Medical Doctorate (M.D.) Degree of Orthopedic Surgery Log Book

" كراســـــة الأنشـــــــطة "

اللازمة لحصول المتدرب على درجة الدكتوراه في

جراحة العظام بنظام لائحة النقاط المعتمدة

2022-2023

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Personal Data:

Name: ……**Date of birth:** ……/……/……..…….
Address: ……..
Place of work: …….
Telephones: ……**Mobile phone(s):** ……..
Mail Address: ……**E mail**: ……

Name of hospital	*Period of work*	*Hospital director Signature*

Academic Information

- ***M.B.B.Ch:***
  Date ……/……/……University……Grade ……
- ***Master degree:***
  Date ……/……/……University……Grade ……
- ***Grade of General Surgery course on graduation*** ……
- ***Others:***
  Date ……/……/……University ……...
  Date ……/……/……University ……
  Date ……/……/……University ……

Instructions to the use of logbook

Aim of the activities book

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

Sections of the book
For each module / course / rotation

You should fill the following sections:-

1- Procedures / operations log

1- You will find a list for required procedure, diagnostic – therapeutic operations and level of desired performance you should achieve at the end of training.

2- You will find empty tables to write down the procedure, you level of participation and date and signature of supervisor.

2- Rotation / attendance proof

You should have evidence of achievement the required training hours within each module.

For the whole program fill the following sections

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation " attendance, preparation, presentation …"

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols
- ……..

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quieses

1- Program aims

1/1To enable candidates to master high level of clinical skills, bedside care skills, in addition to update medical knowledge as well as surgical experience and competence in the area of orthopedic surgery and enabling the candidates of making appropriate referrals to a sub-specialist

1/2 To enable candidates to perform high standard scientific medical research and how to proceed with publication in indexed medical journals.

1/3 To enable candidates to describe the basic ethical and medico-legal principles relevant to orthopedic surgery.

1/4 To enable candidates to have professional careers as a consultant in Egypt but recognized abroad.

1/5 To enables candidates to continue self-learning in subspecialties.

1/6 To enable candidates to master different research methodology and do their own.

5- Program Structure

Program Time Table: Duration of program up to 4 years (could be extended to 6 years) divided into

Part 1: Program-related basic science courses

- Medical statistics.
- Research methodology
- Medico-legal Aspects and Ethics in Medical Practice and Scientific Research

Students are allowed to sit the exams of these courses after 6 months from applying to the MD degree.

Thesis and 2 published researches: For the MD thesis;

MD thesis subject should be officially registered within 1 year from application to the MD degree,

Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject;

It could be discussed and accepted either before or after passing the second part of examination

Part 2: Program –related speciality courses and ILOs

Students are not allowed to sit the exams of these courses before 4 years from applying to the MD degree.

First Part

Basic science Courses:

Course	*Name of the course*
Course 1	Medical statistics
Course 2	Research methodology
Course 3	Medico-legal Aspects and Ethics in Medical Practice and Scientific Research
Course 4	Biomechanics & Biomaterials
Course 5	Surgical Anatomy
Course 6	Surgical Pathology

Medical statistics

Requirements

- **Credit points: 1 credit point**
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Pubic Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature

Medical Statistics

Lectures and tutorials

Date	Attendance	Topic	Signature

Research Methodology

Requirements

- **Credit points: 1 credit point**
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research Methodology	1 credit point	Pubic Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			**Principle coordinator signature**	**Head of the department signature**

Research Methodology

Lectures and tutorials

Date	Attendance	Topic	Signature

Medico-legal Aspects and Ethics in Medical Practice and Scientific Research

Requirements

- **Credit points: 1 credit point**

Minimal rate of attendance 80%

Name of the course	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.2		2 hours - Death and death certificate. - Suspicious death - Death associated with surgery and anesthesia	20%
	0.2		2 hours Medical Reports in case of trauma	20%
	0.2		- Wounds - Firearm injuries	20%
	0.2		2 hours Ethics in research.	20%
	0.2		2 hours Ethics in practice.	20%
Student signature			Principle coordinator Signature	Head of the department signature

