Oregon Institute of Technology

Dental Hygiene Application

Fall 2010

Dental Hygiene Degrees at OIT

Oregon Institute of Technology offers two pathways toward a degree in dental hygiene. Both programs require one year of prerequisite courses. Enrollment into the sophomore year of each program is limited and based upon the selection process outlined in this application packet.

Bachelor of Science Degree

A bachelor of science degree is offered on the Klamath Falls Campus. Students admitted to the program begin in the fall of the sophomore year and graduate at the end of winter term in the senior year.

Associate of Science Degree

Through a unique partnership with Eastern Oregon University and ODS Companies, OIT offers an 18 month associate degree program in La Grande, Oregon. An opportunity to complete OIT's Dental Hygiene Bachelor Degree completion online program is offered upon graduation from the associate degree program.

For further information about these programs, please go to: www.oit.edu/dentalhygiene

OREGON INSTITUTE OF TECHNOLOGY
DENTAL HYGIENE DEPARTMENT

3201 Campus Drive
Klamath Falls, OR 97601-8801

MINIMUM ADMISSION ELIGIBILITY
FALL 2010

To be eligible for admission into the Dental Hygiene Department the following minimum eligibility requirements must be met:

1. **OIT Application for Admission:** Applicants must have on file with the OIT Office of Admissions an official application for admission to OIT. Admission to OIT is independent of admission to the Dental Hygiene Program. All candidates who are accepted to OIT will receive notification from the Office of Admissions declaring a pre-dental hygiene major. To apply to OIT, complete the Application for Admission along with the application fee and submit it to the Admissions Office. You may apply online at www.oit.edu/apply .

2. **Pre-requisite course completion:** Applicants must have successfully completed or be in progress of completing all freshmen pre-dental hygiene courses. Note: Completion of Introduction to Dental Hygiene (DH 100 and DH 101 on campus or DHE 100 online) is required by the end of spring term. All other prerequisite (freshman) courses must be completed by the end of summer term 2010.

3. **GPA:** Applicants must have a minimum cumulative 2.50 GPA in previous college work.

DENTAL HYGIENE PROGRAM ADMISSION PROCEDURES

In addition to the above minimum admission eligibility requirements you must submit a complete application package that include the items listed below to the Dental Hygiene Department. Mail your application packet to: Dental Hygiene Department, Oregon Institute of Technology, 3201 Campus Drive, Klamath Falls, OR 97601-8801. All application materials must be received by April 1. Incomplete applications or applications received after April 1st will not be considered. Application packages may be accessed under 'admissions' at: http://www.oit.edu/dentalhygiene
The following must be included in your application package:

1. ***Dental Hygiene Department Application for Admission***
   Consideration will be given to applicants who have followed instructions for completing the application and for neatness and legibility.

2. ***Consent to Mandatory Treatment Requirements***
   Read "Provision and Receipt of Dental Hygiene Services" and complete the Consent to Mandatory Treatment Requirements form.

3. ***College Transcripts***
   All applicants, **including OIT students**, must forward official transcripts directly to the **Dental Hygiene Department**. Winter term grades must be included on the transcript. Applicants enrolled in semester courses must send mid-semester grade reports.

4. ***Personal Essay***
   Complete your responses to the personal essay questions.

5. ***Application Evaluation Fee***
   A fifty dollar non-refundable fee in the form of a check made payable to Oregon Institute of Technology.

Important: Send **only** the information listed 1-5. Any additional information such as personal references, photos, resumes, certificates, etc., WILL NOT be considered and will be discarded.

CRITERIA FOR ACCEPTANCE

Applicants who meet minimum eligibility and submit a complete application package will be considered for admission to the Dental Hygiene Program.

Student applicants are ranked according to the following criteria:

- Cumulative GPA
- Science and math GPA
- Transcript review
- Personal essay score
- Personal and group interviews (La Grande program only)

Additional criteria that may be considered include:

- Completion of courses beyond the prerequisites
- Previous alternate status
- In the case of a tie, consideration will be given to current Oregon Institute of Technology or Eastern Oregon University students

The highest ranked 40 students are accepted into the program **or** placed on alternate status in the following order:

1. The highest ranked 16 students are accepted into the program.
2. The next 24 students are placed in the lottery and 10 are chosen for acceptance.
3. Remaining applicants will be placed on either an alternate status list or encouraged to reapply next year.

