

2026 Akita University Faculty of Medicine Syllabus

Category	: 臨床医学アドバンスコース
Course Title	: Advanced courses in Gastroenterology - アドバンスコース消化器病学 -
Eligible Students	: grade 4 Elective Course
Code	: 71604005
Schedule	: week 13 ~ week 13
Credits	: 1

1. Lead Instructor

Junichi Arita (Professor, Department of Gastroenterological Surgery, 6123, Office Hour: 9:00-17:00)

2. Instructors

Junichi Arita (Professor, Department of Gastroenterological Surgery, 6123, Office Hour: 9:00-17:00)
Katsunori Iijima (Professor, Department of Gastroenterology and Neurology, 6573, Office Hour: 9:00-17:00)
Hiroyuki Shibata (Professor, Department of Clinical Oncology, 6262, Office Hour: 9:00-17:00)
Naoko Mori (Professor, Department of Radiology, 6302, Office Hour: 9:00-17:00)
Yusuke Sato (Hospital Associate Professor, Department of Esophageal Surgery, 6132, Office Hour: 9:00-17:00)
Akiyuki Wakita (Lecturer, Department of Esophageal Surgery, 6132, Office Hour: 9:00-17:00)
Shinichiro Atsumi (Project Lecturer, Department of Gastroenterological Surgery, 6215, Office Hour: 9:00-17:00)
Naohiko Otsuka (Assistant Professor, Department of Gastroenterological Surgery, 6215, Office Hour: 9:00-17:00)
Shuhei Yamada (Assistant Professor, Department of Gastroenterological Surgery, 6215, Office Hour: 9:00-17:00)
Yosuke Shimodaira (Assistant Professor, Department of Gastroenterology and Neurology, 6104, Office Hour: 9:00-17:00)
Takashi Goto (Part-time Lecturer, Honjo Daiichi Hospital)
Tsuyotoshi Tsuji (Part-time Lecturer, Akita City Hospital)
Takahiro Domen (Part-time Lecturer, Yurikumiai General Hospital)
Yoshihide Kanno (Part-time Lecturer, Sendai Open Hospital)
Kenichi Takahashi (Part-time Lecturer, Akita Red-cross Hospital)
Hideaki Miyazawa (Part-time Lecturer, Akita Red-cross Hospital)
Kouichi Ishiyama (Part-time Lecturer, Akita City Hospital)

3. Course Description Outline(Course Objectives)

1. 一般目標 (GIO)

消化器病学のトピックス、up-to-date の診断や治療法を知るとともに、基礎医学的知識と研究成果が臨床にどう生かされているかを理解する。

2. 到達目標 (SBOs)

- 1) functional dyspepsia と irritable bowel syndrome の対処法について説明できる (3-1 ~ 3-3)
- 2) 肝胆膵疾患の超音波による鑑別診断の要点を説明できる (3-1 ~ 3-3)
- 3) 炎症性腸疾患の病因、最新治療について説明できる (3-1 ~ 3-3)
- 4) ウィルス性肝炎についての整理された知識を持ち説明できる (3-1 ~ 3-3)
- 5) 遺伝子異常による消化器疾患の研究手法、現況を理解し説明できる (3-1 ~ 3-3)
- 6) 治療内視鏡の意義について説明できる (3-1 ~ 3-3)
- 7) 肝胆膵疾患の画像診断について整理された知識を持ち説明できる (3-1 ~ 3-3)
- 8) 消化器疾患に対する IVR について正しい知識を持ち説明できる (3-1 ~ 3-3)
- 9) 肝癌治療の実践的な選択法を理解し説明できる (3-1 ~ 3-3)
- 10) 周術期栄養療法の現況を理解し説明できる (3-1 ~ 3-3)
- 11) 主な消化器癌手術の要点について正しい知識を持ち説明できる (3-1 ~ 3-3)
- 12) 消化器癌の非手術的治療法の適応と限界について説明できる (3-1 ~ 3-3)

- 13) 消化器癌の化学療法について正しく理解し説明できる (3-1 ~ 3-3)
14) 一般的な消化器疾患に対する治療方針の策定、およびプレゼンテーションができる (2-4 , 3-1 ~ 3-4 , 4-3 ~ 4-5、 5-1 ~ 5-3)

1. General Instructive Objectives (GIO)

To understand the topics of gastrointestinal illness, up-to-date diagnosis and treatment methods, and that how basic medical knowledge and research results are applied clinically.

