

Medical Elective Programs in the 3 TMU-affiliated Hospitals

	<u>TMU Hospital</u>	<u>Wan Fang Hospital</u>	<u>Shuang Ho Hospital</u>
<u>1.</u>	<u>Anesthesiology</u>	<u>Anesthesiology</u>	<u>Anesthesiology</u>
<u>2.</u>	<u>Cardiology</u>	<u>Cardiology</u>	<u>Cardiology</u>
<u>3.</u>	<u>Department of medical imaging</u>	<u>Dermatology</u>	<u>General Internal Medicine</u>
<u>4.</u>	<u>Dermatology</u>	<u>Emergency</u>	<u>General Surgery</u>
<u>5.</u>	<u>Emergency Medicine</u>	<u>General Surgery</u>	<u>Hematology & Oncology</u>
<u>6.</u>	<u>Family Medicine</u>	<u>Gastroenterology</u>	<u>Infection Diseases</u>
<u>7.</u>	<u>Gastroenterology</u>	<u>Metabolism</u>	<u>Nephrology</u>
<u>8.</u>	<u>General Surgery</u>	<u>Nephrology</u>	<u>Neurology</u>
<u>9.</u>	<u>Nephrology</u>	<u>Neurosurgery</u>	<u>Ophthalmology</u>
<u>10.</u>	<u>Neurosurgery</u>	<u>Obstetrics & Gynecology</u>	<u>Orthopedics</u>
<u>11.</u>	<u>Nuclear Medicine</u>	<u>Orthopedics</u>	<u>Otolaryngology Head and Neck Surgery</u>
<u>12.</u>	<u>Orthopedics</u>	<u>Otolaryngology</u>	<u>Pediatrics</u>
<u>13.</u>	<u>Otolaryngology</u>	<u>Pediatrics</u>	<u>Psychiatry</u>
<u>14.</u>	<u>Pediatrics</u>	<u>Psychiatry</u>	<u>Pulmonary Medicine</u>
<u>15.</u>	<u>Plastic Surgery</u>	<u>Plastic Surgery</u>	<u>Radiation Oncology</u>
<u>16.</u>	<u>Radiation Oncology</u>	<u>Radiation Oncology</u>	<u>Radiology</u>
<u>17.</u>	<u>Rehabilitation</u>	<u>Thoracic Surgery</u>	<u>Rehabilitation</u>
<u>18.</u>	<u>Thoracic Surgery</u>	<u>Urology</u>	<u>Rheumatology</u>

附設醫院開放科別：

1. Anesthesiology

Anesthesiology (TMU Hospital)	
Program director/supervisor	Dr. CHIEN-YU, CHEN
Duration	Min: 1 week
	Max: 2 week
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input checked="" type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	Nil.
LINK	https://english.tmuh.org.tw/Department/81
Content	<ol style="list-style-type: none">1. Difficult airway evaluation and management2. Pre-anesthetic risks assessment and preparation3. How to make anesthetic plan4. Acute and chronic pain evaluation and management5. Intra-operative monitoring6. Inhalational and intravenous anesthetics7. Neuromuscular blockade agents8. Regional anesthesia9. Anesthesia for robotic surgery10. Quality assurance and patient safety in anesthesia

2. Cardiology

Cardiology (TMU Hospital)	
Program director/supervisor	Dr. Chun-Yao Huang
Duration	Min: 1 week
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/AB
Content	<ol style="list-style-type: none"> 1.EKG 2.Hypertension 3.Heart Failure 4.Coronary Artery Disease 5.Shock 6.Arrhythmia 7.Valvular Heart Diseases 8.Peripheral arterial Disease 9.Cardiomyopathy and Pericardial Disease

3. Department of medical imaging

Department of medical imaging(TMU Hospital)	
Program director/supervisor	Dr. CHING-HUEI, KUNG /CHENG-YU, CHEN,MD
Duration	Min: 1 week
	Max:1 week
Prerequisites	<input type="checkbox"/> Final year in medical school / <input checked="" type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/82
Content	<ol style="list-style-type: none"> 1. Interpret a chest radiograph 2. Interpret a abdominal radiograph 3. Interpret an extremity radiograph 4. Interpret a neural CT image 5. Interpret a chest CT image 6. Interpret an abdominal CT image 7. Interpret an abdominal CT image 8. Interpret an interventional radiology 9. Practice of abdominal ultrasound 10. Interpret a barium radiography & an IVU

4. Dermatology

Dermatology (TMU Hospital)	
Program director/supervisor	Dr. HSIOU-HSIN, TSAI
Duration	Min: 1 week
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/11
Content	<ol style="list-style-type: none">1. General Disease of Dermatology2. Therapies of Dermatological Diseases3. Examinations of Dermatological Diseases

5. Emergency Medicine

Emergency Medicine (TMU Hospital)	
Program director/supervisor	Dr. SEN-KUANG, HOU, MD PhD
Duration	Min: 1weeks
	Max: 2weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input checked="" type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmuh.org.tw/Department/86
Content	<ol style="list-style-type: none"> 1. Certification of Basic Life Support 『Essential』 2. Certification of Advance Life Support 『Option』 <ul style="list-style-type: none"> ➤ ACLS for internist or Non Trauma patient/ System Approach and Care ➤ ATLS for Trauma patient ➤ APLS for Pediatric group ➤ Other ALS for Other Emergency circumstance 3. Basic knowledge of Emergency Medical System (EMS) 『Essential』 <ul style="list-style-type: none"> ➤ Triage ➤ Chain of survival ➤ Rules of Transportation or referral 4. Basic concept of Team Dynamics 『Option』 <ul style="list-style-type: none"> ➤ Roles ➤ What to communicate or How to communicate 5. Enthusiasm for Life Support skill and knowledge 『Essential』

6. Family Medicine

Family Medicine (TMU Hospital)	
Program director/supervisor	Dr. YANG-CHING, CHEN
Duration	Min: 1 weeks
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmuh.org.tw/Department/01
Content	<ol style="list-style-type: none">1. Overview of preventive health care2. Family practice oriented preventive health care3. Cancer screening4. Immunization and chemoprevention5. Health behavior and counseling6. Overview of occupational medicine

7. Gastroenterology

Gastroenterology (TMU Hospital)	
Program director/supervisor	Dr. JUI-HSIANG, TANG
Duration	Min: 1 week
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input checked="" type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
Link	https://english.tmu.org.tw/Department/AA
Content	<ol style="list-style-type: none"> 1. General concept of Rehabilitation and Physical Medicine 2. Neurological Rehabilitation 3. Orthopedic Rehabilitation 4. Pediatric Rehabilitation 5. Cardiopulmonary Rehabilitation 6. Electro Diagnosis 7. Soft Tissue Ultrasound 8. Sport Medicine 9. Disability and Evaluation 10. Assistive Technology

8. General Surgery

General Surgery (TMU Hospital)	
Program director/supervisor	Dr. CHIA-CHE CHEN
Duration	Min: 1 week
	Max: 2 weeks
Prerequisites	<input type="checkbox"/> Final year in medical school / <input checked="" type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	None
Link	https://english.tmu.org.tw/Department/BW
Content	<ol style="list-style-type: none">1. Department of Acute Care Surgery and Traumatology2. Department of Breast Surgery3. Department of Colorectal Surgery4. Department of Gastrointestinal Surgery5. Department of Metabolic and Bariatric Surgery

