

Human Pathology

Lecture (Code: 1001, 1st-year: 4 units, 2nd-year: 2 units)

Practice (Code: 1002, 1st-year: 2 units, 2nd-year: 2 units)

Lab (Code: 1003, 1st-year: 2 units)

1. Instructors:

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2. Course Description and Timetable

Lecture

Goals/outline:

Understanding processes of pathological diagnosis for specimens obtained by biopsy, operation, and autopsy, and learning histological methods for researches

Available programs:

Lecture	from time to time
Special lecture	from time to time
Seminar	from time to time
Journal Club	Thursday 19:00 – 22:00
CPC	Tuesday 17:00 – 19:00

Practice

Goals/outline:

Practice for preparation of pathology reports and an autopsy report with several biopsy and operation materials and an autopsy case of interest.

Available programs:

Case study in Esophageal Endoscopy	Thursday 18:30 – 19:30
Case study in Pulmonology	Wednesday 17:00 – 18:30
Case study in Breast Surgery	1 st Monday 18:30 – 20:30
Case study in Neurosurgery	2 nd Monday 18:30 – 20:30
Case study in Gynecology	3 rd Monday 18:30 – 20:30
Case study in Dermatology	4 th Monday 18:30 – 20:30

Lab

Goals/outline:

Observational training of histological methods for researches

Available programs:

To be involved in research groups when necessary.

A short training course for the methods listed below.

- 1) Preparation of histological sections
- 2) Immunohistochemistry
- 3) DNA extraction from paraffin sections
- 4) In situ hybridization for paraffin sections
- 5) Real-time PCR including RT-PCR
- 6) Flow cytometry for lymphocytes
- 7) Double-colored immunofluorescence
- 8) Preparation of monoclonal antibodies for paraffin sections

3. Format:

Discussion in a small group with histological slides and microscope when necessary.

4. Venue:

Depending to the program. Confirm to lecturers before the program.

5. Grading:

Submit summary for the conference (at least 3 times) held in Thursday

6. Notes:

No limit for participants, but in a small group composed of five students or less.