3. When the ultrasonic is full (DO NOT OVERLOAD OR HAVE TRAYS TOUCHING BOTTOM), run for 10 minutes.

4. With utility gloves on, remove cassettes (REMEMBER THE SOLUTION IS CONTAMINATED), rinse under water and allow to dry.

5. Place into large sterilization pouch.

3. Write student number ("B12") if not a clinic item, date and autoclave number on bagged cassettes and any bagged instruments.

4. Items that should NOT be placed in the ultrasonic cleaner:
    - Handpieces of any type
    - Ultrasonic scaler tips
    - X-ray receptor rods and rings (rinse off and bag)

Instrument Preparation with the Miele Instrument Washer

1. The following items SHOULD NOT be placed in the Miele:
    - Ultrasonic scaler tips
    - X-ray receptor rods and rings
    - Handpieces of any type
    - Instruments made from aluminum, chrome, chrome plated, nickel, carbon or carbide steel
    - Plastic instruments that cannot withstand high temperatures.
    - Fiber-optics
    - Burs
    - Drill-bits
    - Grinders
    - Suction/syringe tips

2. Wipe off all instruments with gross debris, cements, composites, etc. directly after treatment.

3. Do not pre-soak, rinse or hand scrub instruments.

4. Place cassettes and/or loose instruments into the Miele.

5. The Miele serves as the "dirty storage area" and will clean and disinfect instruments that have been sitting for up to 6 hours. Do not allow dirty instruments to sit overnight.

6. The recommended cycle is ***Disinfection Vario.***

7. Select the optional 10-minute drying cycle.

5. Press START.

6. Open door immediately after the cycle ends to release hot air and steam and allow instruments to cool.

7. Proceed with bagging instruments for autoclave sterilization.

Operating the M-11 Autoclave

1. Check the level of distilled H2O and fill if necessary. (DO NOT OVERFILL)

2. Open door and remove the empty instrument trays.

3. Place cassettes on large trays and bagged instruments on the small trays. Make sure to indicate the autoclave number on the bags.

4. Return to autoclave, do not overload.

5. Shut door. Select "**Pouches**" mode and push "Start".

6. When light says "Dry Ready" or "Ready", door may be opened.

Storing Sterile Items

1. Remove instrument/materials from autoclave.

2. Place instrument cassettes in designated bins located inside the tall cabinets.

3. Place miscellaneous items such as XCP's or other items belonging to clinic on the clean side of sterilization inside white counter bins; to be stored later by the Clinical Assistant or faculty.

Shelf Life of Sterile Items

1. Outdated packs or packs suspected of being contaminated must be re-wrapped and resterilized. Rotate packs so that older ones are used first.

Non-Autoclavable Instruments

1. Instruments that cannot be autoclaved (pit and fissure sealant applicator handles, lip/cheek retractors, plastics, etc.) **MUST** undergo high-level disinfection.

2. An essential property of a high level disinfectant is effectiveness against vegetative bacteria, tubercle bacilli, bacterial spores and viruses. The effectiveness of a disinfectant is controlled by many factors. These factors include:

    a. Number of organisms
    b. Concentration and type of chemical
    c. Length of exposure to the disinfectant
    d. Temperature
    e. Type of material being disinfected

3. If the contact time and concentration are optimal, this type of solution may be used as a chemical sterilant. It must be emphasized that chemical agents may in one concentration kill bacteria and, in another dilution, or under a different set of conditions, merely inhibit or perhaps even stimulate bacterial growth.

4. Place items in basket and place in large ultrasonic cleaner for 10-12 minutes.

5. Remove from ultrasonic and rinse thoroughly with water. DRY THOROUGHLY.

6. Place in high level disinfectant solution/sterilant+ for specified time period.

7. Remove items from disinfectant/sterilant, rinse with water, and dry thoroughly on a towel. These items must be stored in containers, drawers or cabinets to prevent contact with aerosols or dust.

Indications for Sterilization or Disinfection of Dental Instruments

1. As with other medical and surgical instruments, dental instruments are classified into three categories – critical, semi critical, or noncritical – depending on their risk of transmitting infection and the need to sterilize them between uses. Each dental practice should classify all instruments as follows:

    - **Critical:** Surgical and other instruments used to *penetrate soft tissue or bone* are classified as critical and should be sterilized after each use. These devices include forceps, scalpels, bone chisels, scalers and burs.

    - **Semi-critical:** Instruments such as mirrors, amalgam condensers and x-ray rods and rings that *do not penetrate soft tissues or bone but contact oral tissues* are classified as semi critical. These devices should be sterilized after each use. If, however, sterilization is not feasible because the instrument will be damaged by heat, the instrument should receive, at a minimum, high-level disinfection/sterilant for the designated period of time.

    - **Noncritical:** Instruments or medical devices such as external components of x-ray heads that *come into contact only with intact skin* are classified as noncritical. Because these noncritical surfaces have a relatively low risk of transmitting infection, they may be reprocessed between patients with intermediate-level or low-level disinfection or be washed with detergent and water, depending on the nature of the surface, and the degree and nature of the contamination.

BIOLOGICAL MONITORING FOR THE M-11 AUTOCLAVES

The goal of biological monitoring is to determine whether the sterilization process is achieving the desired result of killing all microorganisms and providing instruments safe for use on patients. The only way to test an autoclave to make sure that it is killing all forms of living microorganisms is to perform biological monitoring or spore testing. To do this, we must use a biological indicator that contains the spores *Geobacillus stearothermophilus* formerly known as *Bacillus stearothermophilus.* When these are run through the autoclave and subsequently incubated for the appropriate time, we can determine through color changes if the autoclave is functioning properly.

Please remember that the use of the indicator strips in each cassette only tests whether the autoclave has reached the appropriate temperature, not if the microorganisms have been killed.

The following steps should be performed on a weekly basis for all three (3) autoclaves:

1. The tests are run on Tuesdays and checked on Thursdays of EACH clinical week during the semester.
2. Obtain 5 Biological Indicator vials from the drawer.
3. On each vial, put the date and the autoclave number: 1, 2, 3, 4 and 5.
4. Put each vial in a separate small autoclave bag. Label the outside of the bag just like each vial, with numbers 1, 2, 3, 4 and 5.
5. Place each bag in the center of a full load and run the autoclave on a normal ***"Pouches"*** cycle.
6. Once the cycle has run, remove the bags with the vials. WAIT 5 MINUTES FOR THE VIALS TO COOL.
7. Open the bags and place the vials in the Biological Indicator *incubator*, located at the end of the "clean" counter in sterilization The vials must be placed at an angle to crush the contents of the vial, and then placed upright in the holder.
    a. Remove an additional Biological Indicator from the drawer and label "C" for control. Crush the "C" vial as well and place upright in the incubator holder with the other 5 vials.
8. Record in the logbook the date and your initials in the "In-Box".
9. The vials **MUST** be incubated for at least 10 hours. At the beginning of the next clinic day on Thursday, check the vials for a color change. If the color remains purple, this means "no change" or no growth of any microorganisms. If the color turns to yellow, this means a change has occurred and there has been growth of microorganisms, indicating sterilization FAILURE.