9. Nephrology

Nephrology (TMU Hospital)	
Program director/supervisor	Dr. His – Hsien Chen
Duration	Min: 1 week
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input checked="" type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/AD
Content	<ol style="list-style-type: none"> 1. Renal physiology 2. Acute kidney injury 3. Electrolyte imbalance 4. Acid-base disorders 5. Glomerulonephritis 6. Renal pathology 7. Chronic kidney disease 8. Hemodialysis 9. Peritoneal dialyiss 10. Hemophresis 11. Kidney transplantation

10. Neurosurgery

Neurosurgery (TMU Hospital)	
Program director/supervisor	Dr. CHUNG-CHE, WU
Duration	Min: 1 weeks
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/07
Content	<ol style="list-style-type: none"> 1. Combined Meeting 2. Orientation & Journal Reading 3. Service Meeting 4. Neurological Examination 5. Teaching Clinic 6. Combined Meeting of Pediatrics Brain Tumor

11. Nuclear Medicine

Nuclear Medicine(TMU Hospital)	
Program director/supervisor	Ya-Ju Tsai, MD 、 Han, Deng-Yu, M.D.
Duration	Min:1 week
	Max:1 week
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	Nil
LINK	https://english.tmuh.org.tw/Department/85
Content	<ul style="list-style-type: none"> 1 、 Introduction of Nucler Medicine 、 instrumen tation 2 、 Radiation protection 3 、 Nucler cardiology / myocardial perfusion scan 4 、 Nucler neurology / brain perfusion scan 、 Trodat 5 、 Nucler Oncology / PET sacn 、 bone scan 6 、 RIA Introduction

12. Orthopedics

Orthopedics (TMU Hospital)	
Program director/supervisor	Director Jia-Lin Wu, MD, MS
Duration	Min: 1 week
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	Nil
LINK	https://english.tmu.org.tw/Department/06
Content	<ol style="list-style-type: none"> 1. General Orthopaedic Care and Treatment 2. Sports Injury / Shoulder and Knee Surgery 3. Joint Preservation Surgery and Reconstruction Surgery 4. Fracture Treatment 5. Osteoporosis Approach and Treatment 6. Hand and Upper Limb Surgery 7. Foot and Ankle Surgery 8. Orthopaedic Oncology (Musculoskeletal Tumors)

13. Otolaryngology

Otolaryngology(TMU Hospital)	
Program director/supervisor	Dr. CHE-HSUAN LIN
Duration	Min:1 week
	Max:1 week
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/09
Content	<ol style="list-style-type: none"> 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

14. Pediatrics

Pediatrics (TMU Hospital)	
Program director/supervisor	Dr. Yen-Lin Liu
Duration	Min: 1 weeks
	Max: 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://www.tmu.org.tw/team/team/04
Content	<ol style="list-style-type: none"> 1. Development and Assessment of Normal and Sick Children 2. Acute Care of Pediatric Inpatients 3. Common Infectious Diseases in Children 4. Pediatric Allergy & Immunology 5. Pediatric Nutrition & Fluid Management 6. Neonatology and Basic Care of Preterm Infants 7. Pediatric Neurology 8. Pediatric Hematology 9. Pediatric Oncology & Brain Tumors 10. Inborn Error & Metabolism

15. Plastic Surgery

Plastic Surgery (TMU Hospital)	
Program director/supervisor	Dr. Cheng-Jen Chang
Duration	Min:1 week
	Max:2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/BZ
Content	<ol style="list-style-type: none"> 1. Physiology of wound healing 2. Method of the wound care and selection of dressing 3. Suture technique 4. Facial trauma and craniofacial surgery 5. Breast augmentation, reconstruction, and mastopexy 6. Hand injuries 7. Burns pathophysiology and care 8. Flap surgery 9. Aesthetic and laser surgery 10. Soft tissue injury and management 11. Compartment syndrome

16. Radiation Oncology

Radiation Oncology(TMU Hospital)	
Program director/supervisor	Prof. JENG-FONG, CHIOU
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	Fluency in English
LINK	https://english.tmu.org.tw/Department/84
Content	<ol style="list-style-type: none"> 1. Concept of radiotherapy in cancer treatment 2. Basic understanding of radiation biology and radiation physics 3. History and advance of radiotherapy 4. Definitive, neoadjuvant and adjuvant radiotherapy 5. Radiotherapy in cancer treatment 6. Sequential and concurrent chemo-radiotherapy 7. Evidence-based medicine in radiation oncology 8. Cancer treatment and guidelines 9. Oncology emergency and emergent radiotherapy 10. Radiotherapy in benign tumors 11. Treatment work flow and clinicians QA for radiotherapy 12. CT simulation and fixation 13. Target contouring and imaging interpretation 14. Evaluation of radiation treatment plan 15. Patient evaluation before, during and after radiotherapy 16. Complication and management of side effects from radiotherapy

17. Rehabilitation

Rehabilitation (TMU Hospital)	
Program director/supervisor	Dr. JIUNN-HORNG, KANG
Duration	Min: 1week
	Max: 2weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
LINK	https://english.tmu.org.tw/Department/141
Content	<ol style="list-style-type: none"> 1. General Concept of Rehabilitation and Physical Medicine 2. Neurological Rehabilitation 3. Orthopedic Rehabilitation 4. Pediatric Rehabilitation 5. Cardiopulmonary Rehabilitation 6. Electrodiagnosis 7. Soft Tissue Ultrasound 8. Sport Medicine 9. Disability and Evaluation 10. Assistive Technology

18. Thoracic Surgery

Thoracic Surgery (TMU Hospital)	
Program director/supervisor	Dr. HSIN-YI, CHIU
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	<input checked="" type="checkbox"/> Final year in medical school / <input type="checkbox"/> Clerk / <input type="checkbox"/> _____
Additional Requirements	nil
Link:	https://english.tmu.org.tw/Department/BC
Content	<ol style="list-style-type: none"> 1. General concept of Thoracic surgery 2. Lung cancer 3. Esophageal cancer 4. Mediastinal tumor 5. Pneumothorax 6. Empyema 7. Thoracic trauma 8. Tracheostomy 9. Minimal invasive thoracic surgery 10. Surgical critical care

萬芳醫院開放科別:

1. Anesthesiology

Anesthesiology (Wan Fang Hospital)	
Program director/supervisor	Kung-Yen Chen
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school
Additional Requirements	Nil
Content	<p>Education Objectives of medical students in our division:</p> <p>A. Knowledge and skills to be gained</p> <ol style="list-style-type: none">1. To be familiar with the airway anatomy, physiologic changes in normal and anesthetized conditions, and anesthetic pharmacokinetics and pharmacodynamics.2. To be familiar with airway management equipments and strategies, ultrasound-guided imaging, and peri-operative monitoring systems.3. To understand the strategies of pre-emptive analgesia, balanced anesthesia, and multi-modal analgesia.4. To be able to search efficiently and evaluate the medical literature, including print and electronic media, in order to find pertinent and accurate information about a patient or condition. <p>B. Desirable behavior</p> <ol style="list-style-type: none">1. Able to interact with working staffs in a professional and appropriate manner.2. Able to learn by participation in operating room routine rounds, teaching conferences and other educational activities.