Final acceptance of all students is contingent upon the following:

1. Successful completion of any prerequisite courses in progress at the time of application.
2. Completed background check. Instructions for obtaining this will be provided to you.

OREGON INSTITUTE OF TECHNOLOGY
DENTAL HYGIENE DEPARTMENT

3201 Campus Drive
Klamath Falls, OR 97601-8801

APPLICATION FOR ADMISSION TO THE DENTAL HYGIENE PROGRAM
FALL 2010

Complete the application by providing the information requested. Please type or print neatly. Applications that are not complete or are submitted with errors will not be reviewed.

Applicant Information

Last First MI Date Last 4 digits of SSN

Current Address_____
Number and Street City State Zip Code

Summer Address_____
Number and Street City State Zip Code

OIT School Identification Number (if applicable) _____

Home Phone ( ) _____ - _____ Cell Phone ( ) _____ - _____

E-Mail _____ Birth date _____/_____
month day

Program you are applying for: ☐ Bachelor degree program in Klamath Falls

☐ Associate degree program in La Grande

☐ Both

Have you previously applied to the program? _____ In what year? _____

Education Information

Name of College Or University	Date of Attendance	Degree earned or Anticipated	Cumulative GPA

Course Information

List your prerequisite course information below as it appears on your transcript. **Transfer students** *must* include the Course Number, Course Title, name of College, Semester or Quarter Credits, and Term/Year the course was taken. Courses must be equivalent in content and credits to be accepted. Refer to the enclosed list of course descriptions to help determine transferability. Please note that 1 semester credit is equal to 1.5 quarter credit hours. **OIT students** *must* indicate Grade and Term/Year *only* for those courses completed at OIT. **All applicants** should indicate In Progress (IP) in the grade column for courses currently enrolled in. For courses not yet completed or in progress, indicate the Term/Year you plan to enroll.

Prerequisite Courses

OIT Courses			**Transfer Courses**						
COURSE	TITLE	CR	COURSE	TITLE	COLLEGE or UNIVERSITY	SEM/ QTR	CR	GRADE	TERM/ YEAR
BIO 231	Human Anatomy and Physiology I	4							
BIO 232	Human Anatomy and Physiology II	4							
BIO 233	Human Anatomy and Physiology III	4							
BIO 105 or BIO 234	Microbiology	4							
BIO 200	Medical Terminology	2							
CHE 101/104	Elementary Chemistry w/Lab	4							
CHE 102/105	Elementary Chemistry w/Lab	4							
CHE 103/106	Elementary Chemistry w/Lab	4							
SOC 204	Introduction to Sociology	3							
MATH 111 or MATH 105	College Algebra or Collegiate Mathematics	4							
WRI 121	English Composition	3							
WRI 122	English Composition	3							
SPE 111	Fundamentals of Speech	3							
+ HSC 205 or FN 225	Nutrition	3							
*DH 100	Introduction to Dental Hygiene	1							
*DH 101	Introduction to Dental Hygiene II	1							

+ Nutrition required for La Grande program only
* DHE 100 (Intro to Dental Hygiene) (2 credits) substitutes for DH 100/101; available online from the OIT DE Department

Personal Essay

Please respond to the five questions below and limit your answers to 100 words per question.

What three positive qualities do you have that contribute to your success as a student?

Please provide three examples of when you have demonstrated character at home, school or work.

What motivates you to put forth your greatest effort? Describe a situation in which you did so.

What does it mean to you to be responsible for your own learning?

If you are not accepted into the program, what are your plans?

BACHELOR OF SCIENCE IN DENTAL HYGIENE
CURRICULUM (Klamath Falls Campus)

BACHELOR DEGREE

Freshman Year/Pre-dental Hygiene

			Term Hours F	W	S
BIO	231	Human Anatomy & Physiology……..	4		
CHE	101	Elementary Chemistry……	3		
CHE	104	Elementary Chemistry Lab……..	1		
MATH	111	College Algebra ……	4		
DH	100	Introduction to Dental Hygiene I……	1		
BIO	200	Medical Terminology……..	2		
BIO	232	Human Anatomy & Physiology…….		4	
CHE	102	Elementary Chemistry……		3	
CHE	105	Elementary Chemistry Lab I…….		1	
BIO	105	Microbiology…….		4	
DH	101	Introduction to Dental Hygiene II…….		1	
WRI	121	English Composition…….		3	
BIO	233	Human Anatomy & Physiology……			4
CHE	103	Elementary Chemistry……..			3
CHE	106	Elementary Chemistry Lab……			1
SPE	111	Speech……			3
SOC	204	Sociology……..…….			3
WRI	122	English Composition……			3
			15	16	17