    ****Please note:** The 5 vials from the sterilizers should remain purple; the control vial should turn yellow to demonstrate that microorganisms grew because it was never processed through a sterilization cycle.
10. Record in the logbook in the "Out Box" the date, your initials and place a (–) for no change and a (+) for a color change for each autoclave number.
11. Immediately notify a clinical instructor of any **positive findings**, which indicates sterilization failure.

Procedure for Positive Findings:

1. The autoclave with the positive finding should immediately be taken out of service. It has been deemed unsafe since microorganisms ARE NOT being killed. Post a large note on the autoclave stating "**DO NOT USE**".

2. Locate all instrument cassettes and bags with the positive autoclave number and re-run them through one of the other fully functioning autoclaves.

3. Another test cycle should be run following the above process to determine if the positive finding may have occurred due to overloading the autoclave or some other reason.

4. Incubate the vial for another 48 hours. If the test is negative, the autoclave is safe to use. If the test is positive, the autoclave will be removed from service and repaired.

INFECTION CONTROL CHECK LIST

PRIOR TO SEATING PATIENT

1. Put on heavy-duty clean-up gloves
2. Flush water lines for two minutes or longer
3. Wipe all surfaces with disinfectant wipe with the exception of upholstery on chairs
4. Remove gloves and wash hands. Place clean gloves on.
5. Begin unit set-up.
5. Place all appropriate barriers, including the saliva ejector and air/water syringe
6. Wash hands well
7. Carry a tray from sterilization containing instrument cassette. Do not bring a handpiece or ultrasonic insert if you are uncertain, you will use that clinic session. Try to gather all items you anticipate needing for the appointment and place on the tray. This prevents getting up multiple times or having to unglove to get into a cabinet.
9. Follow the "Don PPE" guidelines above.

ONCE PATIENT IS SEATED (after records review)

1. Place patient napkin
2. Give patient protective eyewear
3. Follow the "Don PPE" guidelines above
    - Gown
    - Glasses/Face shield/Hair Covering
    - Mask
    - Gloves
4. Position patient
5. Position light
6. Unwrap instruments and place syringe tip on holder
7. Instrumentation = Begin appointment procedures.

AFTER DISMISSAL OF PATIENT AND UNIT CLEAN-UP/ DISINFECTION

1. Put on heavy-duty clean-up gloves, goggles, and face mask
2. Place instrument cassette in instrument washer.
3. Remove and discard disposables. Place biohazard waste in biohazard pull out cabinet.
4. Wipe surfaces with disinfectant wipes and leave wet.
5. Wipe down handpiece and motor, lubricate, and bag for autoclaving.
6. Flush air/water and handpiece lines for two minutes.
7. Flush suction lines using the automated evacuation system.
8. Remove gloves, wash hands thoroughly and use hand sanitizer before leaving the clinic.

HAZARD COMMUNICATION STANDARD: SAFETY DATA SHEETS

HAZARD CONTROL

The Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012, requires that the chemical manufacturer, distributor, or importer provide Safety Data Sheets (SDSs) (formerly MSDSs or Material Safety Data Sheets) for each hazardous chemical to downstream users to communicate information on these hazards. The information contained in the SDS is presented in a consistent user-friendly, 16-section format. Keeping an updated SDS Binder allows workers who handle hazardous chemicals to become familiar with the format and understand the contents of the SDSs.

The SDS includes information such as the properties of each chemical; the physical, health, and environmental health hazards; protective measures; and safety precautions for handling, storing, and transporting the chemical. The information contained in the SDS must be in English (although it may be in other languages as well).

Sections 1 through 8 contain general information about the chemical, identification, hazards, composition, safe handling practices, and emergency control measures (e.g., firefighting). This information should be helpful to those that need to get the information quickly. Sections 9 through 11 and 16 contain other technical and scientific information, such as physical and chemical properties, stability and reactivity information, toxicological information, exposure control information, and other information including the date of preparation or last revision. The SDS must also state that no applicable information was found when the preparer does not find relevant information for any required element.

The SDS must also contain Sections 12 through 15, to be consistent with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS), but OSHA will not enforce the content of these sections because they concern matters handled by other agencies.

The Hazard Communication Standard states that employers/facilities must also provide this information to their employees by means of labeling on containers, SDS and training programs. It is intended that under this Standard that employees will be provided with the information they need to protect themselves from hazards.

The Dental Hygiene Program at Horry-Georgetown Technical College has an ***SDS Reference Binder*** located at the front desk which provides information concerning all materials utilized within the program and their hazards. An electronic version of the ***SDS Reference Binder*** is located on the desktop computer at the Pod 2 instructor desk.

The following outline describes the hazards that a dental hygienist could face when using certain chemicals within the dental environment. If used properly, chemicals will not become a hazard.

Routes of Exposure

1. Inhalation – a chemical is taken into the respiratory system and then transmitted into the bloodstream
2. Hazards that can be inhaled
    a. dust particles
    b. smoke
    c. vapors
    d. gases
    e. mists
    f. fumes
    g. chemicals

Precautions

- Proper Ventilation
- Wearing a Face Mask or Respirator type mask

3. Skin contact or eye contact – can cause itching, rashes, burns, loss of eyesight or possibly death

Precautions

- Proper protective clothing and safety glasses
- Flushing after the use of chemicals

4. Ingestion

Precautions

- **No Eating or Drinking in Work Areas**
- **Wash Hands before Eating or Drinking**

GENERAL RULES TO FOLLOW

PROVIDE A SAFE WORKING ATMOSPHERE

1. Each individual is responsible for his/her own safety.

2. If safety becomes a habit, no hazards will occur.

3. Know the safety features of the area in which you are working.

4. Is there any ventilation?
   - Each station has its own ventilation hood in the Dental Materials laboratory.

5. Where are the emergency exits?
   - ***Fire Evacuation Plan*** maps are posted throughout the facility

6. Where is a phone for emergency calls?
   - Office Manager's office (Patient reception area)
   - X-ray viewing room
   - Large Instructor station in clinic
   - Dental Materials lab
   - SIM lab
   - Every classroom
   - ***Emergency Call Box*** in hallway outside of SIM lab

   NOTE: Every phone has a "Campus Safety Alert" button that should be pressed ONLY IN CASE OF AN EMERGENCY. Once pressed, this alerts Campus Safety to immediately come to the location.

7. Where are the fire extinguishers located?
   - Hallway outside of dental materials lab
   - In SIM lab
   - Near stairwell off of clinic
   - Patient reception area

8. Where are the first aid kits located?
   - Large Instructor Station in the clinic next to Emergency Drug Kit
   - In Dental Materials Laboratory on back shelf under cabinets

9. Where are the *Eyewash Stations*?
   - Dental Materials Laboratory
   - Simulation Laboratory
   - Clinic Sinks in the Sterilization Center
     - The faucets in this area are pull-out faucets that can be turned upright and utilized as an "*Eyewash Station*".

