

Practice for medical students at TWMU MCE

Name

XXX

Period

XX/XX~YY/YY/20ZZ

Objectives

1. Understand and participate in neurosurgical practice (initial treatment for emergency patients, diagnosis, surgical/non-surgical treatment, perioperative management, rehabilitation)
2. Advance knowledge of anatomy and physiology of the brain and spinal cord

Competency

A Basic clinical abilities and techniques for practice

1. Obtain the clinical history of the presenting patient
2. Perform physical/neurological examinations relevant to the presenting patient
3. Interpret the results of commonly ordered tests
4. Brainstorm possible diagnosis
5. Write POMR (Problem Oriented Medical Record)
6. Order and interpret appropriate diagnostic investigations based on the clinical assessment
7. Formulate a broad differential diagnosis and propose a most likely or working diagnosis
8. Make an accurate diagnosis
9. Select common investigations relevant to the findings on history and physical examination
10. Explain surgical indications
11. Take part in surgeries with an understanding of related anatomy and pathophysiology
12. Explain complications of surgery and treatments for them
13. Grasp the important points of postoperative management
14. Learn basic surgical skills (Distinguishing clean/unclean fields in OR, Suturing, Removing stitches)
15. Describe the psychological and social factors that influence the presentation and impact of illness
16. Make a case presentation during rounds

B Attitudes in the workplace

1. (Establish professional relationships with patients)
2. (Establish professional relationships with patients' families)
3. Demonstrate an understanding of the roles and responsibilities of collaborators in the clinical environment
4. Engage in practice actively and positively
5. Work responsibly

C Medical knowledge

1. Read textbooks and articles on diseases to provide intelligible explanations
2. Refer, read, and understand the latest articles

Rounds start at 8:30 from 4B Ward

Surgical cases (scheduled) every Tuesday and Thursday

Endovascular surgery and angiographical examination every Wednesday

Emergency patients: examine with senior doctor and take part in surgery when needed

Conference and Seminar

- ① Every Tuesday evening
- ② XXXX
- ③ YYYY

Lectures

- ① Benign tumor surgery
- ② Radiologic interpretation
- ③ Neurological examination of patients with consciousness disturbance (+bedside)
- ④ Hydrocephalus
- ⑤ Neurological examination and images in patients with spine disorder
- ⑥ IC stenosis and CEA
- ⑦ Endovascular surgery
- ⑧ Spine surgery
- ⑨ Aneurysm model in rat
- ⑩ Genetic research on brain tumors
- ⑪ Brain mapping

Evaluation Presentation of case report

XX~YY

	Start time and conference	Morning	Afternoon	Evening
Mon	7:30 Radiologic interpretation, Presentation of cases at weekend, Rounds	Ward	Ward	
Tue	7:30 Radiologic interpretation, Presentation of surgical cases, Rounds	OR	OR	Conference, Journal club, Your presentation
Wed	7:30 Lecture, Radiologic interpretation, Presentation of angio cases, Rounds	Angio R	Angio R	
Thu Holiday				
Fri	8:00 Case presentation with medical staff, Rounds	Ward	Ward	
Sat	Self-study			

XY~YX

	Start time and conference	Morning	Afternoon	Evening
Mon	7:30 Radiologic interpretation, Presentation for cases at weekend, Rounds	Ward	Ward	
Tue	7:30 Radiologic interpretation, Presentation of surgical cases, Rounds	OR	OR	Conference, Journal club
Wed	7:30 Lecture, Radiologic interpretation, Presentation of angio cases, Rounds	Angio R	Angio R	
Thu	8:00 Radiologic interpretation, Rounds	OR	OR	
Fri	8:00 Case presentation with medical staff, Rounds	Ward	XXXX	XXXX
Sat	8:00 XXXX	XXXX	XXXX	XXXX
Sun	XXXX	XXXX	XXXX	

YX~ZX

	Start time and conference	Morning	Afternoon	Evening
Mon	7:30 Radiologic interpretation, Presentation of cases at weekend, Rounds	Ward	Ward	
Tue	7:30 Radiologic interpretation, Presentation of surgical cases, Rounds	OR	OR	Clinicopathological conference, Journal club
Wed	7:30 Lecture, Radiologic interpretation, Presentation of angio cases, Rounds	Angio R	Angio R	
Thu	8:00 Radiologic interpretation, Rounds	OR	OR	
Fri	8:00 Case presentation with medical staff, Rounds	Ward	Ward	
Sat	Self-study			

ZY~ZZ

	Start time and conference	Morning	Afternoon	Evening
Mon	7:30 Radiologic interpretation, Presentation of cases at weekend, Rounds	Ward	Ward	
Tue	7:30 Radiologic interpretation, Presentation of surgical cases, Rounds	OR	OR	Conference, Journal club, Your presentation
Wed	7:30 Lecture, Radiologic interpretation, Presentation of angio cases, Rounds	Angio R	Angio R	
Thu	8:00 Radiologic interpretation, Round	OR	OR	YYYY
Fri	Free			

Schedule may change due to emergency patients