PROFESSIONAL COURSES

Sophomore Year

			Term Hours F	W	S
DH	221	Dental Hygiene Clinical Practice & Seminar I...…….	4		
DH	226	Head & Neck Anatomy ……...	2		
DH	240	Prevention I.……	3		
DH	275	Ethics ……..…….	1		
SPE	321	Small Group and Team Communication……..	3		
CHE	210	Clinical Pharmacology……	3		
DH	222	Dental Hygiene Clinical Practice & Seminar II……		4	
DH	237	Oral Histology & Embryology……..		2	
DH	244	General & Oral Pathology…….		3	
DH	241	Prevention II……...		3	
DH	252	Oral Radiology I……		3	
DH	366	Dental Anatomy…….		3	
DH	223	Dental Hygiene Clinical Practice & Seminar III…….....			3
DH	254	Introduction to Periodontology…….			1
DH	267	Emergency Procedures……..			3
DH	242	Prevention III…….			3
DH	253	Oral Radiology II……..			2
DH	380	Community Dental Health I……..			2
PSY		Psychology Elective……			3
			16	18	18

PROFESSIONAL COURSES

Junior Year

			Term Hours F	W	S
DH	321	Dental Hygiene Clinical Practice & Seminar IV…..…….	3		
DH	354	Periodontology……	3		
DH	340	Prevention IV…….…….	3		
DH	381	Community Dental Health II……..	2		
PSY	301	Counseling Techniques……..	4		
DH	322	Dental Hygiene Clinical Practice & Seminar V…….		3	
DH	341	Prevention V……..		3	
DH	382	Community Dental Health III…….....		2	
DH	351	Pain Management I…….……..		2	
HUM		Humanities Elective……..		3	
WRI	227	Technical Report Writing…….		3	
DH	323	Dental Hygiene Clinical Practice & Seminar VI……			6
DH	344	Advanced General and Oral Pathology……..……			3
DH	383	Community Dental Health VI..……..			1
DH	352	Pain Management II……			3
DH	363	Dental Materials I……..…….			3
DH	370	International Externship (optional)…….			1
			15	15	16/17

PROFESSIONAL COURSES

Senior Year

			Term Hours SU	F	W
DH	421	Dental Hygiene Clinical Practice & Seminar VII....…….	4		
DH	461	Restorative Dentistry I…….……..	2		
DH	475	Dental Hygiene Research Methods I…….	2		
MATH	243	Introductory Statistics……	4		
BUS	331	Personal Finance……	3		
DH	371	International Externship (optional)……	1		
DH	422	Dental Hygiene Clinical Practice & Seminar VII……..		5	
DH	476	Dental Hygiene Research Methods II…….		2	
DH	462	Restorative Dentistry II (optional)……		2	
DH	430	Board Review (optional)……..		2	
AHED	450	Instructional Methods……..		3	
HUM		Humanities Elective…….		3	
COM		Communications Elective…….		3	
DH	372	International Externship (optional)……..		1	
DH	423	Dental Hygiene Clinical Practice & Seminar IX…….....			5
DH	477	Dental Hygiene Research Methods III……..			2
DH	454	Practice Management…….……			3
DH	463	Restorative Dentistry III…….			2
		Humanities Elective…….……...			3
PSY		Psychology Elective……			3
			15/16	16/21	18

Graduation Requirements
The Bachelor of Science in Dental Hygiene degree requires 195 term hours as prescribed in the curriculum outline. Students must meet minimum competency in dental hygiene courses and be in good standing within the Dental Hygiene program.

