



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 & Adolescent
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

Hospital	SEOUL	Available Period	All year round
Duration	2 ~ 4 weeks	Capacity	1 ~ 4 person(s)
Prerequisites	Final or Penultimate year in medical school	Director / Supervisor	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

Hospital	SEOUL, GURI	Available Period	Dec, 2017
Duration	1 ~ 2 weeks	Capacity	1 person
Prerequisites	Final year in medical school	Director / Supervisor	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

Hospital	SEOUL	Available Period	Dec, 2017 ~ Jan, 2018
Duration	1 ~ 2 weeks	Capacity	1 ~ 2 person(s)
Prerequisites	English(Speaking/Listening) Only No disabled student (Because of no proper facility)	Director / Supervisor	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

Hospital	SEOUL	Available Period	All year round
Duration	1 ~ 2 weeks	Capacity	1 person
Prerequisites	Final year in medical school	Director / Supervisor	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

Hospital	SEOUL	Available Period	Nov ~ Dec , 2017
Duration	2 ~ 4 weeks	Capacity	1 ~ 2 person(s)
Prerequisites	Final year in medical school	Director / Supervisor	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

Hospital	SEOUL	Available Period	Mar, 2017
Duration	1 ~ 2 weeks	Capacity	1 person
Prerequisites	Final year in medical school	Director / Supervisor	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

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

Content

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

Neurology

Hospital	SEOUL	Available Period	Nov ~ Dec, 2017
Duration	1 ~ 2 weeks	Capacity	1 ~ 4 person(s)
Prerequisites	Last two years in medical school	Director / Supervisor	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

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

Hospital	SEOUL, GURI	Available Period	Dec, 2017
Duration	1 ~ 2 weeks	Capacity	1 ~ 2 person(s)
Prerequisites	Fluency in English Final year in medical school	Director / Supervisor	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

Hospital	SEOUL, GURI	Available Period	Dec, 2017
Duration	1 ~ 4 weeks	Capacity	1 ~ 4 person(s)
Prerequisites	Final year in medical school	Director / Supervisor	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

Hospital	SEOUL, GURI	Available Period	Nov ~ Dec, 2017
Duration	1 ~ 4 weeks	Capacity	1 ~ 4 person(s)
Prerequisites	Final year in medical school	Director / Supervisor	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

Hospital	SEOUL	Available Period	All year round
Duration	1 ~ 2 weeks	Capacity	1 person
Prerequisites	Final year in medical school	Director / Supervisor	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

Pediatrics & Adolescent

Hospital	SEOUL, GURI	Available Period	Jul ~ Sep, 2017
Duration	2 ~ 4 weeks	Capacity	2 persons
Prerequisites	Possible English conversation Basic medical knowledge Final year of medical school		
Director / Supervisor	Seoul : Prof. Hyun Ju Lee Guri : Prof. Jae-Won Oh		

Content

1. Pediatric Allergy and Pulmonology
2. Pediatric Neurology
3. Pediatric Endocrinology
4. Newborn
5. Neonatal Intensive Care
6. Pediatric Hemato-oncology
7. Pediatric gastrointestinology
8. Pediatric cardiology
9. Developmental clinic

Plastic and Reconstructive Surgery

Hospital	SEOUL, GURI	Available Period	All year round
Duration	1 ~ 8 weeks	Capacity	1 ~ 5 person(s)
Prerequisites	Last two years in medical school	Director / Supervisor	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

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

Hospital	GURI	Available Period	Jul, 2017
Duration	1 ~ 2 weeks	Capacity	1 person
Prerequisites	Final year in medical school	Director / Supervisor	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

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