10. **ALWAYS WEAR GLASSES, PREFERABLY THOSE WITH SIDE VENTS, AND FACE MASKS WHEN WORKING WITH ALL CHEMICALS AND TREATING PATIENTS.**

11. Do not smoke, eat, or drink in areas where there are hazardous chemicals.

12. Do not store food in the same area as hazardous chemicals.

13. Review all ***SDS*** forms prior to using a hazardous chemical.

14. An example of ***the SDS can be found at the link below*** –so you can familiarize yourself with the format.

https://www.msdsonline.com/wpcontent/uploads/2017/10/class_3_acetone_sample_sds_us.pdf

Safety Data Sheet DEFINITION: *A written or printed material containing information known about the chemical.*

- Items to be included on the ***SDS:***
  - Chemical and common names and name of labeled container if different.
  - List of the physical and chemical characteristics and hazards.
  - Health hazards including signs and symptoms of exposure and any applicable exposure limits.
  - The date of preparation of the SDS.
  - Appropriate emergency and first aid procedures.
  - Known control measures.
  - Applicable precautions for safe use and handling, including appropriate personal protective equipment.
  - Name of the chemical manufacturer, importer, distributor, or other party responsible for preparing or distributing the SDS.

HGTC DENTAL SCIENCES OCCUPATIONAL EXPOSURE TO BLOODBORNE PATHOGENS POLICY

Allied Health Students at Horry Georgetown Technical College who receive needle/instrument stick during clinicals will be covered under the *State Accident Fund.* Students and patients in the Dental Hygiene clinical setting where an occupational exposure has occurred will be directed to the College's Human Resources Department. HR will then contact the state agency that will
confidentially handle the protocol for blood testing within the OSHA guidelines.

Dental Sciences students injured with contaminated or possibly contaminated needles or instruments should be screened for Hepatitis, HIV/ADIS, and other infectious diseases following the protocol listed in this section.

This document outlines the overall policy for the management of a bloodborne pathogen exposure incident for a student enrolled in a HGTC Dental Science Program; Dental Hygiene and Dental Assisting. This policy is aligned with the college policy on an occupational exposure incident.

I. Definition

An occupational bloodborne pathogen exposure incident shall be defined as eye, mouth, other mucous membrane, non-intact skin or parenteral contact with blood or other potentially infectious materials that result from the performance of a dental hygiene or dental assisting student's duties or assignment.

II. Exposure Incidents Requiring Follow-Up

Exposure incidents requiring follow-up include: a percutaneous (punctured skin) injury with a contaminated sharp/instrument, or exposures to eye, mouth, other mucous membrane, or non-intact skin with blood or body fluids.

If blood or body fluid does not meet the above criteria, no further treatment is necessary.

III. Protocol

1. Decontamination: Follow good **first aid** techniques including thorough wound care; immediately flushing the exposed area with water and cleaning the wound with soap and water, flushing of mucous membranes and eyes if appropriate and using the eyewash station located in the sterilization area.

2. Notification: It is the student's responsibility to report all suspected exposure incidents:

a. Immediately to Faculty Member/Supervisor

b. Immediately to Employee Health/Infection Control Personnel in the clinical site where the exposure occurred. (If off-site and there is no post-exposure evaluation for students, contact your faculty.)

c. The student must call CompEndium Services, HGTC's Worker's Compensation Insurance Carrier, *at 1-877-709-2667* to report the incident. CompEndium will direct the injured student to the appropriate medical care provider, if needed. In the event that the student does not want to report their injury, please be sure to call CompEndium to let them know - it will be considered a 'report-only' injury. CompEndium will forward all reports to Human Resources.

d. After initial management of the incident, complete and return an Accident/Incident Report Form to the supervising Clinical Faculty Member.

3. Seek Medical Treatment: After notifying the faculty member, make arrangements to see a physician; the student's emergency contact can take the student to the nearest medical facility at the student's request, if needed. See the list of locations that work in conjunction with HGTC's Worker's Compensation. ****Please note: Doctor's Care Clinics are the only clinics affiliated with and that will accept Compendium Claims.**

Convenient for the Grand Strand Campus:

Location	Address	Hours	Phone Number
Doctors Care-Market Common	2761 Agnes Ln, Myrtle Beach, SC 29577	M-F 8am-8pm Sat-Sun 9am-5pm	(843) 492-2710
Doctors Care-Carolina Forest	200 Middleburg Dr. Myrtle Beach, SC 29579	M-F 8am-8pm Sat-Sun 9am59pm	(843) 903-6650
Doctors Care-North Myrtle Beach	1714 Hwy 17 N. Myrtle Beach, SC 29582	M-F 8am-8pm Sat-Sun 9am-5pm	(843) 361-0705
Doctors Care-Strand Medical	1220 21st Ave Myrtle Beach, SC 29577	M-Sun 8am-8pm	(843) 626-9379

Convenient for the Conway Campus:

Doctors Care-Hwy 501	1113 Church St. Conway, SC 29526	M-F 8am-8pm Sat-Sun 9am-5pm	(843) 248-6269

Convenient for the Georgetown Campus:

Doctors Care-Georgetown	1068 North Frazier St. Georgetown, SC 29440	M-F 8am-8pm Sat-Sun 9am-5pm	(843) 545-7200

While the source patient is not required to complete source testing, they should be encouraged to do so. This will be at the expense of the College.

3. Documentation: Per the HGTC Student Handbook, an accident/incident report must be filed on all accidents or injuries occurring on or off-campus that result from a student's performance of school duties. A faculty member will notify the Associate Vice President for Student Affairs (Melissa Batten-Conway Campus) and provide the name of the medical facility to which the student was taken. An accident/incident report will be completed by the student and faculty member and sent to the Associate Vice President for Student Affairs in Conway. Attached is a copy of the Accident/Incident Report Form. Documentation should include:

a. Type of exposure: puncture, scratch, bite, mucous membrane exposure (eye, nose, mouth)

b. Extent of the exposure

c. PPE (personal protective equipment) worn at the time of the exposure: gloves, gown, mask, protective eyewear, face shield

d. Description of the type/brand of instrument that caused the exposure

e. Decontamination procedures that were taken

f. First aid administered

g. Student's Hepatitis B immunity status and date of last Tetanus booster

h. Source patient: known or unknown

4. Policy

Students are given instruction in precautionary and infection control measures for blood borne pathogens prior to their first contact with patients and first contact with human tissue, blood, and body fluids. In addition, students will be instructed on what constitutes an exposure and the protocol to follow in the event of an exposure. Follow-up Occupational Safety and Health Administration (OSHA) training will be provided on an annual basis.

The facility providing the student's post-exposure management will be responsible for contacting both the student, source patient, and the Huma Resources Department with the results of the testing as well as the post-exposure evaluation and written opinion of the medical provider within 15 days of the initial evaluation.

Incident Exposure Protocol for the SOURCE (if known)

If a dental instrument or needle used during your dental procedure punctured a student's skin you are the "SOURCE" patient for an occupational exposure.

The source patient is encouraged to be tested via basic blood draw, to confirm a medical history clear of infectious disease.

The source patient should seek care at **Doctor's Care** ONLY, as Compendium (HGTC student workman's comp) contracts with Doctor's Care facilities.

