

2022 Akita University Faculty of Medicine Syllabus

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| Category | : 基礎医学アドバンストコース |
| Course Title | : Critical Reading - 文献検索 - |
| Eligible Students | : grade 2 Elective Course |
| Code | : 71584005 |
| Schedule | : week 30 |
| Credits | : 1 |

1. Lead Instructor

Kyoko Nomura (Professor, Department of Environmental health science and Public Health, 6086)

2. Instructors

Kyoko Nomura (Professor, Department of Environmental health science and Public Health, 6086)

Eri Maeda (Associate Professor, Department of Environmental health science and Public Health, 6088)

Toyoto Iwata ((IGAKUBU) Lecturer, Department of Environmental health science and Public Health, 7032)

Yong Kim Fong Roseline (Assistant Professor, Department of Environmental health science and Public Health, 6095)

Teiichiro Yamazaki (Assistant Professor, Department of Environmental health science and Public Health, 3260)

Katahira Masayuki (Associate Professor, Department of Medical Informatics, 6095)

3. Course Description Outline(Course Objectives)

【ねらい】

臨床現場での意思決定において、入手可能な最善の医学知見を用い、適切な意思決定を行うための方法を身に付ける。

【授業の概要】

PubMed を用いて医学情報の収集を行い、必要なりサーチクエスチョンをたてる。(5W1H の応用、PICO/PECO の抽出、先行研究において未解決となっている課題を見つけ出す力を身につける。)

【Aim】

To acquire the best available medical knowledge and methods for making appropriate decisions in clinical decision making.

【Class Outline】

To collect medical information using PubMed and issue the necessary research questions. (To acquire the ability to apply 5W1H, to extract PICO/PECO, and to identify outstanding issues in previous studies)

4. Textbook/Reference Books

EBM の実践と教育 David L.Sackett [ほか] 著

5. Assessment

態度、レポート、出席、その他（発表、グループワーク）
全体討議へ積極的に参加し、自分の考えを述べること。
グループワークやディスカッションを重視する。

Attitude, reporting, participation, and others (presentation, group work)

Participate actively in general discussions and express one's own thoughts.

Focus on group work and discussions.

6. Out of Class Study/Message

1. シラバスをよく読んで参加すること。

2. 研究課題に関して、自ら学び、課題を見つけ、問題を解くなどの自主性が求められる。
3. PubMed を用いて文献検索や整理するため、英語の理解力が必要となる。

1. Read the syllabus carefully and participate.
2. With regard to research issues, autonomy, such as learning by oneself, finding issues, and solving problems, is required.
3. The literature is searched and sorted using PubMed, and English comprehension is required.

| Topics and Contents of class, Course Objectives | | | | | | |
|---|---------------|--------|--------------|--|---|------------|
| | Class Date | Period | Class Format | Topics and Contents of class, Course Objectives | Instructors | Class Room |
| 1 | 11 / 28 (Mon) | 1-2 | Discussion | Theme: オリエンテーション Orientation 1) 自己紹介 1分ずつ (名前・出身地・コースを選択した理由・公衆衛生学で特に興味を持つ分野・研究したい課題) 2) 公衆衛生学のどのようなことを研究課題としたいのか (目標とゴールの設定) 1) Self introduction (reasons for choosing a name, place of origin, course, field of particular interest in public health, and research topics) 2) What topics of public health should be studied (setting goals and goals)? | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki Katahira Masayuki | 基礎棟第2講義室 |
| 2 | 11 / 28 (Mon) | 3-4 | Lecture | Theme: 医学情報のエビデンスの 応用 Application of evidence of medical information 研究は、医学・医療の発展や患者の利益を目的として行われることを説明出来る (5W1Hの応用、PICO/PECOの違い) Students will be able to explain how research is undertaken for the purposes of medical and medical development and patient benefit (5 W1H applications, PICO/PECO differences) | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 基礎棟第2講義室 |
| 3 | 11 / 28 (Mon) | 5-6 | Exercise | Theme: PubMed の使い方 How to use PubMed 検索エンジン PubMed を用いて医学情報を収集 Collecting medical information using the search engine PubMed | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |
| 4 | 11 / 28 (Mon) | 7-8 | Exercise | Theme: 文献検索 Literature search 課題の設定 検索エンジン PubMed を用いて医学情報を収集 収集した情報を整理する Deciding topic Collecting medical information using the search engine PubMed Organize collected information | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |
| 5 | 11 / 28 (Mon) | 9-10 | Discussion | Theme: 個人発表 Individual announcement 収集した医学情報の発表 1. 検索の手順 2. 文献の件数 3. 関心のある文献 4. その理由 Presentation of medical information collected 1. Search Procedure 2. Amount of literature 3. Documents of Interest 4. Reason | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |

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| | Class Date | Period | Class Format | Topics and Contents of class, Course Objectives | Instructors | Class Room |
| 6 | 11 / 29 (Tue) | 1-4 | Exercise | Theme: 演習と実例講義 (1) Exercise and Example Lecture (1) 1 . 文献検索 2 . 文献に関する PICO/PECO 表を作成する 3 . リサーチクエスチョンをたてる 1. Literature search 2. Prepare a PICO/PECO table on the literature 3. Creating a Research Question | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |
| 7 | 11 / 29 (Tue) | 5-10 | Exercise | Theme: 演習と実例講義 (2) Exercise and Example Lecture (2) 1 . 文献検索 2 . 文献に関する PICO/PECO 表を作成する 3 . リサーチクエスチョンをたてる 1. Literature search 2. Prepare a PICO/PECO table on the literature 3. Creating a Research Question | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |
| 8 | 11 / 30 (Wed) | 1-4 | Exercise | Theme: 演習と実例講義 (3) Exercise and Example Lecture (3) 1 . 文献検索 2 . 文献に関する PICO/PECO 表を作成する 3 . リサーチクエスチョンをたてる 1. Literature search 2. Prepare a PICO/PECO table on the literature 3. Creating a Research Question | Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |
| 9 | 11 / 30 (Wed) | 5-10 | Exercise | Theme: 演習と実例講義 (4) Exercise and Example Lecture (4) 1 . 文献検索 2 . 文献に関する PICO/PECO 表を作成する 3 . リサーチクエスチョンをたてる 1. Literature search 2. Prepare a PICO/PECO table on the literature 3. Creating a Research Question | Kyoko Nomura Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki | 5B 実習室 |

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| | Class Date | Period | Class Format | Topics and Contents of class, Course Objectives | Instructors | Class Room |
| 10 | 12 / 1 (Thu) | 1-4 | Group learning | <p>Theme: 中間発表 Interim announcement 文献発表（文献数は人数分とする）</p> <ol style="list-style-type: none"> 1. 研究の目的 2. 研究デザイン 3. 結果 4. 考察（先行研究は研究課題とした疑問を解決できていたかどうか） <p>グループの研究課題について（5W1H）を考え直す</p> <p>Published literature (number of literature per person)</p> <ol style="list-style-type: none"> 1. Purpose of the Study 2. Study Design 3. RESULTS 4. Discussion (Whether previous studies were able to resolve the question that was the subject of the study) <p>Reviewing the Group's research issues (5W1H)</p> | <p>Kyoko Nomura Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki</p> | 5B 実習室、 チュートリアル室 |
| 11 | 12 / 1 (Thu) | 5-10 | Exercise | <p>Theme: リサーチクエスションの修正 To modify re- search questions</p> <ol style="list-style-type: none"> 1. 文献を検索し直す 2. 文献整理 3. PICO/PECO 表を作成する 4. 考察 5. 今後の研究課題としての PICO/PECO を作成する <ol style="list-style-type: none"> 1. Researching the literature 2. Arrangement of Literature 3. Create PICO/PECO tables 4. Discussion 5. Preparing PICO/PECO as a Future Research Agenda | <p>Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki</p> | 5B 実習室 |
| 12 | 12 / 2 (Fri) | 1-6 | Discussion | <p>Theme: グループ発表（最終発表）Group announcement (final announcement)</p> <p>自己評価 ピア評価 教員評価 実習の内容を決められた様式に従って口頭で発表できる。</p> <p>Self-evaluation Peer evaluation Teacher Evaluation</p> <p>The trainee may make an oral presentation in accordance with the format specified in the content of the practical training.</p> | <p>Kyoko Nomura Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki</p> | 基礎棟第 2 講義室 |
| 13 | 12 / 2 (Fri) | 7-10 | Self learning | <p>Theme: レポート提出 Report submission 実習の内容を決められた様式に従って文書で発表できる。</p> <p>They can be presented in writing according to the specified format.</p> | <p>Eri Maeda Toyoto Iwata Yong Kim Fong Roseline Teiichiro Yamazaki</p> | 基礎棟第 2 講義室 |