

SYLLABUS OF
CERTIFICATE OF HIGHER SPECIALIZATION IN
MEDICINE (CHSM) IN Orthopadics

Plan No. ش/٩٢/٠٩/٣

First : General Regulations:

- a) This plan conforms to the valid regulation of program of graduate studies .
- b)The Bachelor degree in Medicine & general surgery is the prerequisite for this program

Second: Special Regulations:

None

Third: The syllabus consists of:

- a) Five obligatory programmed years of the following sequence:

Year	Subject
First	General Surgery
Second	Orthopedic & Basic science
Third	Orthopedics & Basic science
Fourth	Orthopedic surgery
Fifth	Orthopedic surgery

- b) Full comprehensive examination at the end of the fifth year.
- c) The enclosed training details & duration in each department for each training year are a fully integrated program

Fourth : The Program:

SUMMARY

YEAR	SUMMARY
1ST Year	<p>1- Morning Report 2- Evening case review 3- Bed – Side patient’s care 4- Surgical Case Presentation 5- Basic Principles of surgery 6- Introduction to operative skills</p>
2nd Year	<p>1-Morning Report/ under supervision of most senior resident 2-Bed – Side patient’s care -under supervision of consultant. 3-Orthopaedic – Case presentation-under supervision of consultant. 4-Operative Skill/ under supervision of consultant. 5-X-Ray Review/ under supervision of consultant. 6- Rhabilitation and Biomechanics/ under supervision of consultant. 7-Anatomy/ under supervision of consultant. 8-Pathology/ under supervision of consultant. 9-Neurosurgery /under supervision of consultant.</p>
3rd Year	<p>1- Morning Report/ under supervision of most senior resident 2- Bed-Side Patient’s care /under supervision of consultant. 3- Orthopaedic –Case Presentation /under supervision of consultant. 4- Operative Skill/ under supervision of consultant. 5- X-Ray review/ under supervision of consultant. 6- Mortality Morbidity/under supervision of consultant. 7- Biostatistics /under supervision of consultant. 8- Anaesthesia /under supervision of consultant. 9-I . C . U /under supervision of consultant.</p>

<p>4th Year</p>	<p>1- Morning Report/ under supervision of most senior resident 2- Bed-Side patient's care/ under supervision of consultant. 3- Orthopaedic case presentation/ under supervision of consultant. 4- Operative Skill/ under supervision of consultant. 5- X-Ray review/ under supervision of consultant. 6- Mortality Morbidity/ under supervision of consultant. 7- Research Methodology/ under supervision of consultant. 8- Journal club/ under supervision of consultant. 9- Plastic Surgery/ under supervision of consultant. 10- Vasular Surgery/ under supervision of consultant.</p>
<p>5th Year</p>	<p>1- Morning Report/ under supervision of most senior resident 2- Bed-Side patient care/ under supervision of consultant. 3- Operative Skill/ under supervision of consultant. 4- Mortality Morbidity/ under supervision of consultant. 5- Research Project/ under supervision of consultant. 6- Out patient care/ under supervision of consultant. 7- Journal club/ under supervision of consultant.</p>

- A comprehensive exam is conducted at the end of the fifth year**
- The training description and the required training period in each year in addition to the units and the specialties in which training is conducted is part of this plan.**

CERTIFICATE

OF HIGHER SPECIALIZATION

IN MEDICINE

(CHSM) ORTHOPAEDICS

CERTIFICATE OF HIGHER SPECIALIZATION IN MEDICINE (CHSM) ORTHOPAEDICS

Introduction :

The duration of **CHSM**. Curriculum in Orthopaedics in five years. Students are required to be in full resident in hospital of the University of Jordan. Part the courses may be taken in other hospital approved by the council or Dean on the recommendation of Council of Graduate Faculty and the section of Orthopaedics. In curriculum is given in one year units at end of each , students are evaluated. . Students shall spend the first year in the general Surgical department . The student shall rotate in other specialities during the remaining four year as outlined in this curriculum .

FIRST COURSES

General Surgery

1. Morning Case Review " Morning Report "

The chairman of the department meets with the students on call the night before, to discuss emergency admission. The student is expected to present the case and put forward a diagnosis and a plan of management. He is expected to defend his diagnosis and rationalize his planned management and to have reviewed relevant literature about the presented case.

2. Bed side patient Care " Ward Rounds" :

The student makes rounds on the patients assigned to him. During the round, the patient history, physical examination, general assessment, diagnosis and plan of management are discussed by the teaching staff member. The students are expected to consult relevant literature before the rounds.

3. Evening Case Review " Evening Closing Rounds " :

Students are required to report on problematic cases in the ward, when on call, and discuss them with the senior graduate student & teaching staff member on call.

4. Surgical Case Presentation Seminar :

The student is required to present in a meeting at least four surgical cases per semester for two semesters (total of 8 presentations / year). The meeting is attended by all graduate students in the department of general surgery and the discussion is directed by the assigned teaching staff member and is directed to preoperative diagnosis, investigations, applied therapeutic measures and prognosis.

5. Basic Principles of Surgery Seminar :

The student is required to prepare and present at least four presentations per semester for a total of 2 semesters.

SECOND YEAR :

1. Morning Case review " Morning Report" :

Faculty member meets with students who were on-call the previous 24 hours to discuss selected cases. The student is expected to present the cases and put to working diagnosis. He should be able to defend and discuss his management of discussed cases . He is expected to have reviewed relevant literature to such cases before presentation .