ASSOCIATE OF APPLIED SCIENCE IN DENTAL HYGIENE
CURRICULUM (La Grande campus)

ASSOCIATE DEGREE

Freshman Year/Pre-dental Hygiene

			Term Hours F	W	S
BIO	231	Human Anatomy & Physiology…….	4		
CHE	101	Elementary Chemistry……	3		
CHE	104	Elementary Chemistry Lab……..	1		
MATH	111	College Algebra OR Math 105 College Mathematics……	4		
DHE	100	Introduction to Dental Hygiene I……	2		
BIO	200	Medical Terminology……...	2		
BIO	232	Human Anatomy & Physiology…….		4	
CHE	102	Elementary Chemistry……		3	
CHE	105	Elementary Chemistry Lab I……...		1	
BIO	105	Microbiology……...		4	
SPE	111	Speech……		3	
WRI	121	English Composition……...		3	
BIO	233	Human Anatomy & Physiology…….			4
CHE	103	Elementary Chemistry……			3
CHE	106	Elementary Chemistry Lab……..			1
HSC	205	Nutrition…….			3
WRI	122	English Composition……...			3
SOC	204	Intro to Sociology……..…….			3
			17	18	17

PROFESSIONAL COURSES

Sophomore Year

			Term Hours F	W	S
DHE	211	Principles of Dental Hygiene I…….	4		
DHE	221	Dental Hygiene Clinical Practice I……...	2		
DHE	205	Oral & Dental Anatomy..…….	3		
DHE	252	Oral Radiology I……..….	3		
SPE	321	Small Group & Team Communication……	3		
CHE	210	Clinical Pharmacology……..…	3		
DHE	212	Principles of Dental Hygiene II……		3	
DHE	222	Dental Hygiene Clinical Practice II…….		4	
DHE	227	General Pathology……		3	
DHE	253	Oral Radiology II……...		2	
DHE	282	Medical/Dental Emergencies……		3	
DHE	275	Dental Ethics…….		2	
DHE	213	Principles of Dental Hygiene III ……..….			3
DHE	223	Dental Hygiene Clinical Practice III…….			3
DHE	233	Periodontology……...			3
DHE	261	Dental Health Education……			3
DHE	273	Oral Pathology……...			4
			18	17	17

PROFESSIONAL COURSES

Junior Year

			Term Hours Su	F	W
DHE	311	Principles of Dental Hygiene IV……..…….	3		
DHE	321	Dental Hygiene Clinical Practice IV.……	4		
DHE	333	Prevention IV…….…….	3		
DHE	351	Dental Analgesia……..……..	3		
DHE	380	Oral Health Planning & Care I……...	3		
DHE	312	Principles of Dental Hygiene V…….		3	
DHE	322	Dental Hygiene Clinical Practice IV ……		4	
DHE	320	Dental Materials & Chairside Assisting..……..		3	
DHE	381	Oral Health Planning & Care II..……..		4	
PSY	----	Psychology Elective……..……		3	
DHE	313	Principles of Dental Hygiene VI……			4
DHE	323	Dental Hygiene Clinical Practice VI……..……			5
PSY	----	Psychology Elective…...……			3
HUM	----	Humanities Elective……			3
WRI 227		Technical Report Writing or WR 320……			3
			16	17	18

BACHELOR OF SCIENCE IN DENTAL HYGIENE
BS Degree Completion Outreach Program

Following completion of the AAS degree from an accredited dental hygiene program, students may continue with their studies in the OIT BSDH degree program. The degree may be completed online through OIT's web-based distance-learning program.

COURSE DESCRIPTIONS 2009-2010 CATALOG

FRESHMAN (PRE-DENTAL HYGIENE) YEAR

BIO 105 Microbiology (4 credits)
Classification, morphology, reproduction, transmission, and control of micro-organisms causing disease in man. Laboratory practice in culturing methods, microscopic observation, and physical and chemical control.

BIO 200 Medical Terminology (2 credits)
Basic structure of medical works including prefixes, suffixes, roots and combining forms. Correct spelling, pronunciation and meaning oterms are stressed.

BIO 231 Human Anatomy and Physiology I (4 credits)
Introduction to the systematic study of human anatomy and physiology. Introduction to cytology and histology followed by the integumentary, skeletal, muscular, and endocrine systems and the physiology of excitable tissues. The laboratory sessions emphasize human anatomy using human models and cadavers.

