



**HANYANG UNIVERSITY**  
COLLEGE OF MEDICINE

# **HY College of Medicine**

## **Visiting Observership**

# Observership Rotation Department

## SEOUL HOSPITAL

Cardiology  
Dermatology  
Emergency Medicine  
Endocrinology & Metabolism  
General Surgery  
Hematology and medical oncology  
Laboratory Medicine  
Neurology  
Neurosurgery  
Ophthalmology  
Orthopedic Surgery  
Otolaryngology-Head and Neck Surgery  
Pathology  
Pediatrics  
Plastic and Reconstructive Surgery  
Radiology  
Thoracic and Cardiovascular Surgery

## GURI HOSPITAL

Dermatology  
Neurosurgery  
Ophthalmology  
Orthopedic Surgery  
Otolaryngology-Head and Neck Surgery  
Pediatrics  
Plastic and Reconstructive Surgery  
Radiology  
Rehabilitation and Physical Medicine

# Cardiology

<b>Hospital</b>	SEOUL	<b>Available Period</b>	All year round
<b>Duration</b>	2 ~ 4 weeks	<b>Capacity</b>	1 ~ 4 person(s)
<b>Prerequisites</b>	Final or Penultimate year in medical school	<b>Director / Supervisor</b>	Prof. Jin-Kyu Park Prof. Kyoung-Soo Kim

## Content

1. Basic research
2. EKG
3. Hypertension
4. Heart Failure
5. Coronary Artery Disease
6. Shock
7. Arrhythmia
8. Valvular Heart Diseases
9. Peripheral arterial Disease
10. Cardiomyopathy and Pericardial Disease

# Dermatology

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	Dec, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 person
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Jeong-Eun Kim Prof. Joung-Soo Kim

## Content

1. General Considerations for Dermatological Diseases
2. Overview of Biology, Development, and structure of Skin
3. Approach to Dermatologic Diagnosis
4. Therapies of Dermatologic Diseases

# Emergency Medicine

<b>Hospital</b>	SEOUL	<b>Available Period</b>	Dec, 2017 ~ Jan, 2018
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 ~ 2 person(s)
<b>Prerequisites</b>	English(Speaking/Listening) Only No disabled student (Because of no proper facility)	<b>Director / Supervisor</b>	Prof. Tae-Ho Lim

## Content

1. General concept of Emergency Medicine
2. Basic life support training
3. Advanced cardiac life support training
4. Advanced trauma life support training
5. Basic airway skill training
6. Acute intoxication simulation
7. EKG training
8. Emergency Ultrasound
9. Wound management
10. Clinical Procedure Practice
11. Case based training : Optional ( 2-3 among above contents )

※ This program will be able to progress after prior consultation between students and professors

# Endocrinology & Metabolism

<b>Hospital</b>	SEOUL	<b>Available Period</b>	All year round
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 person
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Dong-Sun Kim

## Content

1. Diabetes mellitus
2. Hypoglycemia
3. Metabolic syndrome & obesity
4. Hypothyroidism
5. Thyroid disease : Hypothyroidism, Thyrotoxicosis, Thyroid nodule
6. Disorders of pituitary gland
7. Disorders of adrenal gland
8. Disorders of bone & mineral metabolism

# General Surgery

<b>Hospital</b>	SEOUL	<b>Available Period</b>	Nov ~ Dec , 2017
<b>Duration</b>	2 ~ 4 weeks	<b>Capacity</b>	1 ~ 2 person(s)
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Kyeong-Geun Lee

## Content

1. Upper GI surgery
2. Lower GI surgery
3. Hepatopancreatobiliary surgery
4. Vascular surgery
5. Transplantation surgery (liver, kidney)
6. Breast & Endocrine surgery
7. Metabolic & bariatric surgery

# Hematology and Medical Oncology

<b>Hospital</b>	SEOUL	<b>Available Period</b>	Mar, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 person
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Ji-Eun Uhm

## Content

1. Multidisciplinary approach to cancer patients: diagnosis and treatment plan
2. Management of chemotherapy-induced adverse events and supportive care
3. Cytopenia including anemia and thrombocytopenia: diagnosis and treatment plan
4. Malignant hematologic diseases: acute leukemia, malignant lymphoma, multiple myeloma and myelodysplastic syndrome, etc.
5. Hematopoietic stem cell transplantation

# Laboratory Medicine

<b>Hospital</b>	SEOUL	<b>Available Period</b>	Dec, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 person
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Yang-Soon Lee

## Content

1. Clinical chemistry
2. Diagnostic hematology
3. Diagnostic immunology
4. Clinical microbiology
5. Transfusion medicine

# Neurology

<b>Hospital</b>	SEOUL	<b>Available Period</b>	Nov ~ Dec, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 ~ 4 person(s)
<b>Prerequisites</b>	Last two years in medical school	<b>Director / Supervisor</b>	Prof. Hee-Jin Kim

## Content

1. Stroke intervention
2. Dementia
3. Amyotrophic lateral sclerosis
4. Parkinson's disease
5. Stem cell therapy

## Additional Information

1. Observation of Regional center for dementia
2. Attending in basic science meeting
3. Attending academy conference

# Neurosurgery

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	All year round
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 ~ 2 person(s)
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Koang-Hum Bak

## Content

1. Neurosurgery and Radiology Joint Conference
2. Neurological Examination
3. Basic Neurosurgical Care and Treatment
4. Spine Surgery
5. Cerebrovascular surgery
6. Neurointervention
5. Brain Tumor surgery and Radiosurgery

# Ophthalmology

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	Dec, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 ~ 2 person(s)
<b>Prerequisites</b>	Fluency in English Final year in medical school	<b>Director / Supervisor</b>	Prof. Hee-Yoon Cho

