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| 授業科目名<br>Course Title                                 | 腫瘍病理学セミナー<br>Seminar on Tumor Pathology   |
| 担当教員<br>Instructor                                    | 榎本 篤(腫瘍病理学 教授)<br>Atsushi Enomoto (Professor, Tumor Pathology)  |
| 単位数<br>Number of Credits                              | 10単位<br>10 credits  |
| 期間・曜日・時限<br>Time and Date                             | 通年(前期・後期)、毎週木曜 9:00～11:00<br>Whole year, 9:00-12:00AM on every Thursday   |
| 実施場所<br>Place   | 医系研究棟2号館 2階 腫瘍病理学教室<br>Department of Tumor Pathology  |
| 授業形態<br>Type of Class                                 | 演習<br>Seminar   |
| 授業の目的<br>Objectives of the Course                     | 患者由来の腫瘍の病理検体の所見を形態学的にとらえる能力を涵養し、臨床医学における病理診断学の意義を理解する。<br>Students will understand histological approaches to find out abnormal findings in tissue sections of tumors obtained from patients, and learn the significance of pathological diagnosis in clinical medicine.  |
| 学習到達目標<br>Goals of the Course                         | (1) 様々ながんの組織学的特徴あるいは遺伝子異常を論じた過去の文献の内容を理解する。(2) がん細胞自身以外に、腫瘍浸潤リンパ球、がん関連線維芽細胞、腫瘍血管等の微小環境の構成因子の重要性を説いた過去の病理学的知見を理解する。<br>Students will learn (1) the morphological characteristic of cancer cells and their gene expression patterns through the study of the literature in the field of pathology diagnosis. They will also understand (2) how pathological approaches are useful for understanding the significance of the components of the tumor microenvironment, including immune cells, cancer-associated fibroblasts and tumor vessels, through the study of the literature.   |
| 授業の構成<br>Course Content                               | 上記目的および目標に沿った過去の文献あるいは教科書を精読し、質問事項を整理する。また文献が論文であれば、その論文で明らかになったこと、今後の残された課題事項について理解する。論文内容をまとめ、同僚の前でプレゼンテーションを行う。また自身が関連する研究を行っている場合は、その研究結果の目的と意義を明確にプレゼンテーションするスキルを身につける。<br>Students will check through previous papers that described the morphological features and gene expression of cancer cells or the components of tumor microenvironment, summarize the data and contents described there, and present those and the issues that have been unaddressed in the papers to their colleagues. In case that they perform research on pathology diagnosis, they should learn skills to explicitly present the goal of their studies to their colleagues and put their experimental results in context. |
| 教科書・参考図書等<br>Textbooks/References                     | ロビンズ 基礎病理学(第10版)<br>Robbins Basic Pathology. 10th edition. By Vinay Kumar, Abul K. Abbas, Jon C. Aster. Elsevier - Health Sciences Division; 2017.  |
| 成績評価方法・基準<br>Course Evaluation Method and Criteria    | 演習におけるプレゼンテーション、ディスカッション等により総合的に判断する。<br>To be comprehensively assessed based on presentations and discussions by the student.  |
| 履修条件・関連する科目<br>Prerequisites/Related Courses          | 適宜指示する。<br>To be presented on demand.   |
| 時間外学習等<br>Self-directed Learning Outside Course Hours | 適宜指示する。<br>To be presented on demand.   |
| 質問への対応方法<br>How to Respond to Questions               | 適宜指示する。<br>To be presented on demand.   |
| 備考<br>Additional Information                          |   |