BIO 232 Human Anatomy and Physiology II (4 credits)
A continuation of the systematic study of human anatomy and physiology. The nervous, endocrine, cardiovascular, immune, and respiratory systems are studied. The laboratory sessions emphasize human anatomy using models and human cadavers. Dissections and physiological experiments are conducted
Prerequisite: BIO 231 with grade "C" or better

BIO 233 Human Anatomy and Physiology III (4 credits)
Conclusion of the sequence in human anatomy and physiology. Digestive, renal, and reproductive systems are examined. Metabolism, human genetics and development are also studied. Laboratory session emphasize physiological experiments and human anatomy using models and human cadavers.
Prerequisite: BIO 232 with grade "C" or better

CHE 101 Elementary Chemistry (3 credits)
A brief presentation of introductory chemical concepts including atomic structure, the chemical equations, the behavior of gases, the chemistry of solution, and acid-base chemistry. For students with good knowledge of algebra.
Pre- or corequisite: MATH 100
Corequisites: CHE 104 (lab)

CHE 102 Elementary Chemistry (3 credits)
A brief presentation of some major chemistry areas with emphasis on organic chemistry in the second term and biochemistry in the third term. For students with good working knowledge of introductory algebra.
Prerequisite: CHE 101 or instructor consent
Corequisites: CHE 105 (lab)

CHE 103 Elementary Chemistry (3 credits)
A brief presentation of some major chemistry areas with emphasis on organic chemistry in the second term and biochemistry in the third term. For students with good working knowledge of introductory algebra.
Prerequisite: CHE 102 or instructor consent
Corequisites: CHE 106 (lab)

CHE 104 Elementary Chemistry Lab (1 credit)
Lab accompanying class content in CHE 101.
Corequisites: CHE 101

CHE 105 Elementary Chemistry Lab (1 credit)
Lab accompanying class content in CHE 102.
Corequisites: CHE 102

CHE 106 Elementary Chemistry Lab (1 credit)
Lab accompanying class content in CHE 103.
Corequisites: CHE 103

HSC 205 Nutrition (3 credits)
A study of the relationships of food and nutrition to health An overview of the basic nutrition principles including the nutrients and how they function in the body, nutrient requirements, diet planning and energy balance. Current topics and controversies are examined. Pre or co-requisite: CHE 103 or BIO 213 or instructor consent.

Introduction to Dental Hygiene – DH 100 and 101 (1 credit each) **or DHE 100** (2 credits)
Orientation to the theory and practice of all aspects of the dental hygiene profession. The history of dental hygiene, professional organization and career opportunities are discussed. Students will become familiar with dental terminology, infection control, charting, and clinical assessment techniques.

MATH 111 College Algebra (4 credits)
Study of functions including graphs, operations and inverses. Includes polynomial, rational, exponential, logarithmic functions and their applications, and systems of equations.
Prerequisite: MATH 100 with grade "C" or better, or equivalent.

MATH 105 College Mathematics (4 credits)
A variety of modern mathematical topics based on contemporary applications. Topics include combinatorics, probability, statistics, finance, matrices, and logarithmic and exponential functions.
Prerequisite: Intermediate Algebra with grade "C" or better or equivalent.

SPE 111 Fundamentals of Speech (3 credits)
Projects in public speaking with emphasis on content, organization, and speaker adjustments to various situations; dynamics of the speaker-listener interaction; and appropriate language usage. Exercises in listening, criticism, logic, support, and ethics.

WRI 121 English Composition (3 credits)
Focuses on narrative/descriptive and expository writing. Students write essays, edit their own and others' work, develop competence in drafting, composing, organizing, and revising a variety of types of essays.
Prerequisite: Writing ability as demonstrated by SAT/ACT score and or writing sample.

WRI 122 English Composition (3 credits)
Designed to develop skills in ethical argument, research, and critical thinking. Multi-page papers, including an argumentative research paper, required. Students draft, compose, organize, and revise with focus on audience, effective style, and overall rhetorical effect.
Prerequisite: WRI 121 with grade "C" or better.

SOC 204 Introduction to Sociology (3 credits)
Survey of human relationships and interaction of organized groups and institutions in modern society. Emphasis on attitudes, values, beliefs, customs, and change within our complex social structure.

SOPHOMORE/JUNIOR/SENIOR YEARS (General Education Courses)

BUS 331 Personal Finance (3 credits)
Introduction to the basic principles of personal financial planning and budgeting. Includes banking services, consumer credit, asset purchases, insurance, and the fundamentals of investments and retirement planning.