2. Bed-Side Patient Care :

Students and Faculty member make rounds, discuss history, physical findings, diagnosis tests, therapeutic measures and plans for subspecialty in patients cases assigned to the students. Students are expected to demonstrate relevant physical and laboratory findings to support their working diagnosis. The students are expected to consult literature relevant to cases before making such rounds.

3. Orthopedic Case Seminar :

Students are expected to present a lecture on selected topics, suggested by Faculty member or students themselves, in the general field of Trauma and Orthopaedics. Each student is required to present a minimum of ten lectures per 40 weeks .

4. Operative Skill :

Students assist in operative procedures and carry out minor and moderate procedures under supervision of the staff member or the senior students.

5. X-Ray Review :

Review of Radiology of the Skeletal system in the form of lectures and seminars (alternating). Students are introduced to advanced radiology techniques related to Orthopaedics and trauma

6. Rehabilitation and Biomechanics :

One hour lecture and two hours practical weekly for 16 weeks.

Allocation for the practical may be organised in cooperation with other departments. / school .

7. Rotation in Related Subjects :

A . 4 weeks period shall be spent in the Neurosurgical section . The student is expected to engage in the care and management of patients. With head trauma and spinal problems. The student is expected to attend conferences, learn procedures and diagnostic tools used to evaluate patients.

- B. 4 weeks period in Anatomy. The students is expected to dissect and learn theAnatomy of the Neuro-musculo skeletal system in its applied form and histology of the same areas.
- C . 4 weeks pathology. The student is expected to learn pathology diagnosis " gross and histology". Develop the necessary relation with the pathologist .

THIRD YEAR :

1. Morning Case review " Morning Report " :

Faculty member meets with students who were on - call the previous 24 hours to discuss selected cases. The student is expected to present the cases and put a working diagnosis. He should be able to defend and discuss his management of discussed cases . He is expected to have reviewed relevant literature to such cases before presentation.

2. Bed-Side Patient Care :

Students and faculty member make rounds, discuss history , physical findings, diagnostic tests, Therapeutic measures and plans for subspecialty inpatients cases assigned to the students. Students are expected to demonstrate relevant physical and laboratory findings to support their working diagnosis. The students are expected to consult literature relevant of cases before making such rounds.

3. Orthopaedic Case Seminar :

Students are expected to present a lecture on selected topic, suggested by faculty member or students themselves, in the general field of Trauma and orthopaedics. Each students is required to present a minimum of ten lectures per 40 weeks.

4. Operative skill :

Students assist in operative producers and cary our minor and moderate procedures under supervision of the staff member or the senior students.

5. X-Ray Review :

Review of Radiology of the skeletal system in the form of lectures and seminars (alternating) . Students are introduced to advanced radiology techniques related to Orthopaedics and trauma .

6. Mortality Morbidity :

Review of complications of operative cases and analysis of factors that are thought to contribute to death of the patient and the determination of the risk factors in each case (diagnosis of complication) and possible measures to minimise or to avoid risks and management of such complications.

7. Rotation in Related Subjects :

- A . 4 weeks in anesthesia. The student is expected to learn about premedication, diseases which present anaesthetic problems with practical training in intubation .
- B . 4 weeks in I.C.U. The student is expected to learn about CPR, blood gases and monitoring of the severely injured patient.
- C . Biostatistics : One hour lecture and three hours practical weekly for 16 weeks . Allocation for the practicals may be organised in cooperation with other school / Dept.

FOURTH YEAR:

1. Bed-Side Patients Care :

Two hours three times weekly for 40 weeks.

2. Orhtopaedic Case Seminar :

One hour weekly for 40 weeks.

3. Operative Skill :

12 hours 8 hours one and half day weekly in 40 weeks.

Assisting in operative procedares, the students will carry out , minor, moderate, and major operation under supervision of the staff member.

4. Outpatient Care :

4 hours twice weekly for 40 weeks.

The students is expected to see selected new and old cases and be able to take history, perform physical examination and draw major diagnostic and therapeutic plans for the patient, students attend general orthopedic clinics in this course .

5. X-Ray Review :

One hour weekly for 40 weeks.

6. Mortality Morbidity :

One hour for 40 weeks.

7. Rotation in Related Subjects :

A . 4 weeks didicated entirely for plastic Surgical sciences. The student in expected to learn about soft tissue healing , flabs, grafts and burn .

B . 4 weeks in vascular surgery. The student is expected to learn periphernl vascular disease, transe , Repair.

Anputations from the vascular point of view etc.

8. Research Methods :

One hours a week for 40 weeks including bimonthly lectures. The student should be exposed to principles of scientific methods, clinical research methods and basic medical research methods.

9. Current Literature Review Seminar " Journal Club" :

One hours seminar bimonthly for 40 weeks (20)

Each student is required to present 6 reviews of one or more articles published in recognized journals on orthopaedics and allied fields. All students of al levels are required to attend seminars

All Faculty members are also expected to attend.

FIFTH YEAR ;

1. Bed-Side Patient Care :

3 hours weekly for 40 weeks.

2. Operative Skill

16 hours weekly for 40 weeks.

By the end of this year, the student would have completed a log book , containing the name of all procedures that the student carried out.

3. Out Patient Care :

4 hours three times weekly , in 40 weeks.

4. Mortality Morbidity :

One hour weekly for 40 weeks.

5. Research Project :

The student participate in one project assigned to them by director of the section .

6. Journal Club :

One hour seminar bimonthly for 40 weeks .