2. Specific Behavioral Objectives (SBOs)

- 1) To understand about how to deal with functional dyspepsia and irritable bowel syndrome (3-1 ~ 3-3)
- 2) To understand the points of differential diagnosis of hepatobiliary and pancreatic diseases by ultrasound examination (3-1 ~ 3-3)
- 3) To understand the etiology of inflammatory bowel disease and the latest treatments (3-1 ~ 3-3)
- 4) To understand viral hepatitis (3-1 ~ 3-3)
- 5) To understand the research method and current status of gastrointestinal diseases caused by genetic abnormalities (3-1 ~ 3-3)
- 6) To understand the significance of therapeutic endoscopy (3-1 ~ 3-3)
- 7) To have organized knowledge about diagnostic imaging of hepatobiliary and pancreatic diseases (3-1 ~ 3-3)
- 8) To have correct knowledge about IVR for gastrointestinal diseases (3-1 ~ 3-3)
- 9) To understand practical treatments for liver cancer including treatment choice (3-1 ~ 3-3)
- 10) To understand the current status of perioperative nutrition therapy (3-1 ~ 3-3)
- 11) To have correct knowledge about the points of gastrointestinal cancer surgery (3-1 ~ 3-3)
- 12) To understand the indications and limitations of non-surgical treatments for gastrointestinal cancers (3-1 ~ 3-3)
- 13) To have correct understanding of chemotherapy for gastrointestinal cancers (3-1 ~ 3-3)
- 14) To develop treatment plans for gastrointestinal diseases and to give a presentation (2-4 , 3-1 ~ 3-4 , 4-3 ~ 4-5、 5-1 ~ 5-3)

4. Textbook/Reference Books

特に指定なし

Not specified

5. Assessment

講義やディベートアワーにおける発表内容・質疑応答等で評価する

Evaluate by presentations, Q&A during lectures and debate hours

6. Out of Class Study/Message

受入人数 15 ~ 25 人

6月29日(月)10:20から、ディベートアワーのグループ指定や症例配布を行います。症例データをCD-Rで渡すので、パソコンがあると便利です。

7月3日(金)の14:20から、ディベートアワーを行います。各班より発表してもらいます。

ディベートアワーの準備のため、授業時間外の学習などが必須です。

Number of students accepted: 15-25

Group designation and distribution of teaching materials (assignment case) for debate hours will be at 10:20 on June 29th (Monday). Since teaching materials will be given on a CD-R, it would be convenient to bring a computer.

From 14:20 on July 3rd (Friday), student group will make a presentation as a debate hour.

To prepare the presentation during the debate hour, off hours study is mandatory.