	<p>3. Willing and able to help the requesting physicians in a consultative or co-management capacity, according to the needs of the situation.</p> <p>4. Able to appreciate social context of illness, and respect individual difference of medical practices.</p> <p>For Foreign Clinical Observers:</p> <p>1. Clinical observers from other countries will participate together with our medical students during the rotation period.</p> <p>2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country.</p> <p>3. All submitted application forms must be written in English or Chinese.</p> <p>4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance.</p> <p>5. For safety reasons, observers are strictly prohibited from making any clinical decisions or performing physician behavior, including inquiring or touching the patient, or making diagnosis or giving advice on any medical issues during the program, even if the observer holds a medical doctor license in a foreign country.</p>
Contact	103137@w.tmu.edu.tw
Link	http://www.wanfang.gov.tw/

2. Cardiology

Cardiology (Wan Fang Hospital)	
Program director/supervisor	Dr. Lin Yung-Kuo
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	<ul style="list-style-type: none"> ■ Final year in medical school ■ Clerk ■ Medical student at least on their 3rd year of Medicine
Additional Requirements	Nil
Content	<p>Education Objectives of our medical students in our division:</p> <p>A. Knowledge to be gained</p> <ol style="list-style-type: none"> 1. To understand the pathophysiology, clinical manifestations, diagnosis and management of cardiology problems, including hypertension, ischemic heart disease, valvular heart disease, arrhythmia, and heart failure, with emphasis on the commonly seen by a specialist in the out-patient clinic setting. 2. To be familiar with the clinical manifestations and principles of treatment of major cardiology emergencies, including AMI, heart failure with/without cardiogenic shock, PSVT, and VT/Vf. 3. To get familiar with the indications, principles, complications, and interpretation of cardiology tests, that include electrocardiography, echocardiography, 24 hours Holter's electrocardiography, treadmill electrocardiography, thallium scan, and coronary angiography. <p>B. Skills to be acquired</p> <ol style="list-style-type: none"> 1. To have ability to take a good medical history and perform a careful and accurate physical examination. 2. To be able to write concise, accurate and informative histories, physical examinations and progress notes. 3. To be able to formulate comprehensive and accurate problem lists, differential diagnoses and plans of management. 4. To be able to write concise, accurate, informative and helpful consultation notes, clearly outlining the recommendations and explaining their rationale.

	<p>5. To be able to search efficiently and evaluate the medical literature, including print and electronic media, in order to find pertinent and accurate information about a patient or condition.</p> <p>C. Desirable behavior</p> <ol style="list-style-type: none"> 1. Able to interact with patients and families in a professionally appropriate manner. 2. Able to learn by participation in ward rounds, teaching conferences and other educational activities. 3. Willing and able to teach medical students. 4. Willing and able to help the requesting physician in a consultative or co-management capacity, according to the needs of the situation. 5. To be able to have a habit of considering the cost-effectiveness of diagnostic and treatment strategies. 6. Able to appreciate social context of illness. <p>For Foreign Clinical Observer:</p> <ol style="list-style-type: none"> 1. Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period. 2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country. 3. All submitted application forms must be written in English or Chinese. 4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance. 5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.
Contact	B001089093@tmu.edu.tw (Dr. Wang Cheng-An)
Link	http://www.taiwanhealthcare.com/english/thc0201a.aspx

3. Dermatology

Dermatology (Wan Fang Hospital)	
Program director/supervisor	Dr. Yu-Chuan (Jack) Li
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Nil
Additional Requirements	Nil
Content	<ol style="list-style-type: none">1. General dermatology Outpatient clinic, Monday to Friday2. Dermatopathology Clinicopathological Conference, Once a week3. Cosmetic dermatology Basic laser treatment4. Surgical dermatology Basic skin tumor removal, nail surgical procedures5. Dermatological examination and treatment Liquid nitrogen therapy KOH examination Tzank Smear examination, Dermoscopy examination
Contact	jack88@gmail.com
Link	http://www.taiwanhealthcare.com/

4. Emergency

Emergency (Wan Fang Hospital)	
Program director/supervisor	Dr. Ching-Wan Hsu ` Dr. Wen-Cheng Huang
Duration	Min. 1 week
	Max. 2weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. General concept of Emergency Medicine 2. Advanced cardiac life support training 3. Advanced trauma life support training 4. Emergency imaging teaching 5. Emergency Ultrasound 6. Emergency Medical service 7. Problem-based thinking process 8. Clinical procedure practice 9. Airway management 10. Simulation-based training
Contact	ynew0207@gmail.com
Link	http://www.wanfang.gov.tw/

5. General Surgery

General Surgery (Wan Fang Hospital)	
Program director/supervisor	Dr. Ping-Kun Hsiao
Duration	Min. 2 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. pre-operative preparation & evaluation 2. Indication, relevant anatomy & detail of major operations of general surgery 3. Post-operative care 4. Performance of good asepsis about wound care 5. Performance of suture technique 6. Familiar to symptoms & signs, diagnosis, management of core disease of general surgery 7. Well documentation of medical record 8. Well presentation of clinical case
Contact	97302@w.tmu.edu.tw
Link	http://www.wanfang.gov.tw/

6. Gastroenterology

Gastroenterology (Wan Fang Hospital)	
Program director/supervisor	Ming-Shun Wu, MD, PhD/Sheng-Wei Cheng, MD
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Medical student at least on their 3 rd year of medicine
Additional Requirements	Completed the course of gastroenterology & hepatology
Content	<p>Basic knowledge</p> <p>General gastroenterology and hepatology</p> <ol style="list-style-type: none"> 1. Common GI diseases: peptic ulcer disease, reflux esophagitis, colon polyp, colitis, gallbladder stone, acute cholecystitis/cholangitis, pancreatitis, hepatitis (hepatitis A/B/C), alcoholic liver disease, liver cirrhosis, liver abscess 2. Common GI malignancies: esophageal cancer, gastric cancer, peri-ampulla Vater cancer, pancreatic cancer, hepatocellular carcinoma, cholangiocarcinoma, colorectal cancer <p>Behavior and skills</p> <p>Try to be familiar with and have: patient care, practice-base learning and improvement, interpersonal and communication skills, professionalism and system-based practice</p> <p>Common GI examinations that can be participated in</p> <ol style="list-style-type: none"> 11. Radiofrequency ablation of liver tumor 12. Endoscopic examinations: esophagogastroduodenography, colonoscopy, enteroscopy, capsule endoscope 13. Endoscopic interventions: endoscopic polypectomy, endoscopic mucosal resection, endoscopic submucosal dissection, endoscopic hemostasis, endoscopic variceal ligation, endoscopic retrograde cholangio-pancreatography <ol style="list-style-type: none"> 1. Image examinations and reading: abdominal sonogram, abdominal/pelvic computed tomography
Contact	Ming-Shun Wu, MD, PhD (mswu@tmu.edu.tw)/Sheng-Wei Cheng, MD (97427@w.tmu.edu.tw)
Link	http://www.taiwanhealthcare.com/english/thc0201a.aspx

