

2021 年度 第 3 学期 教養教育		日英区分: 英語
<div> <div></div> <div>口腔感染防御論</div> <div>Oral Infection and Immunology</div> </div>		
■ 講義番号	■ 科目区分	■ 学期
919045	教養教育科目	第 3 学期
■ ナンバリングコード	■ 教室	
NDGZQLAFZ4—N	総診棟地下大講義室 講義室 1)	
■ 必修・選択の別		
選択必修		
■ 単位数	■ 曜日・時限	
1	火 2～3	
■ 担当教員 (ローマ字表記)		
高柴 正悟 [TAKASHIBA Shogo]		

SDGs関連項目



■ 対象学生

All Faculties (Except for Dental School)

■ 他学部学生の履修の可否

対象学生の項目を参照

■ 連絡先

Phone: 086-235-6675

Email: stakashi@okayama-u.ac.jp

■ オフィスアワー

Monday 8:30-9:00, Tuesday 17:00-17:30, Thursday 8:30-9:00 (Okayama University Hospital, Central Clinic, 4th floor, Dept. of Periodontal Science)

Since there are frequent changes, it would be helpful if you contact me by e-mail in advance! (Please use the official mail address of our university. Otherwise, it may be classified as junk mail and I may not be able to respond.)

■ 学部・研究科独自の項目

Not relevant

■ 使用言語

学生により日本語又は英語

■ 授業の概要

Within the general education range below

1. The relationship between oral science and general science is outlined mainly from the viewpoints of infectious diseases, chronic inflammation, and immunological diseases.
2. We teach the concept of "individual medical care" as well as understand the developmental and interdisciplinary thinking of "oral medicine department".

■ 学習目的

In order to achieve a healthy longevity society, it will form a self-sustaining individual who considers and executes what is necessary at the group level from the individual level.

■ 到達目標

Within the general education range below

General Goal (GIO): In order to understand the pathology of oral infection and its effect on the whole body, biological basic knowledge on periodontal tissue and the morbid periodontal disease, the pathology of pulpal disease / apical periodontal disease and treatment based thereon Understand the law.

■ 授業計画

1st October 5th

Introduction to clinical infection and immunity: Translational guidance from basic science to current clinical problems (compromised hosts)

2nd October 12th

11月16日 Specific characters of periodontal tissue; Anatomical characteristics and existence of general host responses

3rd October 19th

11月16日 Host-parasite interactions: Causes of tissue destruction

4th October 26th

11月16日 Symbiosis with indigenous bacteria; Microflora in oral cavity (mouth) and intestine as gastrointestinal tract

5th November 2nd

11月16日 Hospital infection: Increase of compromised hosts and drug-resistant bacteria, latent spread of infection by dental practice

6th November 9th

11月16日 Emerging infection and pandemic infection: Systematic investigation of infection cause, outbreak countermeasures

7th November 16th

11月16日 Oral biofilm infection: Actual condition, affects on systemic health, and countermeasure

8th November 30th

11月16日 Exam and summary: The first half is for written examination, the second half is for summary of lectures and examination

■ 授業時間外の学習(予習・復習)方法(成績評価への反映についても含む)

To see some of the past lecture materials in advance. Access from the following link. Password is ps6675.

Section "Periodontal/Oral Medicine" at <http://www.cc.okayama-u.ac.jp/~perio/bind21/lectures.html>

Actually, Okadai moodle is used, so self-learning before and after is required.

■ 授業形態

(1)授業形態-全授業時間に対する[講義形式]:[講義形式以外]の実施割合

50% : 50%

(2)授業全体中のアクティブ・ラーニング

協働的活動(ペア・グループワーク、ディスカッション、プレゼンテーションなど)

やや少ない

対話的活動(教員からの問いかけ、質疑応答など)

やや少ない

思考活動(クリティカル・シンキングの実行、問いを立てるなど)

やや多い

理解の確認・促進(問題演習、小テスト、小レポート、授業の振り返りなど)

多い

(3)授業形態-実践型科目タイプ

該当しない

(4)授業形態-履修者への連絡事項

Includes preparation and review at HP of our laboratory and moodle.

Actually, Okadai moodle is used, so self-learning before and after is required.

If you need consideration, please consult with your teacher in charge before enrolling

■ 使用メディア・機器・人的支援の活用

視聴覚メディア(PowerPointのスライド、CD、DVDなど)

多い

学習管理システム(Moodleなど)

多い

人的支援(ゲストスピーカー、TA、ボランティアなど)

やや少ない

履修者への連絡事項

Use prints (PDF), slide, video, Internet etc. Of course, ICT too.

