

2022 Akita University Faculty of Medicine Syllabus

Category	: 臨床医学 VII (CC2)
Course Title	: Orthopedics
Eligible Students	: grade 6 Elective Course
Code	: 71644006-12

1. Lead Instructor

Naohisa Miyakoshi (Professor, Department of Orthopedic Surgery, 6148, Office Hour: 9 : 00-17 : 00)

2. Instructors

Naohisa Miyakoshi (Professor, Department of Orthopedic Surgery, 6148, Office Hour: 9 : 00-17 : 00)

Michio Hongo (Lecturer, Department of Orthopedic Surgery, 6148, Office Hour: 9 : 00-17 : 00)

Hiroyuki Nagasawa ((IGAKUBU) Lecturer, Department of Orthopedic Surgery, 6148, Office Hour: 9 : 00-17 : 00)

Koji Nozaka ((IGAKUBU) Lecturer, Department of Orthopedic Surgery, 6148, Office Hour: 9 : 00-17 : 00)

3. Course Description Outline(Course Objectives)

1. 授業の概要及びねらい

Course Description Outline(Course Objectives)

整形外科に親しんでいただくことを第一の目標にしている。実際には病棟の3つの診療グループに1人ずつ配属し、主治医グループと全く同じペースで患者さんの回診、検査に参加してもらう。これにより基本的診察法、カルテの記載の仕方、検査値の読み方、X線写真の見方、MRIの読影等が身につく。手術の際にも実際に手洗いし、幅広い疾患を扱う整形外科を実感してもらう。

Our primary goal is to familiarize students with orthopedics. Students will be assigned to each of the 3 medical groups and will participate in patient rounds and examinations at the same pace as the attending doctors. As a result, students can learn basic medical examination methods, how to write medical records, and how to interpret the laboratory data, X-ray film, magnetic resonance image. Students also participate in surgery with orthopedic surgeons to understand orthopedics, which deals with a wide range of diseases.

2. 講義内容・具体的到達目標・学修目標

Lecture content and specific learning goals

曜日によってカンファランスや抄読会などが予定されている(曜日別スケジュールを参照)。このカンファランスでは配属期間の後半に術前の患者さんの症例提示などを実際にやっていただく。また、診療の合間には研究にも参加可能。生体力学研究や骨代謝、再生医学の実験など現在進行中のものを自分の目で見て興味をもってもらうことが目標である。

Students also participate in conferences and journal club depending on the day of the week(See schedule by day of the week). Students will actually present cases at this conference. Students can also participate in research. The goal is for students to be interested in orthopedic research by actually observing ongoing research such as biomechanics research, bone metabolism, and regenerative medicine experiments.

【授業の概要と進行予定及び進め方】 *Outline of Course, schedule and how to proceed*

テーマのタイトルとその概要および担当教員 Theme and outline, and faculty member

1. 脊椎外科グループ担当：本郷道生 1. Spine Group: Michio Hongo

腰椎椎間板ヘルニア、頸髄症性脊髄症などの脊椎疾患の診察法、検査法、手術的治療などの実際を学ぶ。また、骨代謝の研究に参加する。In this group, students will learn the practice of diagnosing, examination, and surgery for spinal disorders such as lumbar disk herniation and cervical myelopathy, and will also participate in bone metabolism research.

2. 関節外科グループ担当：野坂光司 2. Joint Group: Koji Nozaka

関節疾患の診察法、検査法、手術的治療などの実際を学ぶ。また、生体力学研究に参加する。In this group, students will learn the practice of diagnosing, examination, and surgery for joint disorders such as osteoarthritis or joint trauma, and will also participate in biomechanical research.

3. 骨軟部腫瘍グループ担当：永澤博幸 3. Tumor group : Hiroyuki Nagasawa

骨肉腫や軟部肉腫などの骨軟部腫瘍の概略と診察法、検査法、治療法などの実際を学ぶ。また、再生医学の研究に参加する。In this group, students will learn the practice of diagnosing, examination, and surgery for bone and soft tissue tumor such as osteosarcoma, and will also participate in regenerative medicine research.