The address for the Doctor's Care in Market Common is:

Doctor's Care
2761 Agnes Lane
Myrtle Beach, SC 29577
843-492-2710

*The source patient should inform staff at Doctor's Care they were involved in an occupational exposure and need to be tested. HGTC fully covers the cost of testing and Doctor's Care will submit to Compendium.

Questions can be directed to Compendium at 877-709-2667

EXPOSURE INCIDENT OCCURS

Immediately administer appropriate first aid for the wound:
Thoroughly rinse with soap and water
Apply topical skin disinfectant

Student reports incident to faculty member
Faculty member directs student to Program Director
Program Director completes exposure report and submits to Human Resources

Program Director directs student and patient to Human Resources Department of Horry Georgetown Technical College on the Conway Campus.

HR will give student's name and patient's name to appropriate State Agency that will confidentially handle blood testing for both parties.

SAMPLE EXPOSURE REPORT/QUESTIONNAIRE

Exposed Employee/Student Information

Name_____SSN_____

Employer Name_____Address_____

Time injury occurred_____ Time reported_____ Date_____

Has employee received Hepatitis B vaccination? Yes__ No __
Dates: 1._____ 2._____ 3._____

Post-vaccination HBV status, if known: ___Positive ___Titer _____Negative _____Unknown

Date of last Tetanus Vaccination: _____

Exposure Incident Information

Is the injury sharps related? ___Yes ___No

If Yes, type of sharp:_____ Brand:_____

Work area where exposure occurred:_____

Procedure in progress:_____

How incident occurred:_____

Location of exposure (e.g. "right index finger"):_____

Did sharps involved have engineered injury protection? ___Yes ___No

If Yes: Was the protective mechanism activated? ___Yes ___No

The injury occurred (circle one) BEFORE/DURING/AFTER activation of protective mechanism.

If No: In the employee's opinion, could a mechanism have prevented the injury:

If so, how?_____

In the employee's opinion, could any engineering, administrative, or work practice control have prevented the injury?
___Yes ___No

Source Patient Information

Name_____Telephone_____

Consent to release of information to evaluating healthcare professional ___Yes ___No

---

Patient's Signature

Review of source patient medical history: ___Yes ___No

Verbally questioned regarding:

History of Hepatitis B, Hepatitis C or HIV infection: ___Yes ___No
High-risk history associated with these diseases: ___Yes ___No
Patient consents to be tested for HIV, HCV, HBV: ___Yes ___No

If HIV+, antiretroviral medication history:_____

Report completed by:_____

POST-EXPOSURE PROPHYLAXIS (PEP)

Information for the individual who may have been exposed to the human immunodeficiency virus (HIV) during a needlestick.

When you have been exposed to someone's blood or body fluid you are at risk of acquiring HIV, the virus that causes AIDS. There is, however, a preventative therapy, called post-exposure prophylaxis (PEP), that is available should you choose to take it.

PEP (post-exposure prophylaxis) means taking antiretroviral medicines (ART) after being potentially exposed to HIV to prevent becoming infected. PEP must be started within 72 hours after a recent possible exposure to HIV, but the sooner you start PEP, the better. Every hour counts. If you're prescribed PEP, you'll need to take it once or twice daily for 28 days. PEP is effective in preventing HIV when administered correctly, but not 100%.

Occupational transmission of HIV to health care workers is extremely rare, and the proper use of safety devices and barriers can help minimize the risk of exposure while caring for patients with HIV.

Adverse Effects:

As with all medications, the PEP medications may cause side effects. Some of the effects the PEP may cause include the following:

1. Muscle Aches
2. Fatigue
3. Trouble Sleeping
4. Nausea
5. Loss of Appetite
6. Headache
7. Runny Nose, Nasal Stuffiness or Cough
8. Dizziness
9. Sensitivity to Sun Exposure (Rash, Itching, Or Redness)
10. Anemia
11. Changes in Liver and Pancreas Function

Your doctor can decide what is the best way to manage your care, and whether you should continue the PEP protocol, decrease medication doses, or discontinue the PEP protocol. Do not stop taking any medication in the PEP protocol unless you are told to do so by your doctor. It is very important not to skip any scheduled appointments with your doctor. You should call your doctor if you develop any of the following serious adverse effects:

1. Itching, redness and/or rash
2. Fever, chills, or sore throat
3. Shortness of breath or chest tightness
4. Extreme muscle pain
5. Very dark brown urine
6. Extreme tiredness or weakness
7. Extreme nausea or vomiting
8. Yellowing of your skin or eyes
9. Severe abdominal pain

Interactions With Other Medications: PEP may interact with other medications. Always check with your doctor or pharmacist before taking other medication while you are taking the PEP protocol.

POLICY FOR FACULTY, STUDENTS, OR STAFF MEMBERS WHO ARE HIV+ OR HBEAG+

- Faculty, students, and staff members will not be discriminated against on the basis of testing positive for a bloodborne infection.

- The institution will protect the confidentiality of any faculty, student, or staff member who has tested positive for an infectious disease. Limiting the patient care of HIV+ faculty, students, or staff is not justified based on current scientific evidence nor necessary due to the extremely low risk of disease transmission. For HBeAG+, patient care may be limited or eliminated, as the hepatitis virus is extremely contagious.

- The provision of patient care by infected faculty members, students, or staff members should be evaluated by the member's or student's physician and modified only if there is clear evidence that the provider poses a risk of transmitting infection to the patient. Among the factors considered are the provider's ability to meet infection control standards, personal medical condition, evidence of previous transmission of bloodborne diseases, mental and/or physical inability to provide treatment, and others that research may show to be significant.

- Faculty, students, and staff who are unable to provide patient care will be encouraged to seek counseling regarding career changes. The institution will provide assistance in getting students accepted to schools or departments of other related health fields where their condition will not be a risk to patients.

HORRY-GEORGETOWN TECHNICAL COLLEGE POLICY 3.7.1

Number:	3.7.1
Title:	Contagious Diseases, Infections and Pandemic
Authority:	Title 59, Chapter 53, Sections 810-860 of the 1976 Code of Laws of South Carolina, as Amended
Responsibility:	Vice President, Human Resources and Employee Relations
Original Approval Date:	04-08-1993
Last Cabinet Review:	07-28-2020
Last Revision:	07-28-2020

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Chairperson

DISCLAIMER

PURSUANT TO SECTION 41-1-110 OF THE CODE OF LAWS OF SC, AS AMENDED, THE LANGUAGE USED IN THIS DOCUMENT DOES NOT CREATE AN EMPLOYMENT CONTRACT BETWEEN THE EMPLOYEE AND THE AGENCY.

It is the policy of Horry-Georgetown Technical College that employees with contagious diseases and infectious diseases may continue their active employment or enrollment in accordance with the Americans with Disability Act as long as they are able to meet acceptable academic performance standards and/or perform essential functions and pose no potential or actual threat to the safety of themselves or others.

