

2022 4th Term Dental School		Jpn / Eng English
歯周病態診断・治療学 Periodontology and Periodontics		
Course No.	Classification	Term
076052		4th Term
Numbering code	Classroom	
NDGI0DEDZ4002N	総診棟地下大講義室 講義室 1)	
Required / Elective		
Required		
Number of credits	Day & Period	
1	Tue.2,Tue.3	
Instructor(s)		
高柴 正悟 [TAKASHIBA Shogo], 山本 直史 [YAMAMOTO Tadashi], 大森 一弘 [OMORI Kazuhiro], 信田 有希 [SHINODA Yuki], 池田 淳史 [IKEDA Atsushi], 井手口 英隆 [IDEUCHI Hidetaka]		

Sustainable Development Goals (SDGs)



Target students

Open to other faculties

No

Contact information

Professor Shogo Takashiba

Department of Pathophysiology - Periodontal Science

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Office hours

Office is open for students; 8:30 - 9:00 Monday, 17:00 - 17:30 Tuesday, and 8:30 - 9:00 Thursday at the office of Professor in Department of Pathophysiology - Periodontal Science located on the 7th Floor of Dental School Building

It is strongly recommended to send e-mail at least a day before you come, because the schedule may be changed

Use the official e-mail address provided by Okayama University, or your e-mail may be classified as junk/spam mail automatically.

For more information, please contact the person in charge occasionally.

Faculty, Program, or Graduate School specific items

Dental Education Model ・ Core ・ Curriculum (revised edition of 2016)

A Basic qualities and abilities required of a dentist

A-3 Medical skills and patient care

A-5 Team medical practice

A-5-1) Patient-centered team medicine

A-6 Medical quality and safety management

A-6-2) Countermeasures against medical accidents and prevention

A-8 Scientific inquiry

A-8-1) Oriented Recharge for Medical Research (Recharge of Research Mind)

A-9 Posture to Learning together

A-9-1) Preparation for lifelong learning

C Life science

C-4 infection and immunity

C-4-1) Infection

C-4-2) Immunization
 C-5 Etiology and pathology
 C-5-3) Repair and regeneration
 C-5-5) Inflammation
 D Dental medical equipment (dental materials, instruments, instruments)
 D-1 Properties and applications of dental medical equipment (dental materials, instruments, instruments)
 D-2 Dental material type, application, composition / composition, characteristics, operation method
 E Clinical dentistry
 E-1 Basics of medical treatment
 E-1-1) Basics of Examination
 E-1-2) Diagnosis using image inspection
 E-1-3) Clinical examination
 E-3 Normal condition and disease of teeth and periodontal tissue
 E-3-1) Generation and structure and function of teeth and periodontal tissue
 E-3-2) Characteristics and pathogenesis of tooth and periodontal tissue disease
 E-3-3) Diagnosis and treatment of diseases of teeth and periodontal tissue
 E-6 Medical knowledge necessary to collaborate with doctors

Language

Japanese or English depending on the students

Course description

We describe the pathology of limbic periodontal disease based on biological basis and teach the etiology, diagnosis, treatment, and prevention methods of these diseases.

Learning objectives

GLO: To understand the protocol for etiology, examination, diagnosis, treatment and prevention of periodontitis in order to treat the patients based on appropriate diagnosis

Learning outcomes

SBOs:

1. To have the ability to explain the component of periodontal tissue and periodontal cells
2. To have the ability to explain the mechanism of destruction of periodontal tissue and wound healing after periodontal therapy
3. To have the ability to explain the host and parasite factors, affecting the pathology of periodontal lesion
4. To have the ability to explain the classification of periodontal disease, and the tendency of each disease
5. To have the ability to explain the pathology of periodontal and endodontic lesion from the point of the balanced interaction bacterial infection and host defense
6. To have the ability to explain the method of examination, diagnosis, and treatment for periodontal diseases
7. To have the ability to diagnose the case based on clinical data and radiographic data
8. To have the ability to make the treatment plan based on the diagnosis
9. To have the ability to perform treatment based on each diagnosis in every case 10.To have interest in advanced treatment and diagnostic method

Course schedule

1st December 6

Period 2 & 3: Introduction (History of Periodontal Disease, Development of Periodontal Disease)

Professor Takashiba

2nd December 13

Period 2 & 3: Diagnosis of Periodontal Disease (Conventional and Up-coming Diagnosis)

Senior Assistant Prof. Omori

3rd December 20

Period 2 & 3: From Pathophysiology of Periodontal Disease to Treatment of Periodontal Disease (Planing and Goal of Periodontal Treatment, Emergency Treatment and Periodontal Basic Treatment)