授業に関連するキーワード 骨・関節の基礎 骨・関節疾患 脊髄・末梢神経 手の疾患 リハビリテーションの基礎

Keywords: Basics of Bone and Joint, Bone and Joint Disease, Spinal Cord, Peripheral Nerve, Hand Disease, Basics of Rehabilitation

関連するプロフェッショナリズム・医の倫理・医療安全・EBM・医療法（医療制度）について説明できる。

The aim is to be able to explain related professionalism, medical ethics, medical safety, evidence-based medicine, medical law and medical system.

本科目は実務経験のある教員による授業科目です。

This subject is a lesson subject by a teacher with practical experience.

4. Textbook/Reference Books

TEXT 整形外科学第5版（南山堂）、標準整形外科学（医学書院）、整形外科学・外傷学（文光堂）、整形外科 MOOK シリーズ（金原出版）、新図説臨床整形外科講座（メジカルビュー社）、図説整形外科診断治療講座（メジカルビュー社）、最新整形外科学体系（中山書店）

5. Assessment

普段の取り組み方、積極性、術前の患者さんの症例提示などから4段階評価する。

Students are evaluated on a four-point scale based on their attitude toward medical care, their willingness to perform medical care, and the content of case presentations.

6. Out of Class Study/Message

整形外科学・リハビリテーション科 臨床実習

Schedule		Contents of Class
1	Mon [8:00-17:30] Subtitle Instructor Naohisa Miyakoshi, Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	【第1回目は8:00まで整形外科医局（北臨床棟2階）に集合してください On the first day, please gather at the Orthopedic Surgeon Office (North Clinical Building 2nd floor) by 8:00】 病棟回診 Doctor's round 13:30 教授回診 Professor's round (1病棟8階 first ward 8th floor) 17:00 抄読会 Journal club (北臨床棟2階カンファレンスルーム Conference room at North Clinical Building 2nd floor)
2	Tue [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 / 手術 Round and Surgery
3	Wed [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 Round
4	Thu [8:00-17:30] Subtitle Instructor Naohisa Miyakoshi, Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	8:00 術後カンファランス Postoperative conference (1病棟8階カンファレンスルーム conference room at first ward, 8th floor) 病棟回診 / 手術 Round and Surgery
5	Fri [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 / 手術 Round and Surgery
6	Mon [8:00-17:30] Subtitle Instructor Naohisa Miyakoshi, Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 Doctor's round 13:30 教授回診 Professor's round (1病棟8階 first ward 8th floor) 17:00 抄読会 Journal club (北臨床棟2階カンファレンスルーム Conference room at North Clinical Building 2nd floor)
7	Tue [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 / 手術 Round and Surgery
8	Wed [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 Round
9	Thu [8:00-17:30] Subtitle Instructor Naohisa Miyakoshi, Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	8:00 術後カンファランス Postoperative conference (1病棟8階カンファレンスルーム conference room at first ward, 8th floor) 病棟回診 / 手術 Round and Surgery
10	Fri [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 / 手術 Round and Surgery
11	Mon [8:00-17:30] Subtitle Instructor Naohisa Miyakoshi, Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 Doctor's round 13:30 教授回診 Professor's round (1病棟8階 first ward 8th floor) 17:00 抄読会 Journal club (北臨床棟2階カンファレンスルーム Conference room at North Clinical Building 2nd floor)
12	Tue [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 / 手術 Round and Surgery
13	Wed [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 Round

整形外科学・リハビリテーション科 臨床実習

Schedule		Contents of Class
14	Thu [8:00-17:30] Subtitle Instructor Naohisa Miyakoshi, Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	8:00 術後カンファランス Postoperative conference (1 病棟 8 階カンファラ スルーム conference room at first ward, 8th floor) 病棟回診 / 手術 Round and Surgery
15	Fri [8:00-17:30] Subtitle Instructor Michio Hongo, Hiroyuki Nagasawa, Koji Nozaka	病棟回診 / 手術 Round and Surgery