7. Metabolism

Metabolism (Wan Fang Hospital)	
Program director/supervisor	Ting-I Lee, MD, PhD / Han-Wen Liu, MD
Duration	1 week
Prerequisites	Medical student at least on their 3 rd year of Medicine
Additional Requirements	Completed their course in Endocrine system on their 2 nd year
Content	<p>Education Objectives of our medical students in our division:</p> <p>A. Knowledge to be gained</p> <ol style="list-style-type: none"> 1. To understand the pathophysiology, clinical manifestations, diagnosis and management of endocrine and metabolic problems, including diabetes mellitus, with emphasis on the commonly seen by a specialist in the out-patient clinic setting. 2. To be familiar with the clinical manifestations and principles of treatment of major endocrine emergencies, including decompensated diabetes mellitus, severe hypoglycemia, acute adrenal crisis, pituitary apoplexy, thyroid storm, and myxedema coma. 3. To get familiar with the indications, principles, complications, and interpretation of endocrine functional tests, that include oral glucose tolerance test, thyroid function tests, dynamic testing of pituitary-adrenal function, immunoassays of various hormones, MRI of the pituitary, nuclear imaging of the thyroid, fine-needle aspiration of the thyroid, and bone mineral density studies. <p>B. Skills to be acquired</p> <ol style="list-style-type: none"> 1. To have ability to take a good medical history and perform a careful and accurate physical examination. 2. To be able to write concise, accurate and informative histories, physical examinations and progress notes. 3. To be able to formulate comprehensive and accurate problem lists, differential diagnoses and plans of management. 4. To be able to write concise, accurate, informative and helpful consultation notes, clearly outlining the

	<p>recommendations and explaining their rationale.</p> <p>5. To be able to search efficiently and evaluate the medical literature, including print and electronic media, in order to find pertinent and accurate information about a patient or condition.</p> <p>C. Desirable behavior</p> <p>1. Able to interact with patients and families in a professionally appropriate manner.</p> <p>2. Able to learn by participation in ward rounds, teaching conferences and other educational activities.</p> <p>3. Willing and able to teach medical students.</p> <p>4. Willing and able to help the requesting physician in a consultative or co-management capacity, according to the needs of the situation.</p> <p>5. To be able to have a habit of considering the cost-effectiveness of diagnostic and treatment strategies.</p> <p>6. Able to appreciate social context of illness.</p> <p>For Foreign Clinical Observer:</p> <p>1. Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period.</p> <p>2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country.</p> <p>3. All submitted application forms must be written in English or Chinese.</p> <p>4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance.</p> <p>5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.</p>
Contact	Ting-I Lee, MD, PhD / Han-Wen Liu, MD
Link	http://www.taiwanhealthcare.com/

8. Nephrology

Nephrology (Wan Fang Hospital)	
Program director/supervisor	Yuh-Mou Sue, MD/ Chung-Yi Cheng, MD
Duration	2-4 weeks
Prerequisites	Enthusiastic in internal medicine and especially in the field of nephrology. Medical student at least in their 3 rd year of Medicine
Additional Requirements	willing to participate fulltime during their elective rotation
Content	<p>Nephrology clinical rotation will facilitate the medical students to meet the following education objectives:</p> <p>A. Knowledge obtain</p> <ol style="list-style-type: none"> 1. To understand the pathophysiology, clinical manifestations, diagnosis and management of renal disorders including common electrolytes disorders, glomerulonephritis and acute and chronic kidney diseases. Students are encouraged to join the outpatient clinic and inpatient ward-round to have full clinical exposures to see the commonly seen renal disorders. 2. To be familiar with clinical manifestations and principles of treatment of nephrology emergencies, including life-threatening hyperkalemia, metabolic acidosis, drug intoxications, uremic encephalopathy and uremic bleeding. 3. To be familiar with the indications, principles, complications, and interpretation of renal function tests, including urinalysis, blood chemistries, arterial blood gas, renal ultrasound, renal biopsy and renal pathologies. <p>B. Skill acquisition</p> <ol style="list-style-type: none"> 1. To have ability to take a good medical history and perform a thorough physical examination 2. To be able to write concise and informative admission notes and progress notes. 3. To be able to formulate a comprehensive problem list of patients, establish differential diagnoses and

	<p>management plan.</p> <ol style="list-style-type: none"> 4. To be able to search relevant and important medical literatures in order to find pertinent information about the patient they are taking care of. <p>C. Achieve desirable behavior</p> <ol style="list-style-type: none"> 1. Able to interact with patients and families in a professionally appropriate manner. 2. Able to learn by participation in ward rounds, teaching conferences and other educational activities. 3. Willing and able to teach medical students 4. Willing and able to help the requesting physician in a consultative or co-management capacity, according to the needs of the situation. 5. To be able to have a habit of considering the cost-effectiveness of diagnostic and treatment strategies. 6. To be able to appreciate social context of illness. <p>For Foreign Elective Medical Students (FEMS):</p> <ol style="list-style-type: none"> 1. FEMS from other countries will participate clinical activities with our 5th and 6th year medical students during their rotation period. 2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country. 3. All submitted applications forms must be written in English or Chinese 4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance. 5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behaviors, including inquiring or touching the patient, diagnosing or giving advice on any medical issues during the rotation program, even if the applicant holds a medical license in their country.
Contact	Dr Chung-Yi Cheng
Link	http://www.taiwanhealthcare.com/

9. Neurosurgery

Neurosurgery (Wan Fan Hospital)	
Program director/supervisor	Shu-Mei Chen, MD. PhD/Kuo-Hsing Liao, MD
Duration	Min. 1week
	Min. 2weeks
Prerequisites	Medical student at least on their 3 rd year of Medicine/ Clerk /Intern
Additional Requirements	Nil
Content	<ol style="list-style-type: none"> 1. General concept of Neurosurgery 2. Pre-operative preparation & evaluation 3. Indication, relevant anatomy & detail of major operations of Neurosurgery 4. Post-operative care 5. Performance of good asepsis about wound care 6. Performance of suture technique 7. Familiar to symptoms & signs, diagnosis, management of core disease of Neurosurgery 8. Well documentation of medical record 9. Well presentation of clinical case 10. Common Neurosurgery Disease 11. Basic Neurosurgical Technique <p>* Wanfang Neurosurgery Medical Elective Program allows students from worldwide medical school, to have a two-week experience on the Wanfang Hospital neurosurgical service. Participants are typically senior medical students who are interested in pursuing a career in neurosurgery and want to see at close hand how the residency works, although some third-year students have rotated through the service during elective periods, as well. The sub-interns usually spend two weeks on each of the two adult neurosurgery services at Wanfang Medical Center. During this time, they make rounds with the residents or attending staff, accompany surgeons to the operating room, work-up patients for critique by the resident and attending staff, and prepare presentations for the various conferences.</p>
Contact	Shu-Mei Chen, MD. PhD (99318@w.tmu.edu.tw)
Link	https://www.wanfang.gov.tw/p5_team_specialty_detail_english.aspx?dc=99318

10.Obstetrics & Gynecology

Obstetrics & Gynecology (Wan Fang Hospital)	
Program director/supervisor	Dr. Le-Ming Wang
Duration	Min. 3 weeks
	Max. 6 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<p>Learning objectives in our department practice</p> <ul style="list-style-type: none"> ● Knowledge to be learned <ol style="list-style-type: none"> 1. To gain general perspective of common gynecological disease, including their clinical manifestation, pathophysiology, examinations, diagnosis and management, in out-patient department, surgery and ward settings. Diseases such as pelvic inflammatory disease, endometriosis, abnormal uterine bleeding, uterine myoma, adenomyosis, endometrial polyp, ectopic pregnancy, pelvic organ prolapse, infertility, and urinary incontinence will be included the training course. 2. To obtain general understating in a pregnancy course, start from early pregnancy, first, second and third trimester, to final delivery. Be familiar with the interpretation of non-stress test, high-risk pregnancy and possible adverse event, such as gestational diabetic mellitus, gestational hypertension, preeclampsia / eclampsia, nonreassuring fetal status, placenta abruption/ placenta previa, post-partum hemorrhage etc. The indications of cesarean section will also be introduced. 3. Be familiar with the diagnostic tools and imaging tools including trans-vaginal and trans-abdominal ultrasound, CT, MRI, PET-CT, cystoscopy and hysteroscopy and interpretation of results. ● Skills to be acquired <ol style="list-style-type: none"> 1. Capable of taking detailed medical history and performing physical examinations and pelvic examinations to support the clinical diagnosis. 2. To be able to produce a concise, accurate and informative admission note, post-operative note, progress note and discharge summary for a hospitalized patient. 3. To be able to generate a list of problems, differential diagnosis and treatment plan that is related to the patient. 4. Analyze current patient’s active clinical problems and be able to utilize various tools, such PubMed, Uptodate, cochrane library