Assistant Prof. Ito (Shinoda)

4th January 10

Period 2 & 3: Periodontal Surgical Treatment (Basic Surgical Procedure, Resection Therapy)

Associate Prof. Yamamoto

5th January 17

Period 2 & 3: Periodontal Surgery (Regenerative Therapy, Periodontal Surgery)

Assistant Prof. Ideguchi

6th January 24

Period 2 & 3: Treatment Of Periodontal Disease (Root Furcation Lesion, Endodontic-Periodontal Lesion, Rehabilitation of Oral Function)

Assistant Prof. Ikeda

7th January 31

Period 2: Periodontal Disease Treatment (Maintenance & SPT)

Assistant Prof. Hirai

Period 3: Special Periodontal Disease (Gum Growth, Necrotizing Ulcerative Periodontitis, Hereditary & Familial)

Senior Assistant Prof. Omori

8th February 7

Period 3: Examination: To summarize "Periodontology" (Questions from Prof. Takashi)

Professor Takashiba

Period 3: Examination: Summarize "Periodontology" (Questions from other faculties)

Professor Takashiba

■ Learning activities outside of classroom

You should have sense/motivation for improve yourself by studying even though you do not have preliminary knowledge. It is important to always think about collaboration with basic subjects and other subjects.

■ Teaching format

Teaching format-a ratio of [Lecture] to [Not lecture] in this class

90% : 10%

Active learning-Collaborative activities

pair/group work, discussions, and presentations

Rarely

Active learning-Teacher-student interaction

Rarely

Active learning-Thinking activities (critical thinking, making a research question)

Occasionally

Active learning-Reflections(exercises, quizzes, reports)

Very often

Teaching format-Practical training

Not applicable

Teaching format-Message to the students

Printed materials (handouts), slides, videos, internet will be used at lecturer's demand.

Must watch the movies and read files in the following link.

<http://www.cc.okayama-u.ac.jp/~perio/bind21/lectures.html>

■ Equipment

Used-Audiovisual media (PowerPoint, CD, DVD)

Very often

Used-Study management system (Moodle)

Rarely

Used-Support (Guest speakers, TA, Volunteers)

Rarely

Used-Message to the students

Visual teaching materials using PowerPoint etc.
Students use ICT equipment to collect data (from HP in our department).

Textbook(s)

Note

We recommend taking a look of files "Periodontology and Periodontics" in our HP (<http://www.cc.okayama-u.ac.jp/~perio/bind21/lectures.html>) as self-preparations in advance.

We will dictate the textbook during the lecture.

(http://www.perio.jp/publication/upload_file/guideline_periodontology.pdf) (http://www.perio.jp/publication/upload_file/guideline_perio_plan_2008.pdf)
(http://www.perio.jp/publication/upload_file/guideline_implant.pdf) (http://www.perio.jp/publication/upload_file/guideline_antimicrobial_therapy.pdf)
(http://www.perio.jp/publication/upload_file/guideline_diabetes.pdf) (http://www.perio.jp/publication/upload_file/guideline_hotetsu.pdf)

Glossary of Periodontal Terms 2013(<http://www.perio.jp/publication/glossary.shtml>)

Reference material

Note

We will dictate during the lecture, and distribute the brochures.

We recommend searching references using library and internet appropriately.

Grading

Evaluated by each lecturer on the basis of report (20%) and examination (80%).

It is mandatory to submit report on each lecture.

Written examination is mandatory.

Prerequisites

Mandatory for Dental students

Part of Teacher Training Program

Not applicable

Relation to JABEE

Not related

Sustainable Development Goals (SDGs)

(Good Health and Well-being)Good Health and Well-being

Professional Faculty

Applicable

All faculty members have practical experience in periodontal disease treatment. We are conducting research and clinical practice in periodontology and periodontology.

Other comments

Our faculty member are in charge for each lecture.

This lecture has a translational role between basic and clinic to understand subsequent lectures, "Periodontology and Periodontics".

All faculty are dentists, and they have experience in clinical dental practice.

Learner-centered outcomes (LCOs)

Learner Centered Outcomes (LCOs)	Related core competencies	Evaluation method
Ability to apply knowledge of life sciences to dentistry.	Basic Knowledge of Humanities, Society, and Nature	Discussion, Report, Written examination
Ability to plan and execute basic prevention and treatment of various dental disorders.	Critical Thinking Skills	Discussion, Report, Written examination
Ability to conduct and participate in global discussions of dental medicine.	Intercultural Skills	Discussion, Report, Written examination
Ability to identify and solve problems related to the field of dentistry using a scientific approach.	Problem-solving Skills	Discussion, Report, Written examination

* [Explanation of core competencies](#)