

2023 年度 第 1 学期 歯学部		日英区分: 英語
歯周病態および歯髓病態 診断・治療学実習 Phantom Practice for Endodontic and Periodontal Treatment		
■ 講義番号	■ 科目区分	■ 学期
076053		第 1 学期
■ ナンバリングコード	■ 教室	
NDGZ2DEDZ4-A	シミュレーション実習室	
■ 必修・選択の別		
必修		
■ 単位数	■ 曜日・時限	
0.75	木5,木6,木7	
■ 担当教員 (ローマ字表記)		
高柴 正悟 [TAKASHIBA Shogo], 池田 淳史 [IKEDA Atsushi], 平井 公人 [HIRAI Kimito], 信田 有希 [SHINODA Yuki]		

持続可能な開発目標 (SDGs)



■ 対象学生

■ 他学部学生の履修の可否

否

■ 連絡先

Professor Shogo Takashiba

Department of Pathophysiology - Periodontal Science

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■ オフィスアワー

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.

■ 学部・研究科独自の項目

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

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-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-3-4) Diagnosis and treatment of dental and tooth defects

F Simulation training (model practice, mutual exercise (practical training))

F-1 Basics of medical treatment

F-1-1) Examination and recording in the oral cavity

F-1-2) Medical safety ・Infection control
F-3 Basic clinical skills
F-3-3) Treatment of diseases of teeth and periodontal tissue

■ 使用言語

学生により日本語又は英語

■ 授業の概要

★ Attention: This practice is integrated with "Periodontology and Periodontics" and "Endodontology and Endodontics" ★
"Infection diagnosis / treatment practical training" and "Practice of pathophysiology diagnosis / therapeutics", but to understand the pathological condition, we take care not to separate the two.
Practicing progresses around each short guidance, and simulates what you learned in the lecture room using a model.
For convenience, contents can be classified in periodontal and teeth. This basic practical training is the simulation study using phantom model.

■ 学習目的

GIO:
We ask for students to acquire basic clinical skills and knowledge of periodontal or endodontic treatments using phantom model.

■ 到達目標

SBOs:
1.Explainable the examination and diagnosis of periodontal or endodontic disease. Students also can explain the periodontal and endodontic treatment.
2. Explainable the periodontal or endodontic instruments.
3. Be able to do the examination of periodontics and endodontics.
4. Be able to do the basic periodontal treatment and periodontal surgery.
5. Be able to do the basic endodontic treatment.
6. Be able to do the infection control in periodontics and endodontics.

■ 授業計画

Due to the COVID-19 pandemic, the schedule is subject to change. The list is an explanation of what you will learn.

1st April 6

Introduction, Preparation, and Periodontics: distribution of instruments, selection of teeth for canal treatment, basic periodontal examination (mutual practice)
Periodontics: scaling, SRP, temporary splinting
Professor Takashiba, Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

2nd April 13

Endodontics: canal treatment on incisors
Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

3rd April 20

Endodontics: canal treatment on premolars
Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

4th April 27

Endodontics: canal treatment on molars #1
Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

5th May 11

Endodontics: canal treatment on molars #2
Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

6th May 18

Endodontics: Catching up with the schedule
ssist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

7th May 25

Periodontics: periodontal surgery on porcine mandible
Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

8th June 1

Examination: phantom practice (RCT on incisors)
Professor Takashiba, Assist. Prof. Hirai, Assist. Prof. Ikeda, Assist. Prof. Ito (Shinoda), and Others

■ 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)

< Note > It is indispensable to watch presentations and videos to understand these practices.

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

You should have sense/motivation for improve yourself by studying even though you do not have preliminary knowledge.

★ MUST-SEE ★

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

>Basic Periodontics Practice Video (http://www.perio.jp/news/basic_practice.shtml)

>Endodontic basic skills teaching material practice items (<https://jea-endb.or.jp/materials/basic-skills.html>)

>Advanced endodontic skills training material practice items (<https://jea-endb.or.jp/materials/advanced-skills.html>)

■ 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

10% : 90%

(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)

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)

やや少ない

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)

やや多い

(3)授業形態-実践型科目タイプ

Cタイプ 実習や演習だが社会連携したものではない

(4)授業形態-履修者への連絡事項

★ You must watch the materials and movies from the following links before and after.