Topics and Contents of class, Course Objectives						
	Class Date	Period	Class Format	Topics and Contents of class, Course Objectives	Instructors	Class Room
1	6 / 29 (Mon)	1-2	Lecture	Theme: How to read diagnostic imaging base on human anatomy To learn how to read to the X-ray films and CT in relation to anatomy of the organs	Naohiko Otsuka	附属病院第二病棟 2階 多目的室
2	6 / 29 (Mon)	3-4	Lecture	Theme: Distribution of education materials for debate hour Assignment of the groups for debate hour	Shuhei Yamada	附属病院第二病棟 2階 多目的室
3	6 / 29 (Mon)	5-6	Lecture	Theme: Cutting edge of esophageal surgery To understand the frontier treatment of the esophageal cancers	Yusuke Sato	附属病院第二病棟 2階 多目的室
4	6 / 29 (Mon)	7-8	Lecture	Theme: Gastrointestinal surgery in video presentation To understand the actual maneuvers of the surgeons during digestive tract surgery under video presentation	Hideaki Miyazawa	附属病院第二病棟 2階 多目的室
5	6 / 29 (Mon)	9-10	Lecture	Theme: Summary of viral hepatitis To understand recent treatment for viral hepatitis B and C	Takashi Goto	附属病院第二病棟 2階 多目的室
6	6 / 30 (Tue)	1-2	Lecture	Theme: Diagnostic imaging on the field of esophageal surgery To understand the principles of diagnosing the field of esophageal surgery	Akiyuki Wakita	附属病院第二病棟 2階 多目的室
7	6 / 30 (Tue)	3-4	Group learning	Theme: Preparation for debate hour in student groups Group study and discussion about the assigned case		附属病院第二病棟 2階 多目的室
8	6 / 30 (Tue)	5-6	Lecture	Theme: What can we do by applying ERCP/ From diagnosis to treatment To understand the indications of ERCP diagnosis and treatment	Kenichi Takahashi	附属病院第二病棟 2階 多目的室
9	6 / 30 (Tue)	7-8	Lecture	Theme: Significance of chemotherapy in treating gastroenterological cancers To learn the current standard of the chemotherapy for gastroenterological cancers	Hiroyuki Shibata	附属病院第二病棟 2階 多目的室
10	6 / 30 (Tue)	9-10	Lecture	Theme: Summary of surgical treatment for liver cancer To understand the principles of liver resections for liver cancers	Junichi Arita	附属病院第二病棟 2階 多目的室
11	7 / 1 (Wed)	1-2	Lecture	Theme: Cutting edge of laparoscopic surgery To understand the frontier treatment of the laparoscopic surgery	Shinichiro Atsumi	附属病院第二病棟 2階 多目的室
12	7 / 1 (Wed)	3-4	Group learning	Theme: Preparation for debate hour in student groups Group study and discussion about the assigned case		附属病院第二病棟 2階 多目的室
13	7 / 1 (Wed)	5-6	Lecture	Theme: Diagnostic imaging of intestinal obstruction by CT (interactive) To understand the principles of diagnosing intestinal obstruction by CT	Kouichi Ishiyama	附属病院第二病棟 2階 多目的室
14	7 / 1 (Wed)	7-8	Lecture	Theme: Imaging diagnosis of upper digestive diseases To understand the diagnosis of upper digestive diseases	Katsunori Iijima	附属病院第二病棟 2階 多目的室
15	7 / 1 (Wed)	9-10	Lecture	Theme: The reality and potential of interventional endoscopy To understand the reality and potential of interventional endoscopy	Tsuyotoshi Tsuji	附属病院第二病棟 2階 多目的室

Topics and Contents of class, Course Objectives						
	Class Date	Period	Class Format	Topics and Contents of class, Course Objectives	Instructors	Class Room
16	7/2 (Thu)	1-2	Lecture	Theme: Summary of medical treatment for liver cancer To understand the local ablation therapy for liver cancers	Takahiro Domen	附属病院第二病棟2階多目的室
17	7/2 (Thu)	3-4	Group learning	Theme: Preparation for debate hour in student groups Group study and discussion about the assigned case		附属病院第二病棟2階多目的室
18	7/2 (Thu)	5-6	Lecture	Theme: Cutting edge of biliopancreatic endoscopy To understand the latest examination and treatment of biliopancreatic endoscopy	Yoshihide Kanno	附属病院第二病棟2階多目的室
19	7/2 (Thu)	7-8	Lecture	Theme: Hepatobiliary-pancreatic surgery in video presentation To understand the actual maneuvers of the surgeons during hepatobiliary-pancreatic surgery under video presentation	Junichi Arita	附属病院第二病棟2階多目的室
20	7/2 (Thu)	9-10	Lecture	Theme: Imaging diagnosis of lower digestive diseases To understand the diagnosis of lower digestive diseases	Yosuke Shimodaira	附属病院第二病棟2階多目的室
21	7/3 (Fri)	1-2	Group learning	Theme: Preparation for debate hour in student groups Group study and discussion about the assigned case		附属病院第二病棟2階多目的室
22	7/3 (Fri)	3-4	Group learning	Theme: Preparation for debate hour in student groups Group study and discussion about the assigned case		附属病院第二病棟2階多目的室
23	7/3 (Fri)	5-6	Group learning	Theme: Preparation for debate hour in student groups Group study and discussion about the assigned case		附属病院第二病棟2階多目的室
24	7/3 (Fri)	7-8	Discussion	Theme: Debate hour / What kind of (which) treatment should be chosen for gastrointestinal cancers? Group presentations and inter-groups discussion about the treatment strategy for assigned cases	Junichi Arita Katsunori Iijima Hiroyuki Shibata Naoko Mori Yusuke Sato	附属病院第二病棟2階多目的室
25	7/3 (Fri)	9-10	Discussion	Theme: Debate hour / What kind of (which) treatment should be chosen for gastrointestinal cancers? Group presentations and inter-groups discussion about the treatment strategy for assigned cases	Junichi Arita Katsunori Iijima Hiroyuki Shibata Naoko Mori Yusuke Sato	附属病院第二病棟2階多目的室