

2025 Akita University Faculty of Medicine Syllabus

Category	: 研究配属
Course Title	: Practical Seminar in Basic Medicine
Eligible Students	: grade 3 Related Course
Code	: 71564024
Schedule	: week 1 ~ week 14
Credits	: 6

1. Lead Instructor

Yasukazu Hodumi (Vice Chair of Academic Affairs) ()

2. Instructors

Yasukazu Hodumi (Vice Chair of Academic Affairs) ()
Staffs of each course ()

3. Course Description Outline(Course Objectives)

授業の概要及びねらい

- ・ 学生自身の主体的、積極的医学修得への取組意識を向上させ、現実に進行中の医学研究の実態を知る。
- ・ 医学・医療の発展のための医学研究の必要性を十分に理解し、批判的思考も身に付けながら、学術・研究活動に関与する。
- ・ 医療と医学研究における倫理の重要性を学ぶ。

To improve students' awareness of the need for independent and proactive efforts to learn medicine, and to understand the reality of medical research in progress.

To fully understand the necessity of medical research for the development of medicine and medical care, and to be involved in academic and research activities while acquiring critical thinking.

To learn the importance of ethics in medicine and medical research.

学修目標

- ・ 研究は、医学・医療の発展や患者の利益の増進を目的として行われるべきことを説明できる。(1-1 ~ 1-2,5-1 ~ 5-5,6-1 ~ 6-2)
- ・ 生命科学の講義・実習で得た知識を基に、病態の解析ができる。(3-1 ~ 3-4,5-2 ~ 5-3)
- ・ 患者や疾患の分析を基に、教科書・論文等から最新の情報を検索・整理統合し、疾患の理解・診断・治療の深化につなげることができる。(4-1 ~ 4-4,5-1 ~ 5-4)
- ・ 抽出した医学・医療情報から新たな仮説を設定し、解決に向けて科学的研究(臨床研究、疫学研究、生命科学研究等)に参加することができる。(3-1 ~ 3-4,4-1 ~ 4-7,5-1 ~ 5-4)
- ・ 医療人類学や医療社会学等の行動科学・社会科学の基本的な視点・方法・理論を概説できる。(3-5 ~ 3-7,4-8)
- ・ 医学研究と倫理(それぞれの研究に対応した倫理指針と法律)を説明できる。(1-1,3-5)
- ・ 研究デザイン(観察研究(記述研究、横断研究、症例対照研究、コホート研究)、介入研究(臨床研究、ランダム化比較試験)、システマティックレビュー、メタ分析(メタアナリシス)を概説できる。(3-3,3-6 ~ 3-7,4-4)
- ・ データベースや二次文献からのエビデンス、診療ガイドラインを検索することができる。(3-3,4-4,5-1 ~ 5-5)
- ・ 得られた情報の批判的吟味ができる。(3-3,4-4,5-1 ~ 5-5)
- ・ 期間中に行った研究の目的・方法・結果・考察を論理的かつ簡潔にまとめ、口頭で発表する技術を身につける。必要に応じて訴求力のあるスライドを作成する技術を身に付ける。(2-1 ~ 2-8)

- Explain that research should be conducted for the purpose of advancing medical science and medicine and promoting the interests of patients. (1-1 ~ 1-2,5-1 ~ 5-5,6-1 ~ 6-2)
- The student is able to analyze pathological conditions based on the knowledge obtained in lectures and practical training in life sciences. (3-1 ~ 3-4,5-2 ~ 5-3)
- Based on the analysis of patients and diseases, students are able to search, organize, and integrate the latest information from textbooks, articles, etc., to deepen understanding, diagnosis, and treatment of diseases. (4-1 ~ 4-4,5-1 ~ 5-4)
- Students are able to formulate new hypotheses based on medical/medical information extracted and participate in scientific research (clinical research, epidemiological research, life science research, etc.) toward solutions. (3-1 ~ 3-4,4-1 ~ 4-7,5-1 ~ 5-4)
- The student should be able to outline the basic perspectives, methods and theories of behavioral and social sciences such as medical anthropology and medical sociology. (3-5 ~ 3-7,4-8)
- Explain medical research and ethics (ethical guidelines and laws corresponding to each type of research). (1-1,3-5)
- Be able to outline research design (observational studies (descriptive studies, cross-sectional studies, case-control studies, cohort studies), intervention studies (clinical studies, randomized controlled trials), systematic reviews, and meta-analyses (meta-analyses)). (3-3,3-6 ~ 3-7,4-4)
- The student is able to search for evidence and clinical guidelines from databases and secondary literature. (3-3,4-4,5-1 ~ 5-5)
- Critically examine the information obtained. (3-3,4-4,5-1 ~ 5-5)
- Develop skills to summarize logically and concisely the purpose, methods, results, and discussion of the research conducted during the period and to make an oral presentation of the results. Acquire skills to prepare appealing slides as necessary. (2-1 ~ 2-8)

4. Textbook/Reference Books

受入講座等での指示に従うこと。

Follow the instructions at the course of acceptance, etc.

5. Assessment

受入講座等の責任において判定される。

The decision will be made at the responsibility of the host course, etc.

6. Out of Class Study/Message

授業内容等については研究配属の手引きを参照すること。また、各配属ごとに選抜された代表の学生または学生グループは最終週に行われる全体の研究発表会で研究発表を行う。優れた学生には各講座の裁量で、学会発表や論文執筆の機会を与える。

Please refer to the Guide to Research Assignments for class content and other information. In addition, a representative student or group of students selected for each assignment will present their research at the overall research presentation held in the last week of the course. Each course will provide excellent students with opportunities to present their research at conferences and write papers at the discretion of each course.

Topics and Contents of class, Course Objectives						
	Class Date	Period	Class Format	Topics and Contents of class, Course Objectives	Instructors	Class Room