CHE 210 Clinical Pharmacology (3 credits)
The drug action of selected pharmaceuticals. Emphasis is placed on drug interactions, routes of administration, and effects on body systems.
Prerequisites: BIO 231, BIO 232

Communications Elective (3 credits)
Three credits, choose from: WRI 214, 327, 328, 350 or 410

Humanities Elective (6 credits)
Six credits selected by the student or specified by a major department from the following: ART-Art; ENG-Literature; HUM-Humanities; MUS-Music; PHIL-Philosophy; Languages (second year); COM 205*, COM 320*. Other transfer courses defined as "humanities" by the Registrar's Office may be used in this category. No more that three credits of activity or performance-based courses may be used in this category.

* COM 205 and COM 320 may **not** be used to satisfy both Communication and Humanities credits.

MATH 243 Introductory Statistics (4 credits)
Descriptive statistics, numerical and graphical presentation of data, estimation and margin of error, hypothesis testing, correlation; interpretation of statistical results. Cannot be taken for graduation credit by students who have taken MATH 361.
Prerequisite: MATH 100 or instructor's consent.

SPE 321 Small Group and Team Communication (3 credits)
Introduction and experience in decision making through group processes with objectives of developing competent discussion leaders and participants. Participation in and evaluation of a variety of group communication exercises.
Prerequisite: SPE 111

WRI 227 Technical Report Writing (3 credits)
Practice in techniques of gathering, organizing and presenting technical information. Technical reports derived from realistic situations found in the student's major will be written.
Prerequisite: WRI 122 / Pre- or corequisite: SPE 111

WRI 123 English Composition (3 credits)
The formal research paper. Designed primarily for students in college transfer program but may be taken as an elective by students in any curriculum.
Prerequisite: WRI 122 / Pre- or corequisite: SPE 111

ESSENTIAL FUNCTIONS

In order to be admitted to or continue in the Dental Hygiene Program a student must possess skills and abilities essential to perform as a dental hygienist. Students are required to perform dental hygiene services for patients in the clinical setting. The department has the responsibility of ensuring the safety of the patients including completion of treatment within an acceptable amount of time. With these considerations a dental hygiene student/candidate must be able to meet the following essential functions:

Physical Skills

Sit or stand; bend and reach while performing clinical procedures. Function in a structured environment for several hours. Demonstrate hand/eye coordination, manual dexterity and tactile sensitivity necessary to manipulate a variety of instruments, materials and equipment. Perform cardiopulmonary resuscitation and assist in emergency situations.

Sensory Skills

Read charts, records, small print, typed and handwritten notes. See with measurable depth perception and in low-light conditions. Distinguish color variations and discern shades of black and white. Hear and understand verbal directions. Discern sounds related to patient assessment and treatment. Distinguish smells of various drugs, solutions and materials used in health care settings. Feel subtle differences in surface textures. Recognize changes in patient status.

Cognitive Skills

Comprehend, analyze and synthesize complex science and clinical findings. Apply prior learning to new situations. Concentrate on task at hand amidst a variety of environmental distractions. Interpret patient findings, recognize anomalies and make decisions which affect patient care. Use personal computers to complete assignments.

Communication Skills

Speak and write clearly. Provide patients with clear instructions appropriate for their level of understanding. Write clear and legible chart notes. Organize thoughts and ideas into written essays and research papers.

Interpersonal Skills

Interact with individuals, small groups, and large audiences. Establish sufficient rapport and maintain appropriate boundaries in order to effectively relate to patients, colleagues, faculty and staff. Demonstrate concern and empathy for a diverse variety of patients. Address problems or questions to the appropriate person at the appropriate time.

Professional Skills

Present a professional appearance and maintain personal health. Maintain composure during stressful situations. Work both independently and as a team member. Organize tasks, set priorities and manage projects. Maintain accuracy and confidentiality of patient records. Comply with established policies, procedures, infection control standards, OIT student student conduct code, ADHA code of ethics and the class code of conduct. Provide care to all patients regardless of age, race, ethnic origin, physical or mental status or other condition.