	<p>or different guidelines, aiding diagnosis and treatment especially when facing uncertainties, in order to provide best management</p>
Orthopedics (Wan Fang Hospital)	<ul style="list-style-type: none"> ● Desired behavior <ol style="list-style-type: none"> 1. Able to interact with the patient and family, showing professionalism and empathy, yet respect their culture religion and emotional expression. 2. Participate actively in ward, operative room, various teaching session, morning meeting, ward round, and conference. 3. Willing to help and teach junior colleges. 4. Cooperate with other medical staffs that are working in this facility and different departments in order to provide optimal patient care service. <p>For Foreign clinical observer:</p> <ol style="list-style-type: none"> 1. Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period. 2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country. 3. All submitted application forms must be written in English or Chinese. 4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance. 5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.
Contact	102129@w.tmu.edu.tw
Link	http://www.taiwanhealthcare.com/english/thc0203e.aspx

11.Orthopedics

Program director/supervisor	Dr. Tai-Yuan Chuang
Duration	Min. 2 week
	Max. 4 weeks
Prerequisites	<p>Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period.</p> <p>Applicants need to be current medical students or graduates from a university or an equivalent institute in another country.</p>
Additional Requirements	Medical student completing their course in Orthopedics during 1st ~4th year.
Content	<p>Education Objectives of our medical students in our division:</p> <ol style="list-style-type: none"> 1. To understand category of Orthopedics, including the fracture, dislocation, spine disease, arthroplasty, sports medicine, hand & foot disease, infection & tumor; and mini-invasive orthopedics surgery including arthroscopic surgery applying to shoulder, knee and spine. 2. Focus on symptom/ sign, physical examination, classification, surgical indication, surgical anatomy & image & approach, post-operative rehabilitation. 3. To be familiar with principles of treatment of major orthopedics emergencies, including splint, cast, traction, reduction method, internal and external fixation for dislocation and fracture. 4. To get familiar with principles to arrange studies, including x ray, sonogram, MRI, and bone scan. 5. To have ability to take a good medical history and perform a careful and accurate physical examination. 6. To be able to write concise, accurate and informative histories, physical examinations and progress notes. 7. To be able to formulate comprehensive and accurate problem lists, differential diagnoses, plans of management. 8. Able to interact with patients and families in a professionally appropriate manner. 9. Able to learn by participation in ward rounds, teaching conferences and other educational activities.
Contact	Tai-Yuan Chuang/ email address: ctycgmh@gmail.com
Link	Nil

12. Otolaryngology

Otolaryngology (Wan Fang Hospital)	
Program director/supervisor	Director: Ming-Tang Lai, M.D., PhD. Supervisor : Chia-Che Wu, M.D., PhD.
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Medical student at least on their third year of medical school
Additional Requirements	Already completed lectures of Otolaryngology - Head and Neck Surgery
Content	<ul style="list-style-type: none"> ● Our department provides foreign medical students with a comprehensive clinical experience within the field of otolaryngology-head and neck surgery. Students are exposed to the diagnosis and management of ear, nose and throat problems across the spectrum through participation in outpatient clinics, inpatient rounds, and operative procedures. Students are expected to adequately prepare for these activities through the appropriate use of medical literature and other learning experiences. The overall goals of the elective are tailored to each student's career choice. This is a very useful experience for any medical student interested in entering a primary care field or in a specialty area involving the head and neck. ● The following are our advanced subspecialties: <ol style="list-style-type: none"> 1. Otology and Neurotology - Stapes Surgery and Transcanal Endoscopic Ear Surgery 2. Rhinology and Sinus Surgery - Rhinoplasty and Functional Endoscopic Sinus Surgery 3. Laryngology - Autologous Fat Injection Laryngoplasty and Thyroplasty 4. Head and Neck Surgery - Gland Surgery, Neck Dissection, Cancer Wide Excision 5. Sleep Surgery - 38 Uvulopalatopharyngoplasty, Office-Based Radiofrequency Ablation 6. Sialendoscopy - Diagnostic and

	Therapeutic Sialendoscopy, Laser Lithotripsy
Contact	Ching-Yao Lan, Secretary General, Otolaryngology - Head and Neck Surgery Department <i>E-mail</i> : 107110@w.tmu.edu.tw
Link	http://www.wanfang.gov.tw/

13. Pediatrics

Program director/supervisor	Liang-Ti Huang. MD, PhD/ Chueh-Yuan Yang. MD
Duration	Min. 1 week, Max. 2 week
	Final year in medical school / Clerk / Medical student at least on their 3rd year of Medicine
Prerequisites	Completed their course in Pediatrics on 2 nd year
Additional Requirements	<p>Education Objectives of our medical students in our division:</p> <p>A. Knowledge to be gained</p> <ol style="list-style-type: none"> 1. To understand the pathophysiology, clinical manifestations, diagnosis and management of Pediatric problems, with emphasis on the commonly seen by a specialist in the out-patient clinic setting. 2. To be familiar with the clinical manifestations and principles of treatment of major Pediatric emergencies, including pediatric triangle, dehydration, convulsion, respiratory distress, shock, acute surgical condition. 3. To get familiar with the indications, principles, complications, and interpretation of Pediatric diagnostic tests, that include rapid infectious disease tests, blood tests, serology and immunology tests, multiple sites culture tests, image study of multi-organ. <p>B. Skills to be acquired</p> <ol style="list-style-type: none"> 1. To have ability to take a good medical history and perform a careful and accurate physical examination that include infants and children. 2. To be able to write concise, accurate and informative histories, physical examinations and progress notes that include infants and children. 3. To be able to formulate comprehensive and accurate problem lists, differential diagnoses and plans of management. 4. To be able to write concise, accurate, informative and helpful consultation notes, clearly outlining the recommendations and explaining their rationale. 5. To be able to search efficiently and evaluate the medical literature, including print and electronic media, in order to find pertinent and accurate information about a patient or condition.

