

## 咀嚼器官の機能と機能障害学

Occlusion Medicine - Function and Dysfunction of the Masticatory Organ

### 担当教員 Instructors

教授:

河田俊嗣

准教授:

講師:

笹栗健一、岩田敏男、小田博雄、大塚剛郎

助教:

三宅真次郎、小泉 創

Professor:

Associate Professor:

Lecturer:

Kenichi Sasaguri, Toshio Iwata, Hiroo Oda, Takero Otsuka

Assistant Professor:

Shinjiro Miyake, Sou Koizumi

### 授業区分/単位数 Course category/Units

授業区分/単位数

関連研究科目

4単位

Course category/Units

second subject

4 units

### 開講学期/週当時間 (コマ) 数 Semester

通年/週4時間 (2コマ)

Two semesters/4 hours per week (2 classes)

This course meets for one 4-hour session per week. There are a total of about 30 sessions.

### 目標 Objectives

神奈川歯科大学歯科矯正学講座は、顎顔面の形態や機能に関わる問題あるいは不正咬合に関連する異常を改善することで国民の健康維持に寄与するため、顎顔面部の機能障害の原因を追究し、それを予防し、さらに不正咬合と骨格の不調和や咀嚼器官の機能障害などの治療について教育、研究することを目標としている。

The mission of the faculty, students, and staff of the Kanagwa Dental College (KDC), Division of Orthodontics is to improve the health of the people of Japan by: educating students and practitioners in dentofacial orthopedics and orthodontics; researching the causes, prevention, treatment of malocclusion and skeletal imbalances, and management of dysfunction problems of the masticatory organ; and providing service to our patients and the community.

### 講義内容 Contents of Course

(1) 頭頸部の解剖、(2) 顎顔面の成長発育、(3) セファロメトリックス、(4) 生力学の原理、(5) 神経筋機構の生理、(6) 矯正材料、(7) ナソロジーと咬合の原理、(8) 咬合器および咬合分析、(9) コンディログラフと顎運動、(10) ワクシングによる咬合構築、(11) 外科矯正、(12) 顎顔面の異常と遺伝、(13) 健康科学、(14) 歯科矯正臨床、(15) 不正咬合の診断と矯正治療計画、(16) 歯科矯正学の科学論文のレビュー などのテーマを講義、ゼミ、輪読等によって行う。

The curriculum consists of formal instruction in (1) anatomy (head and neck, osteology), (2) growth and development, including embryology, (3) roentgenographic cephalometrics, and (4) biomechanical principles, (5) neuromuscular physiology, (6) metallurgy of orthodontic materials, (7) gnathology, principle of occlusion, TMJ function and dysfunction, (8) articulator mounting of cast and occlusion analysis, (9) condylographic evaluation of condylar movement, (10) reconstruction of occlusion by waxing (11) surgical orthodontics, (12) craniofacial anomalies and genetics, (13) health sciences, (14) clinical orthodontics, (15) orthodontic diagnosis and treatment planning seminars and (16) review of the orthodontic literature and other subject matters/that has direct or indirect clinical application.

### 参考書 Recommended reference books and/or readings

- Management of Temporomandibular disorders and Occlusion fourth Edition Jeffrey P. Okeson
- ORTHODONTICS PRINCIPLES AND PRACTICE GRABER Therd Edition (W.B. SAUNDERS COMPANY Philidelphia)

### 成績評価の方法 Grading System

口頭試問50%、実技評価50%

Oral Examination 50%, Practice 50%

### 履修に当たっての留意点 Course requirement

必修科目の履修が修了した学生は、学位論文を学術雑誌に投稿し、最終審査を経て博士(歯学)の学位が授与される。

After the completion of the academic requirements, the student should approve final examinations, make a thesis defense and complete the thesis submission to a scientific, in order to graduate as Ph D. degree.