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

☆ Printed materials (handouts), slides, videos, and the Internet will be used as requested by the instructor.

■ 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)

やや少ない

学習管理システム(Moodleなど)

やや少ない

人的支援(ゲストスピーカー、TA、ボランティアなど)

多い

履修者への連絡事項

Visual teaching materials using PowerPoint etc.

Students use ICT equipment to collect data (from HP of our department)

Check the Okadai doodle also.

■ 教科書

備考

Introduce as appropriate during the lecture.

★ Preliminarily prepare materials in our HP. Passwords were introduced in lectures of specialized courses.

<https://www.cc.okayama-u.ac.jp/~perio/bind21/phantom-practice.html>

Textbook group to be selected

1. Perfect endodontist (Tutorial) Kenji Takashima (Author) Dental Diamond Company List price: 10,500 yen
2. Strategy for periodontal disease diagnosis: Hiromasa Yoshie・Takashi Miyata editorial doctor's manual publication regular price 12,600 yen
3. Strategies for treatment of periodontal disease: Hiromasa Yoshie, Takashi Miyata eds. Medical and dental publication regular price 13,650 yen

★ MUST-SEE ★

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

>Basic Periodontics Practice Video (http://www.perio.jp/news/basic_practice.shtml)

>Endodontic basic skills teaching material practice items (<https://jea-endo.or.jp/materials/basic-skills.html>)

>Advanced endodontic skills training material practice items (<https://jea-endo.or.jp/materials/advanced-skills.html>)

参考書

備考

< Note > Due to the reduction of phantom practice as a result for anti-COVID-19 pandemic, it is indispensable to watch presentations and videos to understand these practices.

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

Introduce as appropriate during practical training. We also use the practical training prepared by this course for each lecture. We also distribute lecture materials.

★ Practice book: http://www.cc.okayama-u.ac.jp/~perio/kogj/link/textbook_L.pdf

★ Preliminarily prepare materials in our HP. Passwords were introduced in lectures of specialized courses.

成績評価基準 授業評価方法

Comprehensive judgment from practical examination on attendance, practical attitude, and practical content. Practical examination 40 points, evaluation of each practical case 30 points, attendance / training attitude 30 points.

受講要件

Mandatory for dental students

Have completed essential courses so far.

教職課程該当科目

Not applicable

JABEEとの関連

Not related

持続可能な開発目標 (SDGs)

(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。

実務経験のある教員による授業科目

Applicable

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

The instructor is a dentist who conducts research and clinical practice of Endodontology & Endodontics.

備考/履修上の注意

★ Attention: This practice is integrated with "Periodontology and Periodontics" and "Endodontology and Endodontics" ★

As a large number of faculty members and staff are in charge, it may be felt that practical training will be carried out swiftly. For that reason, it is necessary to conduct preliminary preparations beforehand and to connect and link various information correctly.

It is "time" to extract the essence of the content of the lecture and connect theory and practice, but also the dexterity to practice the theory is questioned. Since we use blades (scalpel blade etc.), it is necessary to tighten the attention and come to practice.

All instructors are dentist, and they must have experience of clinical dental practice.

学習成果 (COs)

学修成果 (COs)	関連するコア・コンピテンシー	評価の方法
医療人として適切な態度で、品位と思いやりをもって行動できる。	倫理観	Discussion, Report, Written examination

歯科医学における問題を発見し 科学的解決に導くことができる。	問題解決力	Discussion, Report, Written examination
医療プロフェッショナルとして生涯にわたり自己を高めていく重要性を説明できる。	自己管理力	Discussion, Report, Written examination

※ [コア・コンピテンシーに関する説明](#)