	<p>C. Desirable behavior</p> <ol style="list-style-type: none"> 1. Able to interact with patients and families in a professionally appropriate manner.
Psychiatry (Wan Fan Hospital)	<ol style="list-style-type: none"> 2. Able to learn by participation in ward rounds, teaching conferences and other educational activities. 3. Willing and able to teach medical students. 4. Willing and able to help the requesting physician in a consultative or co-management capacity, according to the needs of the situation. 5. To be able to have a habit of considering the cost-effectiveness of diagnostic and treatment strategies. 6. Able to appreciate social context of illness.
	<p>D. For Foreign Clinical Observer:</p> <ol style="list-style-type: none"> 1. Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period. 2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country. 3. All submitted application forms must be written in English or Chinese. 4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance. 5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.
Content	<p>Liang-Ti Huang. MD, PhD/92236@w.tmu.edu.tw Chueh-Yuan Yang. MD/ yangsu0126@gmail.com</p>
Contact	<p>http://www.wanfang.gov.tw/</p>
Link	<p>http://www.taiwanhealthcare.com/</p>

14. Psychiatry

Program director/supervisor	Dr. Kah Kheng Goh / Prof. Chun-Hsin Chen
Duration	Min. 1 week
	Max. 4 week
Prerequisites	Medical students with basic knowledge of psychiatry
Additional Requirements	<ol style="list-style-type: none"> 1. Eligible participants should discuss the aims and needs of training program in advance. Tailor-made training program could be provided on-request. 2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country. 3. All submitted application forms must be written in English or Chinese. 4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance. 5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.
Content	<ol style="list-style-type: none"> A. Outpatient Psychiatry <ol style="list-style-type: none"> 1. To understand the psychopathology, clinical manifestation, diagnosis, and management of psychiatry disorders, with emphasis on the commonly seen by a psychiatrist in the outpatient clinic setting. 2. To be familiar with the acute, subacute, and mostly chronic and rehabilitation phase of psychiatry management in the outpatient clinic setting. B. Inpatient Psychiatry <ol style="list-style-type: none"> 1. To learn to perform a competent screening interview including complete mental status examination of a patient, in order to identify psychiatric symptoms and make a differential diagnosis in a setting of acute psychiatric care. 2. To plan for further evaluation and tests that would be useful in differential diagnosis; make recommendations for biological, psychological, and social treatment interventions; assess whether or not

	<p>dangers to or from a patient exist, under supervision of attending psychiatrist.</p> <p>C. Psychiatry subspecialty</p> <p>1. Will have the opportunity to understand indications</p>
Plastic Surgery Department (Wan Fang Hospital)	<p>involuntary commitment of a patient to an acute ward for treatment, as well as involuntary community treatment, under the</p>
Program	<p>Cliff Chen, MD, PhD / Vickie Chang, MD</p> <p>supervision of attending psychiatrist with forensic psychiatry subspecialty.</p> <p>2. Will have the opportunity to participate in parts of evaluations of insanity defense, custody determination, and other forensic issues, under the supervision of attending psychiatrist with forensic psychiatry subspecialty.</p> <p>3. Will have the opportunity to learn the assessments of normal development and psychopathology in childhood, treatment methods, and research in major disorders of children and adolescent, under the supervision of attending psychiatrist with child and adolescent psychiatry subspecialty.</p> <p>4. Will have the opportunity to learn the assessments of psychopathology, addictive behavior, treatment methods, and research in substance use disorders, under the supervision of attending psychiatrist with addiction psychiatry subspecialty.</p>
Contact	Dr. Kah Kheng Goh (email: 100329@w.tmu.edu.tw)
Link	http://www.taiwanhealthcare.com/

15. Plastic Surgery

director/supervisor	
Duration	Min. 1 week
	Max. 1 weeks
Prerequisites	<p>■ Final year in medical school / ■ Clerk / ■</p> <p>Medical student at least on their 3rd year of Medicine</p>
Additional Requirements	nil
Content	<p>Education Objectives of our medical students in our division:</p> <p>A. Knowledge to be gained</p> <ol style="list-style-type: none"> 1. To understand the pathophysiology, clinical manifestations, diagnosis and management of common wound problems, including diabetic foot, skin and soft tissue infection and malignancy, burn and cosmetic surgery. 2. To be familiar with the modern dressing for wounds and the way of wound dressing. 3. To get familiar with the indications and principles of wound debridement and the reconstruction ladder for the wounds, including skin graft or flap. <p>B. Skills to be acquired</p> <ol style="list-style-type: none"> 1. To have ability to take a good medical history and perform a careful and accurate physical examination. 2. To be able to write concise, accurate and informative histories, physical examinations and progress notes. 3. To be able to tell the wound condition and formulate the reconstruction strategies. 4. To be able to write concise, accurate, informative and helpful consultation notes, clearly outlining the recommendations and explaining their rationale. 5. To be able to search efficiently and evaluate the medical literature, including print and electronic media, in order to find pertinent and accurate information about a patient or condition. <p>C. Desirable behavior</p> <ol style="list-style-type: none"> 1. Able to interact with patients and families in a professionally appropriate manner. 2. Able to learn by participation in ward rounds, teaching conferences and other educational activities. 3. Willing and able to teach medical students.

	<p>4. Willing and able to help the requesting physician in a consultative or co-management capacity, according to the needs of the situation.</p> <p>5. To be able to have a habit of considering the cost-effectiveness of diagnostic and treatment strategies.</p> <p>6. Able to appreciate social context of illness.</p>
Radiation Oncology (Wan Fang Hospital)	
Program director/supervisor	Dr. Szu-Yuan Wu For Foreign Clinical Observer:
	<p>1. Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period.</p> <p>2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country.</p> <p>3. All submitted application forms must be written in English or Chinese.</p> <p>4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance.</p> <p>5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.</p>
Contact	Cliff Chen, MD, PhD / Vickie Chang, MD
Link	http://www.taiwanhealthcare.com/

16.Radiation Oncology

Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school
Additional Requirements	Nil
Thoracic Surgery (Wan Fang Hospital)	
Content	1. General concept for treatment of cancer
Program director/supervisor	Dr. Wei-Cheng Lin
	2. Introduction of radiation physics and radiobiology
Duration	3. Radiotherapy positioning, immobilization and simulation
	4. Treatment planning and evaluation
	Max. 4 weeks
Contact	wfrt1360@gmail.com
Link	http://www.taiwanhealthcare.com/

17.Thoracic Surgery

Prerequisites	Final year in medical school
Additional Requirements	nil
Content	2. General concept of thoracic surgery
Urology (Wan Fan Hospital)	
Program director/supervisor	Yu-Ching Wan, MD, PhD / Chi-Hao Hsiao, MD
Duration	1 week (Min: 1 week, Max: 1 week)
Prerequisites	4. General concept of post-surgical care 5. Common post-surgical complications of thoracic surgery; and how to manage
Contact	6. Minimally invasive thoracoscopic surgery Final year in medical school / Clerk 101336@w.tmu.edu.tw
Link	http://www.taiwanhealthcare.com/

18. Urology

	/  Medical student at least on their 3rd year of Medicine
Additional Requirements	Completed their course in Genitourinary on their 2nd year
Content	<p>Education Objectives of our medical students in our division:</p> <p>A. Knowledge to be gained</p> <ol style="list-style-type: none"> 1. To understand the pathophysiology, clinical manifestations, diagnosis and management of genitourinary system, including benign prostate hyperplasia, with emphasis on the commonly seen by a specialist in the out-patient clinic setting. 2. To be familiar with the clinical manifestations and principles of treatment of major genitourinary system, including benign prostate hyperplasia, urolithiasis, urinary tract infection, inguinal hernia, varicocele, overactive bladder, and genitourinary system cancer. 3. To get familiar with the indications, principles, complications, and interpretation of genitourinary system surgery, that include ureteroscopic lithotripsy, percutaneous nephrolithotomy, hernioplasty, varicocelectomy, circumcision, vasectomy, transurethral resection of prostate, transurethral resection of bladder tumor, laparoscopic surgery, Robotic assisted laparoscopic surgery. <p>B. Skills to be acquired</p> <ol style="list-style-type: none"> 1. To have ability to take a good medical history and perform a careful and accurate physical examination. 2. To be able to write concise, accurate and informative histories, physical examinations and progress notes. 3. To be able to formulate comprehensive and accurate problem lists, differential diagnoses and plans of management. 4. To be able to write concise, accurate, informative and helpful consultation notes, clearly outlining the recommendations and explaining their rationale. 5. To be able to search efficiently and evaluate the

