



Course Description

Course No.	076049
Course Title	Oral Infection and Immunology
Instructor(Affiliation)	TAKASHIBA Shogo (07:Dental School)
Term	2017 3rd Term
Day / Period	Tue3 , Tue4
Number of credits	1
Classroom	Lecture & Instruction Rooms #1
Numbering Code	NDGZ0DEDZ4003A
Page for print	https://gs.okayama-u.ac.jp/campusweb/campussquare.do?_flowId=SYW4101101-flow&nendo=2017&shozoku=07&jikanwari=6049&sylocale=en_US
Classification	Professional Subjects
Target students	4
Required / elective	Required course
Contact information	Phone: 81-86-235-6675 Facsimile: 81-86-235-6679 E-mail: stakashi@okayama-u.ac.jp
Office hours	17:00 - 18:30 on Tuesday, 8:30 - 10:00 on Thursday (at Department of Pathophysiology - Periodontal Science on the 7th floor at the Dental School Building) Most favorite way is e-mail. Use your official mail address to be recognized. Regarding to each lecture, send your e-mail to each lecturer, including me in cc.
Original item	
Language	Japanese
Course description	This is originally for the undergraduate students at Dental School. This lecture reviews the pathology of periodontal and endodontic lesion based on biological knowledge, and review the protocol of etiology, diagnosis, treatment, and prevention. This lecture also summarizes the effect of local chronic inflammation on systemic disease, and the innovative and interdisciplinary approach to periodontal medicine.
Objectives	GIO: To understand basic biological knowledge of periodontal tissue, and treatment protocol for periodontal and endodontic lesion based on the pathology.
Goals	SBOs: 1. To have the ability to explain both host and parasite factors influencing oral infection disease 2. 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 3. To have the ability to explain the protocol of examination, diagnosis, and treatment for oral infection disease 4. To have the ability to explain the concept of personalized medicine 5. To have the ability to explain the relation between oral infection disease and systemic disease 6. To have the ability to perform scientific interpret based on appropriate references 7. To have the ability to implicate oral infection disease as systemic health
Lesson plans	No. Date Subject Content Professor 1 October 3 Introduction to clinical infection and immunity Translational guidance from basic science to current clinical problems (compromised hosts) Professor Shogo Takashiba 2 October 10 Specific characters of periodontal tissue Anatomical characteristics and existence of general host responses Professor Shogo Takashiba 3 October 17 Host-parasite interactions Causes of tissue destruction Professor Shogo Takashiba 4 October 24 Symbiosis with indigenous bacteria Microflora in oral cavity (mouth) and intestine as gastrointestinal tract Professor Shogo Takashiba 5 November 7 Hospital infection Increase of compromised hosts and drug-resistant bacteria, latent

	<p>spread of infection by dental practice Professor Shogo Takashiba</p> <p>6 November 14 Emerging infection and pandemic infection Systematic investigation of infection cause, outbreak countermeasures Professor Shogo Takashiba</p> <p>7 November 21 Oral biofilm infection Actual condition, affects on systemic health, and countermeasure Professor Shogo Takashiba</p> <p>8 November 28 Exam and summary The first half is for written examination, the second half is for summary of lectures and examination Professor Shogo Takashiba</p>
Information regarding preparation, review and related subjects including assessment description	You should have sense/motivation for improve yourself by studying even though you do not have preliminary knowledge.
Teaching style	Printed materials (handouts), slides, videos, internet will be used at lecturer's demand.
Equipment used	
Textbook	We will dictate the textbook during the lecture. We recommend taking a look of files "Oral Immunology" in our HP (http://www.cc.okayama-u.ac.jp/~perio/bind2/cn11/pg60.html) as self-preparations in advance.
Reference books	We will dictate during the lecture, and distribute the brochures. We recommend searching references using library and internet appropriately.
Academic assessment	It is mandatory to submit report on each lecture. Written examination is mandatory. Evaluated by each lecturer on the basis of participation (10%), report (30%), and examination (60%).
Relation to research activity	In this course, professor will present their research results for undergraduate students with socially accepted words and phases as "showtime".
Prerequisites	Ability and motivation of self-learning Ability to obtain something new and suitable information by yourself Ability of logical statement to explain what you think to others at different generation
Open to other faculties	Yes
Part of Teacher Training Program	Not applicable
Relation to JABEE	Not related
Other comments	This lecture has a translational role between basic and clinic to understand subsequent lectures, "Periodontology and Periodontics", "Endodontology and Endodontics". For evolution of "Periodontal Medicine", and understanding "Oral infection disease", students are intended to think what "Dentistry" is.