There are also the contents by written on white board.

If you need consideration, please consult with your teacher in charge before enrolling

■ 教科書

教科書1	ISBN	9784862270160		
	書名	人は口から老い口で逝く 認知症も肺炎も口腔から		
	著者名	落合邦康		
	出版社	日本プランニングセンター	出版年	2021

備考

Introduce as appropriate during the lecture. In advance, prepare the materials of "Oral Infection and Immunology" at <http://www.cc.okayama-u.ac.jp/~perio/bind2/cn11/pg60.html>.

Reference books, etc. will be introduced as appropriate during the lecture. Lecture materials will also be distributed. It is also necessary to search and collect information using the library and the Internet.

To purchase textbooks handled by the Okayama University Co-op, see the textbook information "Text-it".

Please check at <https://okadai.text.univ-coop.net/>.

■ 参考書等

参考書1	ISBN	4163900357		
	書名	寄生虫なき病		
	著者名	モイセズ・ベラスケス=マノフ著；赤根洋子訳		
	出版社	文藝春秋	出版年	2014
参考書2	ISBN	4309502008		
	書名	感染症から身を守る本：見えない敵の正体と脅威、これだけは知りたい		
	著者名	岡部信彦著		
	出版社	河出書房新社	出版年	2000
参考書3	ISBN	4167660164		
	書名	図解感染恐怖マニュアル		
	著者名	病原体との共存を考える会著		
	出版社	文藝春秋	出版年	2001
参考書4	ISBN	4005004911		
	書名	人類vs感染症		
	著者名	岡田晴恵著		
	出版社	岩波書店	出版年	2004
参考書5	ISBN	4087202577		
	書名	人体常在菌のはなし：美人は菌でつくられる		
	著者名	青木皐著		
	出版社	集英社	出版年	2004

備考

Introduce as appropriate during the lecture. Lecture materials will also be distributed. It is also necessary to search and collect information using the library and the Internet.

■ 成績評価の方法

< Note > Due to the reduction of lectures as a result for anti-COVID-19 pandemic, short test will be scheduled for each lecture by using Okayama University moodle. Students' will be evaluated by both short tests and written reports. (You should consult Prof. Takashiba before in advance. Short test may be waived.)

(Former: Evaluate personal knowledge and thinking abilities as well as attitudes towards lessons by having them report on lecture contents and their impressions each time and submit it. Also, a written examination on the contents of the lecture (note that it is not simply asking for knowledge). 80%tests, 20%reports.)

■ 受講要件

Requirements for attendance Anyone who wants a healthy life or wants to contribute to health science is welcome! No prior knowledge is required, but motivation to learn and improve is necessary. (In the case of face-to-face lectures, you are required to sit at the prescribed lecture desk and take the lectures.)

■ 教職課程該当科目

None

■ JABEEとの関連

- (e) Design ability to solve social needs by utilizing various science, technology and information
- (f) Communication skills such as logical descriptive ability, oral presentation skills, discussion
- (g) Ability to independently and continuously learn
- (h) Ability to proceed work and systematically under the given constraints

■ SDGs関連項目

(保健)あらゆる年齢のすべての人々の健康的な生活を確保し、福祉を促進する。
(持続可能な都市)包摂的で安全かつ強靭（レジリエント）で持続可能な都市及び人間居住を実現する。

■ 実務経験のある教員による授業科目

Applicable

We are conducting research on the relationship between periodontal disease and systemic disease. In particular, we analyze the interrelationship between periodontitis and diabetes in terms of molecular biology and analyze the effect of periodontitis on compromised hosts. The importance of this field in dentistry has been rapidly increasing in recent years, and the content of research is incorporated into the lecture.

Leachers are dentists, and all of them perform research and clinical practice of Periodontal Medicine.

■ 備考/履修上の注意

This subject is a specialized education subject that is treated as a liberal arts education subject or a specialized education subject of another faculty when taken by a student other than the undergraduate course. * For the lecture number when handling as a specialized education subject of another faculty, please check the syllabus of the faculty.

Part of the specialized education of the Faculty of Dentistry is open to the public as a liberal arts subject. Therefore, the lecture is taken in the 1st presentation room on the 4th floor of the Faculty of Dentistry with the students of the Faculty of Dentistry (about 50 people). It is a show time that expresses and inherits knowledge. On the contrary, think of the report as show time, which shows the students' thoughts. Discussions are welcome. Please use it during lecture time or by e-mail. Recently I think that health is the ultimate desire. Think about your desires and roles in an aging society with a declining birthrate.

The instructor is a dentist who conducts research and clinical practice on infection control.