	<p>medical literature, including print and electronic media, in order to find pertinent and accurate information about a patient or condition.</p> <p>C. Desirable behavior</p> <ol style="list-style-type: none"> 1. Able to interact with patients and families in a professionally appropriate manner. 2. Able to learn by participation in ward rounds, teaching conferences and other educational activities. 3. Willing and able to teach medical students. 4. Willing and able to help the requesting physician in a consultative or co-management capacity, according to the needs of the situation. 5. To be able to have a habit of considering the cost-effectiveness of diagnostic and treatment strategies. 6. Able to appreciate social context of illness. <p>For Foreign Clinical Observer:</p> <ol style="list-style-type: none"> 1. Clinical observer from other countries will participate together with our 5th and 6th year medical students during the rotation period. 2. Applicants need to be current medical students or graduates from a university or an equivalent institute in another country. 3. All submitted application forms must be written in English or Chinese. 4. Applicants need to provide health records and current immunization records in addition to proof of personal health/accident insurance with overseas coverage, or proof of national health insurance. 5. For safety reasons, students are strictly prohibited from making any clinical decisions or physician behavior; including inquiring or touching the patient, diagnosing or giving advised on any medical issues during the program, even if the applicant holds a medical doctor license in a foreign country.
Contact	<p>Yu-Ching Wen, MD, PhD 95207@w.tmu.edu.tw/107110@w.tmu.edu.tw) / Chi-Hao Hsiao, MD (email address 93062@w.tmu.edu.tw)</p>
Link	<p>https://www.wanfang.gov.tw/</p>

雙和醫院開放科別：

1. Anesthesiology

Department : Anesthesiology	
Program director/supervisor	Dr. Shih-Yu Huang
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school

Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. Anesthetic Equipment & Monitors 2. Clinical Pharmacology of anesthesia 3. Preoperative Assessment, Premedication, & Perioperative Documentation 4. Airway Management 5. Cardiovascular Physiology & Anesthesia 6. Respiratory Physiology & Anesthesia 7. Neurophysiology & Anesthesia 8. Anesthesia for General Surgery 9. Anesthesia for Thoracic Surgery 10. Anesthesia for Neurosurgery 11. Anesthesia for Genitourinary Surgery 12. Anesthesia for Orthopedic Surgery 13. Regional Anesthesia & Pain Management 14. Post-anesthesia Care
Contact	13238@s.tmu.edu.tw (Secretary: Jhih-Wei Wang)
Link	http://shh.tmu.edu.tw/Shh_EnWeb/enUI/C/C10110.aspx?id=81

2. Cardiology

Department : Cardiology	
Program director/supervisor	Dr. Wen-Rui Hao
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil

Content	<ol style="list-style-type: none"> 1. Arteriosclerosis/coronary artery disease 2. Hypertension 3. Valvular heart disease 4. Hyperlipidemias 5. Acute coronary syndrome 6. Cardiac Arrhythmias 7. Congestive Heart Failure 8. Cardiomyopathy 9. Peripheral artery disease
Contact	b8501043@tmu.edu.tw
Link	http://shh.tmu.edu.tw/Shh_EnWeb/enUI/C/C10110.aspx?id=AB

3. General Internal Medicine

Department : General internal medicine (Post Graduate Year 1 ward)	
Program director/supervisor	Dr. Chien-Hua Tseng /Dr. Mei-Yi Wu
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	Nil

Content	<ol style="list-style-type: none"> 1. General concept of Internal Medicine 2. The six ACGME Core Competencies are as follows: <ul style="list-style-type: none"> ● Practice-Based Learning and Improvement. ● Patient Care and Procedural Skills. ● Systems-Based Practice. ● Medical Knowledge. ● Interpersonal and Communication Skills. ● Professionalism.
Contact	17339@s.tmu.edu.tw
Link	http://enofficial.shh.org.tw/enUI/D/D10600.aspx

4. General Surgery

Department : General Surgery	
Program director/supervisor	Chih-Ming Su , MD, PhD
Duration	Min. 2 weeks
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil

Content	<ol style="list-style-type: none"> 1. Surgical management of hepatobiliary and pancreatic diseases, including <u>gallbladder disease</u>, cancer, portal hypertension, <u>appendicitis</u>, <u>diabetes</u>, infections, peptic ulcer disease, small intestine cancer, stomach cancer, and cystic diseases 2. Surgical treatment of breast cancer, benign breast tumor and thyroid disease. 3. Robotic, laparoscopic and endoscopic surgery, including <u>single-port surgery</u>, cholecystectomy, hepatectomy, <u>hernia repairs</u> (including <u>hiatal hernia</u>), <u>bariatric surgery</u>, adrenalectomy, antireflux surgery, lymph node biopsy, splenectomy, digestive disease surgery, mastectomy, colectomy, surgery for <u>achalasia</u>, <u>diagnostic laparoscopy</u> and other advanced procedures. 4. Other procedures include: Argon-helium cryoablation and radiofrequency ablation of hepatocellular carcinoma, <u>bariatric surgery</u> which including <u>gastric bypass surgery</u> for weight loss, gastrointestinal surgery for severe obesity, and treatment for <u>metabolic syndrome</u> and <u>obesity</u>.
Contact	08261@shh.org.tw
Link	http://enoffical.shh.org.tw/enUI/C/C10110.aspx?id=BD

5. Hematology & Oncology

Department : Hematology & Oncology	
Program director/supervisor	Dr. Wei-Hong Cheng
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	Nil

Content	<ol style="list-style-type: none"> 1. General concept of Hematology & Medical Oncology 2. Blood transfusion and Anemia 3. Concept of Hematological malignancy disease 4. Peripheral stem cell transplantation 5. Molecular assessment in Hematology & Medical oncology 6. Trends of treatment of medical oncology & Hematology
Contact	11023@s.tmu.edu.tw (Secretary)

6. Infection Diseases

Department : Infection Diseases	
Program director/supervisor	Dr. Yung-Ching Liu
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	Nil

Content	<ol style="list-style-type: none"> 1. Patient care 2. Infection control 3. Surveillance of Communicable Diseases 4. Clinical Microbiology 5. Antibiotic Stewardship Program
Contact	08682@s.tmu.edu.tw
Link	https://www.shh.org.tw/pageEng/TeamAboutEng.aspx?deptCode=AH

7. Nephrology

Department : Nephrology	
Program director/supervisor	Dr. Yung-Ho Hsu
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil

Content	<ol style="list-style-type: none"> 1. General concept of Nephrology and Dialysis 2. Acute kidney injury 3. Electrolyte disturbances 4. Acid-base disorders 5. Glomerulonephritis & vasculitis (autoimmune related renal disorders, paraneoplastic glomerulopathy, etc) 6. Chronic kidney diseases and related consequences 7. Hemodialysis and clinical sequelae 8. Peritoneal dialysis and clinical sequelae 9. Kidney and urological tumors 10. Infections and related complications 11. Fluid therapy 12. Dialysis therapy (conventional dialysis, Sustained low efficiency daily dialysis, SLEDD; continuous veno-venous hemodialysis, CVVH; plasmapheresis, etc) 13. Interventional Nephrology (femoral vein hemodialysis catheter insertion, permanent catheter insertion, Tenckhoff catheter placement, etc) 14. Renal Ultrasound 15. Renal Biopsy 16. Disability and Evaluation
Contact	11044@s.tmu.edu.tw(Dr. Cai-Mei Zheng)