Medico-legal Aspects and Ethics in Medical Practice and Scientific

Lectures and tutorials

Date	*Attendance*	*Topic*	*Signature*

Biomechanics and Biomaterials

Requirements

- **Credit points: 2 credit point**
- Minimal rate of attendance 80%

Name of the course	***Credit points***	***Responsible department***	***Attendance***	***Percentage of achieved points***
Biomechanics & Biomaterials	0.5	Orthopedic Surgery Department	***5 hours*** - Introduction and basics of biomechanics - Gait and its abnormalities - International standards of orthopedic devices	25 %
	0.5		***5 hours*** Biomechanics of normal joints -Upper limb -Lower limb -Spine & pelvis	25 %
	0.5		***5 hours*** Biomechanics of - Internal fixation - External fixation -Joint replacement (Hip & Knee)	25 %
	0.5		***5 hours*** - Types of biomaterials in orthopedic surgery - Implant- host interaction	25 %
Student signature			***Principle coordinator signature***	Head of the department signature

Biomechanics & Biomaterials (Lectures)

Date	*Attendance*	*Topic*	*Signature*

Surgical Anatomy

Requirements

- **Credit points: 2.5 credit point**
- Minimal rate of attendance 80%

Name of the course	***Credit points***	***Responsible department***	***Attendance***	***Percentage of achieved points***
Surgical Anatomy	1	Orthopedic Surgery Department	***10 hours*** Anatomy of the upper limb and shoulder girdle	40 %
	1		***10 hours*** Anatomy of the lower limb and pelvic girdle	40 %
	0.25		***2.5 hours*** - Anatomy of the spine and its muscles - anatomy of the spinal cord	10 %
	0.25		***2.5 hours*** Microanatomy (Histology) - Structure of bone - Structure of articular cartilage - Structure of peripheral nerve	10 %
Student signature			***Principle coordinator signature***	Head of the department signature

Surgical Anatomy (Lectures)

Date	*Attendance*	*Topic*	*Signature*

Surgical Pathology

Requirements

- **Credit points: 2.5 credit point**
- Minimal rate of attendance 80%

Name of the course	***Credit points***	***Responsible department***	***Attendance***	***Percentage of achieved points***
Surgical Pathology	0.5	Orthopedic Surgery Department	***5 hours*** - Pathology of poly-trauma. - Pathology of neuropathic pain (CRPS)	20 %
	0.5		***5 hours*** - Pathology of metabolic bone diseases. - Pathology of compartment syndrome and Volkmann's ischemic contracture.	20 %
	0.5		***5 hours*** - Pathology of osteonecrosis. - Pathology of bleeding disorders in musculo-skeletal system.	20 %
	0.5		***5 hours*** - Pathology of bone metastases.	20 %
	0.5		***5 hours*** - Pathology of bone and joint infections.	20%
Student signature			***Principle coordinator signature***	***Head of the department signature***

Surgical Pathology (lectures)

Date	*Attendance*	*Topic*	*Signature*

Course (7): Orthopedic Surgery (advanced)

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	Training	Total
1) Unit 1 "Trauma"	35%		8.4	43.05	51.45
2) Unit 2 "General Orthopedics"	20%		4.8	24.6	29.4
3) Unit 3 " Spine"	7.5%		1.8	9.225	11.025
4) Unit 4 " Arthroscopy/Sports Injuries"	7.5%		1.8	9.225	11.025
5) Unit 5 " Arthroplasty"	7.5%		1.8	9.225	11.025
6) Unit 6 " Pediatrics"	7.5%		1.8	9.225	11.025
7) Unit 7 " Hand/Microsurgery"	7.5%		1.8	9.225	11.025
8) Unit 8 " Foot & Ankle/Deformities"	7.5%		1.8	9.225	11.025
Total No. of Units:	8		24	123	147

Unit (module) 1

Trauma

Unit (Module) 1

(Trauma)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 8.4 credit point for didactic (lectures, seminars, tutorial) and 43.05 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(43.05 ***credit points for training)***