The College (working in concert with the South Carolina Department of Administration's Division of State Human Resources (DHSR), South Carolina Department for Health and Environmental Control (SCDHEC), the Center for Disease Control and Prevention (CDC) and Occupational Safety and Health Administration (OSHA) reserves the right to exclude a person with a contagious disease from the facilities, programs or functions if it is found that based on a certified medical determination, such restriction is necessary for the welfare of the person who has the disease and/or the welfare of others.

Confidentiality of information and communications relating to contagious diseases and infections will be maintained in accordance with applicable law regarding any aspect of actual or suspected contagious diseases or infectious disease situations.

A contagious disease is an infectious disease that can be transmitted from person to person, animal to person, or insect to person. Infectious disease is a disease caused by a living organism or virus. An infectious disease may, or may not, be transmissible from person to person, animal to person, or insect to person.

Contagious and infectious diseases include, but are not limited to, ebola, measles, influenza, viral hepatitis-A (infectious hepatitis), viral hepatitis-B (serum hepatitis), human immunodeficiency virus (HIV infection), Acquired Immune Deficiency Syndrome (AIDS), AIDS related complex (ARC), leprosy, Coronavirus and tuberculosis. The College may choose to broaden this list at its discretion based on information received through the Centers for Disease Control and Prevention (CDC).

A pandemic is an epidemic of infectious disease that is spread through the human population across a large region; for instance a city, state, continent, or even worldwide. Should a pandemic occur, the College President will work in concert with local fire, rescue, and emergency medical services as well as DSHR, DHEC, CDC, AND OSHA, to determine the need to evacuate/close a facility in the interest of personal safety[1] and, if necessary, to establish any quarantine or containment protocols.

The College shall develop a response plan to address critical business needs (staffing needs, pay, leave and closure issues) in the event of a contagious/infectious disease or pandemic emergency.

HORRY-GEORGETOWN TECHNICAL COLLEGE PROCEDURE 3.7.1.1

Number:		3.7.1.1
Related Policy:	3.7.1	
Title:		Communicable Disease & Infection (Faculty/Staff)
Responsibility:		Vice President, Human Resources and Employee Relations
Original Approval Date:		08-01-1994
Last Cabinet Review:		01-06-2016
Last Revision:		01-06-2016

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President

DISCLAIMER

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A. Contagious diseases shall include but not be limited to:

Diseases

AIDS
Tuberculosis
Chicken Pox
German Measles
Measles
Mumps
Whooping Cough
Trachoma, granulated lids, or acute conjunctivitis
Impetigo
Ringworm
Scabies
Lice

If any employee has knowledge of having a contagious disease or having been exposed to a contagious disease, it is the responsibility of the employee to notify the Human Resources Office.

If any supervisor or any member of his/her staff suspects an employee of having a health condition that could possibly be communicated to others, the Human Resources Office will be notified immediately. The employee may be excluded from the workplace until an appropriate assessment of the employee's medical condition can be made.

The assessment of an employee with a suspected contagious disease and the determination of an employee's ability to remain at work will be made by the President, after a preliminary consultation with the Human Resources Officer, based upon recommendation from local health authorities and/or physician.

If the President feels that the situation poses a real threat to the College or the community at large, he will notify the Public Health Authority of all known details and seek their advice and counsel.

Under provision of South Carolina Code 44-29-200, the President will prohibit the attendance of any employee until a satisfactory certificate is obtained from one or more licensed physicians and the Public Health Authority stating that such attendance is no longer a risk to others employed at the College.

Under all circumstances, the individual's right of privacy will be protected. Only those individuals who are directly involved with the employee(s) daily activities will be notified concerning the presence of a contagious disease.

HORRY-GEORGETOWN TECHNICAL COLLEGE POLICY 3.7.4

Number: 3.7.4
Title: Accidents/Illnesses Occurring on or off Campus
Authority: Title 59, Chapter 53, Sections 810-860 of the 1976 Code of Laws of South Carolina, as Amended.
Responsibility: Vice President, Human Resources and Employee Relations

Original Approval Date: 10-06-1994
Last Cabinet Review: 12-01-2017
Last Revision: 12-01-2017

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Chairperson

DISCLAIMER

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Any accidents involving injury should follow procedures that have been established by the College. Employees of the College, which also includes students at clinical sites, work study students, or students out on a required internship, are covered by worker's compensation and compensable claims are determined by the State Workers' Compensation Fund. Students [in a classroom or campus setting] have limited coverage through the College's student accident insurance (which is included in [their paid] tuition).

As a non-residential college, infirmary facilities are not provided. First Aid kits are available; however, illnesses of a more severe nature shall follow the respective procedure.

HORRY-GEORGETOWN TECHNICAL COLLEGE PROCEDURE 3.7.4.1

Number: 3.7.4.1
Related Policy: 3.7.4
Title: Accidents Occurring On or Off Campus
Responsibility: Vice President, Human Resources and Employee Relations

Original Approval Date: 10-05-1994
Last Cabinet Review: 12-01-2017
Last Revision: 12-01-2017

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DISCLAIMER

PURSUANT TO SECTION 41-1-110 OF THE CODE OF LAWS OF SC, AS AMENDED, THE LANGUAGE USED IN THIS DOCUMENT DOES NOT CREATE AN EMPLOYMENT CONTRACT BETWEEN THE EMPLOYEE AND THE AGENCY.

NOTE: If an injury or illness is determined to be of a more serious nature to require more than first aid attention, Public Safety should be contacted immediately. If the injured person requires medical attention, Public Safety will call '911' or a family member's number provided by the victim or from emergency contact information in the College portal. If the injury requires immediate action before the arrival of Public Safety, one bystander should also dial '911' or dial a family member. Employees of Horry-Georgetown Technical College should not transport an injured person to the hospital or doctor's office but should follow the transport in order to assist with information. If Public Safety cannot be reached, then '911' should be called immediately and the injured person should not be moved without the supervision of qualified medical personnel.

I. Procedure

If an accident/illness involving faculty, staff, student worker, students or visitors occur, one of, the following procedures should be followed.

A. Faculty/Staff and Student Worker (work-study, clinical student or students on a required internship) Accidents

   An accident/illness involving faculty, staff or student worker must be reported immediately to the Human Resources Department before seeking medical treatment, if possible, so an accident/incident report can be completed and Worker's Compensation can be notified. In the event someone in Human Resources cannot be notified, the injured party may contact the College's Worker's Compensation insurance carrier, CompEndium Services, to complete an accident/incident report and to receive clearance for treatment at 877.709.2667. If the incident is an emergency, please notify Human Resources as soon as the proper medical attention has been rendered for verification of workers' compensation coverage.

B. Student Accidents

   If a student has an accident/illness requiring any medical attention while on campus, the accident/illness should be reported directly to the Vice President for Student Affairs office on the Conway Campus, or to the respective Provost of the Georgetown or Grand Strand Campuses so an accident/incident report may be completed. If the accident/illness occurs in the classroom or a laboratory setting, the instructor may administer first aid, if appropriate. First Aid Kits are strategically located on all campuses. If the accident/illness does not require medical attention, the student, along with any witnesses, should report the accident/illness to one of the appropriate offices above.