## Content

1. Combined Meeting
2. Orientation & Journal Reading
3. Ophthalmologic Examination
4. Retina Surgery
5. Cataract Surgery
6. Glaucoma Surgery
7. Strabismus Surgery
8. Retina Laser Clinic
9. Glaucoma Laser Clinic

# Orthopedic Surgery

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	Dec, 2017
<b>Duration</b>	1 ~ 4 weeks	<b>Capacity</b>	1 ~ 4 person(s)
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Jung-II Lee

## Content

1. Fracture & Orthopedic Trauma
2. Spine Surgery
3. Hand Surgery & Reconstructive Microsurgery
4. Knee Surgery
5. Shoulder Surgery
6. Foot and Ankle Surgery
7. Hip Surgery
8. Basic Orthopedic Care and Treatment

# Otolaryngology-Head and Neck Surgery

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	Nov ~ Dec, 2017
<b>Duration</b>	1 ~ 4 weeks	<b>Capacity</b>	1 ~ 4 person(s)
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Seung-Hwan Lee

## Content

1. General concept and introduction to Otolaryngology Head & Neck Surgery
2. Physical Examination in ENT and Neck fields
3. Introduction to various examination scopes  
(Laryngoscope, Sinoscope, Otoscope, Nasopharyngoscope)
4. General Otology
5. General Rhinology
6. General Laryngology
7. Introduction to Head and Neck Diseases

# Pathology

<b>Hospital</b>	SEOUL	<b>Available Period</b>	All year round
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 person
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Ki-Seok Jang

## Content

### Goal:

1. Increase understanding of clinicopathologic correlations, pathophysiological mechanisms of disease, and the interrelationships of diseased organs in systemic disorders.
2. Obtain an understanding of the various roles pathologists have and gain knowledge of the fundamental issues that pathologists encounter in surgical pathology.

### Description:

Students will learn the basics of normal histology and the pathology of various organ systems while signing out and attending conferences. Students will also learn the fundamentals of how to approach a frozen section as well as the basic concepts of specimen grossing. Students will prepare and present a case-based topic of their choice at the end of program.

### Contents:

1. Surgical pathology
  - Examination of the gross specimen (Prepare samples for histologic examination)
  - Microscopic examination and interpretation (Tissue diagnosis)
  - Intraoperative consultations (frozen section)
  - Ancillary techniques in pathologic diagnosis (ie, immunohistochemistry, in-situ hybridization, fluorescent microscopy and electron microscopy)
2. Cytopathology : Exfoliative cytology, Fine needle aspiration cytology, Liquid based cytology
3. Multidisciplinary and intradepartment academic conferences

# Plastic and Reconstructive Surgery

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	All year round
<b>Duration</b>	1 ~ 8 weeks	<b>Capacity</b>	1 ~ 5 person(s)
<b>Prerequisites</b>	Last two years in medical school	<b>Director / Supervisor</b>	Prof. Hee-Chang Ahn

## Content

The students will be able to participate in various plastic surgery procedures including facial trauma, hand surgery, free tissue transfers including breast, head and neck, and lower extremity reconstruction, cranio-facial surgery, and cosmetic surgery. After the course, students will be able to understand the basic principles of plastic and reconstructive surgery.

The students will be integrated into our resident team, to participate in daily rounds, the operating room, the emergency room, and the outpatient clinic. They will also get a hands-on experience on some of the minor surgical procedures in the realm of plastic and reconstructive surgery.

As students will be considered as regular members of the resident team, night duty on a designated day of the week is encouraged to all participants. In weekly clinics, in consultation with the attendings and senior residents, student clerks will be encouraged to see and consult with patients, whenever possible. They will also be given an opportunity to follow these patients in the operation, and also in the rounds. In the operating room, the students will learn suturing skills and participate in cases, as appropriate. The students will also be offered an opportunity to present a case each week, regarding a case of their preference, in a 15-20 minute Power Point presentation with a case review.

# Radiology

<b>Hospital</b>	SEOUL, GURI	<b>Available Period</b>	All year round
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 ~ 2 person(s)
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Chief Resident

## Content

1. Abdominal Radiology
2. Thoracic Radiology
3. Neuroradiology/Head&neck
4. Musculoskeletal Radiology
5. Breast/Thyroid Imaging
6. Interventional Radiology

# Rehabilitation and Physical Medicine

<b>Hospital</b>	GURI	<b>Available Period</b>	Jul, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 person
<b>Prerequisites</b>	Final year in medical school	<b>Director / Supervisor</b>	Prof. Seong-Ho Jang

## Content

1. General concept of Rehabilitation and Physical Medicine
2. Stroke Rehabilitation
3. musculoskeletal Rehabilitation
4. Pediatric Rehabilitation
5. Electrophysiological diagnosis
6. Motion analysis

# Thoracic and Cardiovascular Surgery

<b>Hospital</b>	SEOUL	<b>Available Period</b>	Aug ~ Oct, 2017
<b>Duration</b>	1 ~ 2 weeks	<b>Capacity</b>	1 ~ 2 person (for same period)
<b>Prerequisites</b>	Completion of basic medical science courses Experience of clerkship in medical school		
<b>Director / Supervisor</b>	Prof. Hyuck Kim		

## Content

1. General concept of thoracic surgery
2. Surgical treatment of coronary heart disease and valvular heart disease
3. Surgical treatment of congenital heart disease
4. Surgical treatment of aortic disease
5. Minimally invasive thoracic operation
6. General concept of postoperative care : General ward and ICU
7. Emergency care of thoracic and cardiovascular diseases