8. Neurology

Department : Neurology	
Program director/supervisor	Dr. Tzu Hsiang Ko
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school

Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. General concept of neurology 2. How to take neurological history and examination 3. Introduction of evaluation, diagnosis and treatment of common neurological disorders, ex: headache, vertigo, stroke, epilepsy, peripheral nerve disorder and others 4. Introduction of current treatment in acute ischemic stroke, ex: IV-tPA, intra-arterial intervention 5. Introduction of neuro-electrophysiological exam 6. Introduction of neuroimaging tool 7. Introduction of neurological emergency 8. Introduction of hospice care in neurology
Contact	ttsk1214@gmail.com,13179@s.tmu.edu.tw
Link	nil

9. Ophthalmology

Department : Ophthalmology	
Program director/supervisor	Dr. Chia-Min Wu
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil

Content	<ol style="list-style-type: none"> 1. General concept of Ophthalmology 2. Fundamental and Principles of Ophthalmology 3. Retina and Vitreous 4. Orbit, Eyelids, and Lacrimal systems 5. Lens and Cataract surgery 6. Glaucoma 7. External Disease and Cornea 8. Intraocular Inflammation and Uveitis 9. Pediatric Ophthalmology 10. Assistive technology
Contact	eye3300@s.tmu.edu.tw
Link	http://www.shh.org.tw/Shh_EnWeb/enUI/C/C10110.aspx?id=10

10. Orthopedics

Department : Orthopedic	
Program director/supervisor	Dr. Chih-Hwa Chen
Duration	Min. 1 week
	Max.2weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. Adult joint reconstruction and revision 2. Foot and ankle injuries 3. Hand surgery 4. Microvascular procedures, such as nerve repair and nerve and muscle grafts 5. Spine disorders 6. Sports injuries 7. Trauma 8. Tumor surgery for bone cancers (osteosarcoma, Ewing sarcoma and chondrosarcoma) and soft tissue sarcomas such as rhabdomyosarcoma
Contact	09185@s.tmu.edu.tw (Secretary)
Link	http://www.shh.org.tw/Shh_EnWeb/enUI/C/C10110.aspx?id=06

11. Otolaryngology Head and Neck Surgery

Department : Otolaryngology Head and Neck Surgery	
Program director/ supervisor	Marc, Pin-Zhir Chao. M.D. Ph.D. Director, Department of Otolaryngology, Head and neck Surgery
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Medical students at least on their 4 th year of Medicine
Additional Requirements	Completed Otolaryngology lecture course
Content	<ol style="list-style-type: none"> 1. General concept of Otolaryngology Head and Neck Surgery 2. Genera Otology and Audiology, tinnitus research 3. Rhinology and endoscopic sinus surgery, 4. Laryngology and laryngomicroscopic surgery, laryngoplastic surgery 5. General Head and Neck Surgery combined with Robotic surgery 6. Ultrasound in Head and Neck 7. Sleep surgery with TORS, OSAS research 8. Journal reading and research dissertation
Contact	marcent@tmu.edu.tw
Link	http://www.shh.org.tw/Shh_EnWeb/enUI/C/C10110.aspx?id=09

12. Pediatrics

Department : Pediatrics	
Program director/supervisor	Dr. Sheng-Chieh Lin/ Professor Shih-Yen Chen
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. Pediatric allergy, asthma and immunology 2. Pediatric cardiology 3. Pediatric gastroenterology and hepatology 4. Pediatric hematology and oncology 5. Pediatric infection 6. Pediatric metabolic and endocrine 7. Pediatric neonatology 8. Pediatric neurology
Contact	12360@s.tmu.edu.tw (secretary)
Link	http://www.shh.org.tw

13. Psychiatry

Department : Psychiatry	
Program director/supervisor	Dr. Hsin-Chien Lee
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. General concept of Psychiatry 2. Psychiatric interview 3. Psychopathology 4. Psychopharmacology 5. Sleep Disorders 6. Anxiety Disorders such as Panic disorder and Obsessive Compulsive disorder 7. Depressive and Bipolar disorders 8. Psychotic disorders 9. Alcohol and Drug Addiction 10. Child and Adolescent mental problems 11. Dementia
Contact	12537@s.tmu.edu.tw (Secretary)
Link	http://enofficial.shh.org.tw/enUI/C/C10110.aspx?id=13

14. Pulmonary Medicine

Department : Internal Medicine, Pulmonary Medicine Division	
Program director/supervisor	Dr. Tzu Tao Chen/ Prof. Kang Yun Lee
Duration	Min. 1 week
	Max. 4 weeks
Prerequisites	UGY, PGY
Additional Requirements	Nil
Content	<ol style="list-style-type: none"> 1. General concepts of pulmonology 2. General concepts of critical care medicine 3. Introduction of chronic obstructive lung disease 4. Essential knowledge about asthma 5. Precision medicine in lung cancer management 6. Treatment guideline for pulmonary TB 7. Basic lecture of pneumonia 8. Educational program for chest radiography 9. Practical pulmonary rehabilitation 10. Advance bronchoscopy and technology 11. Artificial intelligence and wearable device in sleep medicine
Contact	medshh@gmail.com (Secretary)
Link	http://enofficial.shh.org.tw/enUI/C/C10110.aspx?id=AC

15. Radiation Oncology

Department : Radiation Oncology	
Program director/supervisor	Dr. Jo Ting Tsai
Duration	Min. 1 day
	Max. 1 week
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. General concept of clinical radiation oncology 2. General concept of radiation biology 3. General concept of medical radiation physics 4. Brachytherapy 5. GammaKnife
Contact	15229@s.tmu.edu.tw (Secretary)
Link	https://www.shh.org.tw/pageEng/TeamAboutEng.aspx?deptCode=84

16. Radiology

Department : Radiology	
Program director/supervisor	Prof. Chi-Jen Chen
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. Anatomy in radiology. Normal and normal variants 2. Use of contrast medium and some common medication in the radiology department 3. Introduction to CT 4. Introduction to MRI 5. Introduction to ultrasound 6. Introduction to IVP (intravenous pyelography) 7. Introduction to special examination 8. Radiology physics
Contact	08035@s.tmu.edu.tw (Secretary)

17. Rehabilitation

Department : Rehabilitation	
Program director/supervisor	Yi-Wen Chen M.D
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none"> 1. General concept of Rehabilitation and Physical Medicine 2. Neurological Rehabilitation 3. Orthopedic Rehabilitation 4. Electrodiagnosis 5. Ultrasonography of musculoskeletal system 6. Cardiopulmonary Rehabilitation 7. Pediatric Rehabilitation 8. Sports Medicine 9. Disability and Evaluation 10. Assistive technology
Contact	17304@s.tmu.edu.tw
Link	https://shh.tmu.edu.tw/pageEng/TeamAboutEng.aspx?deptCode=14

18. Rheumatology

Department : Allergy, Immunology, Rheumatology	
Program director/supervisor	Dr. Sheng-Hong Lin
Duration	Min. 1 week
	Max. 2 weeks
Prerequisites	Final year in medical school
Additional Requirements	nil
Content	<ol style="list-style-type: none">1. General concept of Internal Medicine2. Allergy3. Immunology4. Rheumatology5. Autoimmune diseases6. Rheumatic disorder7. Musculoskeletal Ultrasound8. Biological medicine
Contact	15318@s.tmu.edu.tw