   If a student who is involved in an accident requires medical attention at the hospital, an accident/incident report should be obtained by the faculty/staff member from the Vice President for Student Affairs on the Conway Campus, or the respective Provosts from the Georgetown or Grand Strand Campuses. If possible, a copy of the form should be taken to the hospital with the student or as soon as possible following the accident. All student accident claims are filed to the College's student accident insurance carrier by the Office of the Vice President for Student Affairs. The claims are paid in accordance with the guidelines of the College's student accident insurance policy.

C. Visitor Accidents

An accident/illness involving a visitor must be reported immediately to Public Safety. A report should be completed and maintained by Public safety. In following, Public Safety will notify the Procurement Office and provide them a copy of the accident report to maintain on file. The Procurement Office will file the claims with the College's insurance carrier.

D. Accident/Incident Reports

In regards to any of the above accidents, proper documentation needs to be completed. An accident/incident report needs to be filled out stating the name of the injured party, the location of the accident, his/her identification number (social or H number), his/her address & phone number, the date & time of the accident, whether there were witnesses, and a brief description of what occurred.

A copy of the report needs to be distributed to the following:

Faculty:	Human Resources, AVP/Dean, Supervisor
Staff/Student Worker:	Human Resources, Supervisor/Faculty
Student:	Public Safety, VP for Student Affairs, Dean/Campus Provost, Faculty
Visitor:	Public Safety

Blank accident/incident reports are located in the Public Safety office, Human Resources' Office, Office of Student Affairs, as well as an addendum to the Procedure.

II. Public Safety

Horry-Georgetown Technical College (HGTC) is committed to maintaining a safe and secure environment for students, employees and visitors to Campus. In order to ensure that safe environment, the College is partnered with Coastal Carolina University (CCU) to provide professional police and public safety services 24 hours a day, seven days a week.

If an emergency occurs and Public Safety is required, all campus phones have a 'Campus Safety Alert' button. Pressing this button will dispatch HGTC Public Safety and/or the CCU Police to that specific location. The direct line contacts for HGTC Public Safety are as follows:

Conway Campus: 843.349.7806

Grand Strand Campus: 843.477.2115

Georgetown Campus: 843.446.1869

CCU Dispatch Contact line: 843.347.3161

To inquire about further information regarding our Public Safety Department or Emergency Response, please reference the College's 'Safety & Emergency Response Manual'. Presentations are also available on HGTC's website for Safety & Emergency Training as well as Phone System Training.

III. First Aid Kits

The Superintendent of Buildings and Grounds will inspect the First Aid Kits quarterly and replace any missing items. First Aid Kits are located in various Departmental offices around each campus.

IV. Important Phone Numbers

A. Public Safety:

Conway Campus: 843.349.7806

Grand Strand Campus: 843.477.2115

Georgetown Campus: 843.446.1869

B. CCU Police Dispatch: 843.347.3161

C. Worker's Compensation Insurance Carrier, CompEndium Services: 877.709.2667

(for Faculty, Staff Members, and Student Workers only)

ADDENDUM
HORRY-GEORGETOWN TECHNICAL COLLEGE
ACCIDENT/INCIDENT REPORT

(Please submit to the appropriate departmental office immediately)

CAMPUS: [ ] Conway [ ] Grand Strand [ ] Georgetown

Name of Person Involved in Accident/Incident:

_____

S.S./H Number:_____

Address:_____

Phone Number(s): _____
Date of Accident/Incident Occurred: _____Time:_____

CHECK ONE:

( ) Faculty

( ) Staff

Nature of Accident/Incident:

(1) Injury
(2) Property Damage
(3) Fire/Arson
(4) Theft/Robbery/Motor Vehicle Theft/Burglary
(5) Hate/Prejudice Crime
(6) Crimes (such as drug or liquor law violations, assaults, or weapons possession)
(7) Other:

Explain Accident/Incident:_____

_____

_____

_____

What Action Has Been Taken?:_____

_____

_____

_____

_____

Reporting Person's Signature:_____

College Representative:_____

Date of Report:_____Time:_____

IV. CLINICAL RADIOLOGY

Radiographs will be taken only for diagnostic purposes following the "*Recommendations for Prescribing Dental Radiographs*" that have been adopted by the American Dental Association with review by the United States Food and Drug Administration.

A documented need for diagnostic radiographs may supersede the recommendations when a supervising dentist or the patient's dentist requests that the radiographs be taken. All documentations of request are to be noted in the patient's record.

The following pages illustrate the recommendations with rationale for each type of encounter, patient age, and dental developmental stages.

ADA RECOMMENDATIONS

RECOMMENDATIONS FOR PRESCRIBING DENTAL RADIOGRAPHS

These recommendations are subject to clinical judgment and may not apply to every patient. They are to be used by dentists only after reviewing the patient's health history and completing a clinical examination. Even though radiation exposure from dental radiographs is low, once a decision to obtain radiographs is made it is the dentist's responsibility to follow the ALARA Principle (As Low as Reasonably Achievable) to minimize the patient's exposure.

Table 1.

TYPE OF ENCOUNTER	PATIENT AGE AND DENTAL DEVELOPMENTAL STAGE				
	Child with Primary Dentition (prior to eruption of first permanent tooth)	**Child with Transitional Dentition** (after eruption of first permanent tooth)	**Adolescent with Permanent Dentition** (prior to eruption of third molars)	**Adult, Dentate or Partially Edentulous**	**Adult, Edentulous**
New Patient* being evaluated for oral diseases	Individualized radiographic exam consisting of selected periapical/occlusal views and/or posterior bitewings if proximal surfaces cannot be visualized or probed. Patients without evidence of disease and with open proximal contacts may not require a radiographic exam at this time.	Individualized radiographic exam consisting of posterior bitewings with panoramic exam or posterior bitewings and selected periapical images.	Individualized radiographic exam consisting of posterior bitewings with panoramic exam or posterior bitewings and selected periapical images. A full mouth intraoral radiographic exam is preferred when the patient has clinical evidence of generalized oral disease or a history of extensive dental treatment.		Individualized radiographic exam, based on clinical signs and symptoms.
Recall Patient* with clinical caries or at increased risk for caries**	Posterior bitewing exam at 6-12 month intervals if proximal surfaces cannot be examined visually or with a probe			Posterior bitewing exam at 6-18 month intervals	Not applicable
Recall Patient* with no clinical caries and not at increased risk for caries**	Posterior bitewing exam at 12-24 month intervals if proximal surfaces cannot be examined visually or with a probe		Posterior bitewing exam at 18-36 month intervals	Posterior bitewing exam at 24-36 month intervals	Not applicable

