

# Surgical Pathology

Lecture (Code: 1341, 1<sup>st</sup>-year: 4 units, 2<sup>nd</sup>-year: 2 units)

Practice (Code: 1342, 1<sup>st</sup>-year: 2 units, 2<sup>nd</sup>-year: 2 units)

Lab (Code: 1343, 1<sup>st</sup>-year: 2 units)

## 1. Instructors:

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## 2. Course Description and Timetable

### Lecture

Goals/outline:

The goal is to understand the definition, patho-physiology, classification, anatomical findings including immunohistochemistry, and differential diagnosis of the neoplastic and non-neoplastic diseases.

Available programs:

Lecture occasionally

Special Lecture occasionally (twice a year)

Seminar occasionally

Journal Club Every tuesday 8:30-9:00

**Surgical pathology** Conference Every tuesday 14:00-14:30

**Autopsy macroscopical** Conference Every tuesday 9:30-10:30

**Autopsy microscopical** Conference Every tuesday 17:00-18:00

Respiratory surgery- Pathology conference Every Wednesday 17:00-17:30

Neurosurgery-Pathology conference Once a month (first Monday) 18:30-19:30

Breast surgery-Pathology conference Once a month (second Monday) 18:30-19:30

Dermatology- Pathology conference Once a month (fourth Monday) 18:30-19:30

### Practice

Goals/Outline:

The goal is to understand the practice of surgical pathology (how to diagnose a disease and prepare reports) and propose problems concerning to diagnosis and patho-physiology of the diseases.

Available programs:

Surgical pathology is conducted in morning as a rule and you can participate anytime.

### Lab

Goals/Outline:

The goal is to acquire the various methods including morphological and molecular biological technologies to carry out research.

Available program:

1) Preparation of light microscopic specimens

2) Method of immunohistochemistry

3) Preparation and observation of electron microscopic specimens

4) DNA and RNA preparation from fresh and paraffin-embedded tissues and realtime-PCR analysis

5) FISH analysis of paraffin-embedded specimens

6) Flowcytometry analysis of malignant lymphoma

## 3. Format:

Both practical and laboratory exercises are conducted by small members of students when a clinical specimen is available. Students should notify us what method(s) they wish to learn beforehand and we will contact them when the time comes.

## 4. Venue:

Lectures, practice, and lab are conducted at B-5floor Pathology center.