PROVISION AND RECEIPT OF DENTAL HYGIENE SERVICES

During the course of the dental hygiene curriculum, you may be required to serve as a patient for a fellow student (or faculty member). The primary purpose for the delivery of diagnostic, nontherapeutic, or therapeutic services to students by student colleagues (or faculty) is to provide initial clinical encounters that support the clinician's early skill development.

Procedures Dental Hygiene students may be required to receive include, but are not limited to, examination of the head, neck, and oral cavity; comprehensive periodontal examination; occlusal evaluation; radiographic examination; and caries risk assessment. Therapeutic services may include periodontal debridement; sealants; fluoride therapy; amalgam polishing; and overhang removal. Nontherapeutic services include vital tooth bleaching, administration of local anesthetic, and nitrous oxide sedation.

In order for services to be provided to you in a safe manner, it is necessary that you complete a current health history. Health history information is to be used for treatment delivery only. Access to student treatment records for purposes other than health care delivery is unauthorized.

A description of services as well as the risks and benefits are included in this packet. There may be further risk, given the clinician is a student learning to provide the service.

Please read the description of each service and the benefits and risks associated with each. If you agree to consent to these services (mandatory treatment requirements), sign the informed consent and return it with your dental hygiene application.

DESCRIPTION, BENEFITS, AND RISKS OF DIAGNOSTIC, THERAPEUTIC, AND NONTHERAPEUTIC SERVICES

DENTAL RADIOGRAPHS are negatives of dental structures, similar to photograph negatives, produced by x-rays. Used as a diagnostic tool, they allow the dental professional to detect disease and/or abnormalities such as cavities, cysts, abscesses, or unerupted teeth which otherwise would not be discovered. Radiographs are taken by placing a small film in the mouth, directing the x-ray tube toward the film and teeth, and making the exposure. Radiographs may also be taken with film placed outside the mouth.

Possible Risks:

* X-rays create changes in cells. The cells most sensitive to x-rays are red blood cells, white blood cells, and immature reproductive cells.
* Cell repair occurs following exposure to radiation and the majority of damage is repaired.
* Damage to tissue functions is considered negligible at low doses, i.e., dental exposures.
* Everything possible is done to keep the amount of radiation as low as reasonably achievable (ALARA). Safety procedures include (1) minimal exposure techniques, (2) collimators, (3) long open-ended lead-lined "cones," (4) aluminum filtration, (5) accurate exposure timers, (6) film holding devices, (7) thyroid collars, and (8) leaded torso aprons.

FLUORIDE provides the most effective method for dental caries prevention and control. Fluoride can be delivered to the tooth both systematically (by entry into the blood supply of the developing tooth) and topically (by direct contact of exposed tooth surfaces).

SYSTEMIC FLUORIDE is ingested typically via the community water supply or by dietary supplements. These methods have been shown to decrease caries by 50 to 60%.

TOPICAL FLUORIDE is applied directly to the surfaces of the teeth by means of fluoride rinses, toothpastes, gels, or professionally applied fluoride. Many research studies show that application of topical fluoride may reduce caries by 30%.

Possible Risks:

* Adverse effects including staining, etching, or dulling of porcelain or composite resin.
* Acute fluoride toxicity. The signs of acute fluoride toxicity are nausea, vomiting, hypersalivation, abdominal pain, and diarrhea.
* Chronic fluoride toxicity can cause dental fluorosis, skeletal fluorosis, kidney damage.

SEALANTS are a clear acrylic material placed in the deep grooves of the biting surfaces of permanent teeth where no cavities are present. It acts as a physical barrier to prevent bacteria from collecting in the grooves and creating the acid environment essential to the formation of cavities.

Possible Risks:

* Excess sealant material in the deep grooves of the biting surface may cause teeth to come together prematurely. If this occurs, it will usually resolve itself through normal wear. However, if it does not resolve, it may lead to temporomandibular joint pain.
* If sensitivity develops, it may require another appointment to have the sealant reshaped.
* Some patients may be sensitive/allergic to the acrylic material.
* Sealants must be checked for retention at least every six months.

ORAL IRRIGATION is used to disrupt and destroy harmful bacteria from the spaces between teeth and gums. An instrument like a probe is used and the area is flooded with a bacterial killing solution. The use of oral irrigation as an adjunct to other periodontal therapeutics can slow the progression of periodontal disease.