TYPE OF ENCOUNTER (continued)	**Child with Primary Dentition** (prior to eruption of first permanent tooth)	**Child with Transitional Dentition** (after eruption of first permanent tooth)	**Adolescent with Permanent Dentition** (prior to eruption of third molars)	**Adult, Dentate and Partially Edentulous**	**Adult, Edentulous**
Recall Patient* with periodontal disease	Clinical judgment as to the need for and type of radiographic images for the evaluation of periodontal disease. Imaging may consist of, but is not limited to, selected bitewing and/or periapical images of areas where periodontal disease (other than nonspecific gingivitis) can be demonstrated clinically.				Not applicable
Patient (New and Recall) for monitoring of dentofacial growth and development, and/or assessment of dental/skeletal relationships	Clinical judgment as to need for and type of radiographic images for evaluation and/or monitoring of dentofacial growth and development or assessment of dental and skeletal relationships		Clinical judgment as to need for and type of radiographic images for evaluation and/or monitoring of dentofacial growth and development, or assessment of dental and skeletal relationships. Panoramic or periapical exam to assess developing third molars	Usually not indicated for monitoring of growth and development. Clinical judgment as to the need for and type of radiographic image for evaluation of dental and skeletal relationships.	
Patient with other circumstances including, but not limited to, proposed or existing implants, other dental and craniofacial pathoses, restorative/endodontic needs, treated periodontal disease and caries remineralization	Clinical judgment as to need for and type of radiographic images for evaluation and/or monitoring of these conditions				

HGTC RADIOLOGY DEPARTMENT

Students, faculty and supervisory dentists should use the following patient radiograph flowchart to determine radiogrpahic need:

Patient type:	Low Risk (CAMBRA)	Moderate Risk (CAMBRA)	High Risk (CAMBRA)	Additional considerations
New patient Adult (25+):	FMX	FMX	FMX	Consult clinic Dentist
New Patient (18-25)	3rd molar determination required. If present: 4bwx and a PAN If NOT: FMX	3rd molar determination required. If present: 4bwx and a PAN If NOT: FMX	3rd molar determination required. If present: 4bwx and a PAN If NOT: FMX	Consult clinic Dentist
New patient adolescent: (11-17)	4bwx and a PAN	4bwx and a PAN	4bwx and a PAN	If additional concerns consider supplemental PA's Consult clinic dentist
New patient child: (7-10)	BWX if possible and PAN	BWX if possible and PAN	BWX if possible and PAN	If neither is possible a BWX S-PAN or Occlusals may be taken Consult clinic dentist
New patient child: (4-6)	BWX if possible and And Occlusals	BWX if possible and And Occlusals	BWX if possible and And Occlusals	If neither is possible a BWX S-PAN may be taken Consult clinic dentist
New patient child- only primary dentition:	BWX if possible and Occlusals	BWX if possible and Occlusals	BWX if possible and Occlusals	If neither is possible a BWX S-PAN may be taken Consult clinic dentist
Recare Patient Adult:	BWX 12-18 months	BWX 1yr	BWX 1 yr Unless deemed necessary take sooner	FMX every 4-5 years Consult clinic dentist
Recare patient Perio Maintenance:	VBWX 1 yr	VBWX 1yr	VBWX 1 yr Unless deemed necessary take sooner	FMX every 3 yrs Consult clinic dentist
Recare patient adolescent:	BWX 18 mos – 2 yrs	BWX 1 yr	BWX 1 yr Unless deemed necessary take sooner	Consider PAN if 3rd molars are a concern Consult clinic dentist
Recare patient child:	BWX 1-2 years depending on spacing of teeth And Occlusals	BWX 1yr And Occlusals	BWX 6mos – 1yr And occlusals	Consult clinic dentist 6 mos BWX- only if deemed necessary PAN after 6 years
Recare child- only primary dentition:	BWX 1-2 Years if possible or Occlusals	BWX 1yr if possible or occlusals	BWX 6 mos – 1yr if possible or occlusals	Consult clinic dentist
Partially edentulous:	Depends on the pt. Follow above guidelines when appropriate.	Depends on the pt. Follow above guidelines when appropriate.	Depends on the pt. Follow above guidelines when appropriate.	A PAN may be required if all other options are exhausted Consult clinic dentist

CLINICAL X-RAY REQUIREMENTS

TYPE OF X-RAY	DHG 165 #	DHG 175 #	DHG 255 #	DHG 265 #
FMX	0	2	3	3
BWX	As needed	2	3	3
VBWX	As needed	1	2	2
PAN	0	1	1	1

***Please see D2L course information sheet for your clinic course. Radiology requirements are subject to change.**

* Students take DHG 165 and DHG 121 (Dental Radiography) concurrently. Students are only exposing radiographs on live patients under faculty supervision, and only BWX Vertical, or Horizontal are taken by students at this level of experience. Patients who require more extensive radiographs are requested to come on a Tuesday or Thursday for a Senior level student to take the required radiographs.

PREGNANT OPERATORS

The first trimester of pregnancy is the most crucial, and during the entire nine-month period the fetus must not receive any more than 500 millirems of radiation.

- If a pregnancy is suspected and/or confirmed, the *Department Chair* should be notified immediately. This information will be kept in strict confidence.
- When exposing radiographs, the pregnant operator MUST stand to the side of the doorway out of the way of the primary beam when producing radiation.
- If a film-monitoring device is provided, it will be worn at waist level.
- Although this facility practices the highest standard of clinical operator protection, the College will not be responsible for injury to either the mother or child due to radiation exposure during pregnancy.

PREGNANT PATIENTS

- Each patient having radiographs taken will complete a medical history that will have questions concerning the possibility of pregnancy. Each patient will also be asked if there is a possibility of pregnancy prior to radiographic exposure.
- Each x-ray room will have a sign posted asking the patient to report the possibility of a pregnancy.
- Radiographs will not be taken on a pregnant patient unless it is deemed necessary.
- If radiographs are necessary, the pregnant patient, as with all patients, MUST wear a lead apron. Documentation MUST include the number and type of radiographs, and that the patient was pregnant.

CLINICAL OPERATOR PROTECTION

- The operator must NEVER hold the receptor in place for the patient during exposure. Receptor holding devices must be utilized at all times.
- The PID should never be hand-held during exposure. Exception: if a NOMAD handheld device is being used. If the tube head housing is drifting or moving, report this to the Department Chair.
- The operator must stand outside of the x-ray room with the door closed during the entire exposure. Each x-ray room door has a safety switch that will not allow the emission of x-rays unless the door is completely closed.

- Any students or Faculty using the NOMAD will do so after completing the NOMAD training course and have successfully passed the NOMAD training test with a 100%.

- An operator lead apron and thyroid collar must be worn by the operator when using the NOMAD.

PATIENT PROTECTION

- The ALARA concept states that all exposure to radiation must be kept to a minimum, or "as low as reasonably achievable". To provide protection for both patients and operators, every possible method of reducing exposure to radiation should be employed to minimize risk.

- All receptors utilized for radiographs are digital sensors that provide a significant exposure reduction to the patient.

- Patients being exposed to radiation will wear a lead apron with a thyroid collar for intraoral images a lead apron without a thyroid collar for all panoramic radiographs. Lead aprons should be stored in a hanging position and never folded when not in use as that will damage the lead lining within the apron. Failure to use a lead apron when exposing patient in clinic will result in a failure for the radiographic survey.

- Retakes will be kept to a minimum and must be authorized by the supervising dentist or clinical faculty member.

- Only shielded open-end cones or PID's, no more than 2.75 inches in diameter, will be used in order to minimize scattered radiation in compliance with state regulations.

- Clinicians will not be allowed to hold receptors during exposure. If necessary, patients or caregivers will be directed as appropriate based on current best practices. If needed, the caregiver will also wear a lead apron.

- kVp and mA are pre-programmed, but the exposure times must be appropriately selected. Appropriate settings are listed under each wall panel.

- All retakes taken by the student will be supervised by a clinical faculty member.

PATIENT RECORDS

- No patient shall have a radiograph made at this clinic without first completing a medical and dental history, a signed consent, a confirmed clinical need and permission from the supervising dentist/clinical faculty member.

- The number, type of radiographs exposed (to include retakes) must be recorded in the patient's file (*Record of Treatment*) as a permanent record.

- If the radiographs are to be sent to the patient's dentist, they will be forwarded electronically. The clinic office manager will record the date, number and type of radiographs sent, and the dentist's name in the record of treatment.

- Students are responsible for maintaining proper clinical records.

- Clinical faculty members oversee all entries to patient records and sign-off on all recorded appointment procedures.

GRADING OF RADIOGRAPHS

STATEMENT

Both the student and the instructor will perform grading of radiographs. Students will be given the opportunity to self-evaluate each set of radiographs which will assist them in critiquing technique and analyzing anatomical landmarks/pathology. Students will immediately recognize errors and be able to correct these in the future.

PHILOSOPHY

Bite Wing Radiographs:

- On each set of Bite Wing radiographs there should be a CLEAR image of the following:
    - Each interproximal space to include adequate bone level
    - Crowns on both maxillary and mandibular
    - Distal of canine on premolar views
    - Ascending ramus on molar views

Full Mouth Surveys

- On each set of Full Mouth radiographs there should be a CLEAR image of the following:
    - Each interproximal space
    - Each apex of each tooth
    - 1-3 mm of supporting tissue around the entire tooth structure
- Grade Calculation
    - ❑ Point Deductions are based on DHG/DAT Course and semester.
    - ❑ Please see D2L for your updated Radiology grade sheets to determine point deductions

Panoramic radiographs

- Grading is based on the following technique guidelines:
    - Patient preparation
        - Removal of all metallic or radio-dense objects
        - Proper lead apron utilized
    - Unit preparation
        - Proper settings are applied
    - Patient positioning
        - Patient is positioned properly on the biteblock
        - Lips closed on the biteblock
        - Tongue is in contact with the palate
        - Patient's chin is positioned properly
        - Patient's head is positioned properly
        - Patient is standing upright
    - Charting and documentation grading is the same as the FMX

CLINICAL ANALYSIS

- The following criteria are used for grading Periapical and Bite Wing radiographs. Additional comments may be made within the submission box. Radiographic evaluations are submitted through D2L using the "QUIZ" tool.

***FP** Film placement:*	Any error in placing the receptor in the mouth that results in such as not exposing the correct area for a particular radiograph.
***VA**-Vertical Alignment:*	Any error in placing the PID that results in elongation or foreshortening.
***HA** Horizontal Alignment:*	Any error in placing the PID that results in overlapping of the proximal contact areas.
***CC** Cone cut:*	Any error that produces cone cuts on the radiograph.

- Mounting Errors: points off for every mis-mounted radiograph which varies depending upon the semester

- Charting Errors: Points off varies depending on the semester
  - caries, abscess, etc.
  - restorations
  - calculus
  - anatomical landmarks

- Documentation/ professionalism Errors (10 points each):
  - failure to place lead apron on patient
  - prematurely dismissing patient prior to having radiographs checked
  - exposing radiographs on a patient without the proper patient chart open in Eaglesoft
  - additional instances will be addressed on a case-by-case basis

RECEPTOR PROCESSING AND STORAGE

Only Schick digital sensors, PSP phosphor plates and Digital PANs are utilized in this clinic.

- Sensors are to be stored in their proper holders on the wall.
- Cords are to be kept hanging and should not be wrapped tightly
- PSP plates, are to be stored in labeled black boxes without barriers until needed
- PSP plates, need to be cleaned with the appropriate PSP wipes at minimum, once per semester; or when plate shows signs of dirt

PSP plate processing instructions:

- Prior to exposure and patient contact, PSP plates are to be covered with the appropriate size barrier and sealed for water resistance.
- After exposure, PSP plates in their barriers are to be disinfected with Cavacide
- Once PSP plates have been disinfected, they may be removed from their barriers and placed in a light tight black transfer box. The inside of this box cannot be disinfected so care needs to be given to not contaminate the transfer boxes.
- PSP plates are then to be brought into the processing room, with lights turned off, process PSP plates using the SCANX machines in the processing room.

QUALITY ASSURANCE

Quality assurance refers to special procedures that are used to assure the production of consistent high-quality diagnostic radiographs.

The following are quality controls that this clinic will practice:

- Regular x-ray unit calibration by registered dental vendors. DHEC will perform the test every 2 years and the dental vendor will perform the interim inspection. All records will be kept in the *Radiology department in the Radiology Binder*

- NOMAD Training, documentation, and policies will be stored in a separate binder.

- The following quality assurance checks will be performed by faculty or students under the guidance of faculty. All results will be recorded on the log sheet that will be kept in the ***Quality Assurance Book*** located behind the large Instructor Station on the clinic floor.

    - Lead apron check – every semester visually. Radiographically as deemed needed.
        - If damaged, and a true lead-based apron, the lead apron should be disposed of following manufacturer's direction as the lead lining is considered a "dangerous waste".
    - PSP plate Check - Once per year, or as needed. Plates will be radiographed on a radiology manikin to check for scratches, bends, and poor processing signs. Plates will be labeled with a white sticker that is dated. Plates that are not to be used on live patients, will be marked with a colored sticker with the date.

RETAKES

- Retakes will only be taken when the information is not available on another film. A clinical instructor, **NOT THE STUDENT**, will make authorization and note of how many retakes are needed.

- A film that has been determined unusable may not need to be retaken if the information is available on another film.

- **RETAKES ARE NEVER TAKEN ON PATIENTS SOLELY FOR THE PURPOSE OF IMPROVING A GRADE!**

X-RAY RETAKE POLICY

NOTE: RETAKE X-RAYS MUST BE COMPLETED UNDER THE GUIDANCE OF A CLINICAL INSTRUCTOR TO CORRECT THE PROBLEM AND ALLEVIATE FURTHER RETAKES.

Grading of Radiographs

- The student is allowed 7 retakes per FMX and 1 retake per BWX. Vertical BWX allow 2 retakes. When grading the retakes, the instructor will automatically deduct the appropriate % or points for the radiograph being a retake. The retake will then be graded accordingly with the remaining radiographs. Retakes above the allowed number will result in an automatic 0 for that evaluation and will only be taken for patient benefit to assure the series is diagnosable should it be sent to a dentist.

- Each student must have a **CLINICAL DENTAL HYGIENE FACULTY MEMBER** sign the radiographic exposure log. If there is a dentist signature in the space, 10 points will be taken off the X-ray grade for that series, unless the clinic dentist has been assigned to assist in radiology for the day or for that patient.