Possible Risks:

* Allergic reaction to solutions used may occur. This is very rare.
* Those who have susceptibility for developing infective endocarditis, periodontal abscess, or ANUG should not have this procedure performed.

AMALGAM POLISHING places a high shine or luster on the surface of a restoration. The procedure uses pumice that is available in a variety of particle sizes. Polishing can also be achieved with abrasive impregnated cups and points. The abrasiveness is used in descending order to achieve the shiny, smooth surface. Amalgam polishing increases resistance to corrosion and tarnish. This provides opportunity for the restoration to remain effective for a longer period of time.

Possible Risks:

* Excessive heat from pressure and speed exerted by rotary instruments can be harmful to amalgam. Heat production can be minimized by using moderate speed, intermittent moderate pressure, and wet abrasive agents.

MARGINATION involves the removal of excess restorative material in order to more nearly match the natural contours of the tooth. The excess material is removed and the area smoothed and polished. The area will be easier to maintain so fewer bacteria should accumulate in that area. This should result in less inflammation in the area and should help prevent more serious gum problems. Because many factors influence the development and progression of gum disease, there can be no absolute guarantee of future gum health.

Possible Risks:

* Sensitivity to hot, cold, sweets, and acidic foods. This is usually temporary.
* Tissue trauma leading to temporary bleeding and inflammation.

ROUTINE DEBRIDEMENT provides the opportunity to promote a healthy oral environment. Hard and soft deposits surrounding tooth surfaces are removed allowing the gingiva to adhere to the tooth.

Possible Risks:

* Sensitivity to hot, cold, sweets, and acidic foods. This is usually temporary.
* Tissue trauma leading to temporary bleeding and inflammation.
* If treatment is not administered you may develop bleeding when brushing and flossing, gum inflammation and sensitivity, bad breath, periodontal disease.
* Halitosis.

THERAPEUTIC DEBRIDEMENT involves the removal of hard deposits, soft deposits, and infectious fluids surrounding the root surfaces of the teeth. Local anesthesia may be used to prevent any discomfort during the process.

Possible Risks:

* Sensitivity to hot, cold, sweets, and acid foods. This is usually temporary and gradually improves over a period of days or weeks.
* An abscess may form in any areas of infection. This is very rare.
* If treatment is not administered it may lead to advanced periodontal disease and tooth loss.

LOCAL ANESTHESIA numbs or causes temporary loss of sensation in the affected area. Local anesthetic is administered by injection. The administration of local anesthesia will reduce or eliminate possible discomfort or bleeding during treatment.

Possible Risks:

* Allergic reaction
* Hematoma (bruising)--slight needle puncture of a blood vessel during an injection.
* Persistent anesthesia--a feeling of numbness for many hours or days following anesthetic injection.
* Trismus--muscle soreness and limited, difficult opening of the mouth.
* A needle could break off in the tissue.
* Drug interactions: Example--recent cocaine usage with some types of anesthesia can raise blood pressure dramatically, can be damaging to the heart, and can be fatal.

NITROUS OXIDE AND OXYGEN SEDATION is a conscious inhalation sedation method that is used in about 45% of the dental offices and clinics in the United States today. For most people nitrous oxide sedation produces a relaxed and comforting feeling.

Possible Risks:

If you have any of the following conditions you should not receive nitrous oxide.

* Recent myocardial infarction
* Emphysema
* Chronic bronchitis
* Middle ear problem
* Pregnancy
* Nasal obstruction resulting from an upper respiratory infection or cold
* Recovering from a chemical dependency

RUBBER DAM PLACEMENT prevents the swallowing or inhaling of dental materials used for prevention and restoration and provides a dry field.

Possible Risks:

- Allergic reaction
- Discomfort
- Tissue trauma

CONSENT TO MANDATORY TREATMENT REQUIREMENTS

I have read the description for each diagnostic, therapeutic, and nontherapeutic service. I understand the purpose of my receiving such care is primarily to provide clinical encounters necessary for skill development of the clinician and secondarily to provide an educational benefit to the student-patient.

I further understand the inherent risks and benefits of each procedure.

I also understand it will be necessary for me to provide a current health history to the student and faculty directly involved in the provision of these services. The decision to provide services will be based upon my health history information and will be kept confidential.

I understand all of the above and agree to the mandatory treatment requirements.

_____

Name (print or type)

_____ _____

Signature Date