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in trauma unit	20	Orthopedic Department	• Practice with clinical cases for at least 3 month in trauma unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	46.46%
	5		➢ Night shift (From 2 pm to 8 am) 1 night shift /week for 20 weeks in trauma operative theatre	11.61%
	5		➢ Attendance of at least one day / week in the trauma clinic (5 hours/day) for at least 12 weeks	11.61%
	5		➢ Attendance of at least 30% of clinical rounds (5 hours /week for 12 weeks)	11.61%
	5		➢ Attend clinical teaching and clinical teaching for students 2 hours /week for 30 week	11.61%
	3.05		➢ Formative assessment	7.08%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

(8.4 credit points for didactic)

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 1 Trauma	8.4	Orthopedic department		
	5		**Topics and attendance**	**59.52%**
	2		30 hours Diaphyseal fractures management Articular fractures management Absolute and relative stability	32.81%
	1		15 hours Poly trauma patient management ATLS Open fracture management	11.9%
	0.5		8 hours Complications of fractures	5.95%
	0.5		8 hours Pathological Fractures Fixation principles in osteoporotic bone	5.95%
	0.5		8 hours Peri-prothetic fractures Epiphyseal injuries	5.95%
	0.5		8 hours Principles of IMN fixation Principles of plate fixation Principles of external fixation	5.95%
	2.5		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	29.76
	0.9		**Formative assessment (MCQ)**	10.71
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Diagnositic Category	Fracture site &Procedure (ORIF)	Observer	Assistant	Supervised	Unsupervised
Shoulder & Elbow	Clavicle (plate , TB)	---	---		5
	• AC joint disruption • Proximal humerus (T,PHILOS) • Scapula & Glenoid • Humerus shaft • Supra & intercondylar humerus (SCIC) by chevron osteotomy • Head radius ORIF or prosthesis		4 4 4	2 2 2 2	2 5 2 5 5 5
Forearm , Wrist And Hand	Radius and ulna	---	---		5
	Distal radius varieties including intra-articular fractures	---	2	2	5
	Scaphoid fracture and nonunion	---		2	5
	Osteotomy for mal-union distal radius	---	---		2
	Mini-plates for hand fractures	---			5
Hip	Trochanteric and sub-trochanteric (DHS , CBP , Gamma nail)	---	---		5
	Neck of femur cannulated screws Hemi-arthroplasty fo fracture neck of femur	---			5 5
Pelvis & acetabulum & sacrum	Anterior plating Posterior plating Ilio-sacral screws Symphyseal plating Symphyseal Ex-fixator	---	2	2 2 2 2	2 2 2 2
Femur & Knee	Femoral nailing (cephalo-medullary , retrograde ..etc)	---	---	5	5
	Femoral shaft plating Supra & intercondylar femur Patellar fractures (TB , Partial patellectomy) Tibial plateau	---	---		5 5 5 5
Leg	Tibial nailing and plating (MIPO)				5
Foot and ankle	Ankle Pilon Talus Calcaneus				3 3 3 3

	Lisfranc			2
Spine fracture by trans-pedicular screw fixation Management of old trauma and its sequale a. Non-union → ORIF and graft b. Mal-union -→ corrective osteotomy c. Infection →Metal removal + ilizarov	---	---	2	2 10

Clinic Log

Date	*Signature of supervisor*

Date	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*

Date	*Signature of supervisor*

Clinic Log

Date	***Signature of supervisor***	***Date***	***Signature of supervisor***

Night Shifts Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Night Shifts Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Night Shifts Log

Date	***Signature of supervisor***	***Date***	***Signature of supervisor***

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Clinical Teaching

Date	*Title of Clinical Teaching*	*Signature*

Unit (module) 2

General Orthopedics

Unit (Module) 2

(General Orthopedics)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 4.8 credit point for didactic (lectures, seminars, tutorial) and 24.6 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

*(*24.6 *credit points for training)*

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in general orthopedics unit	15	Orthopedic Department	• Practice with clinical cases for at least 3 month in trauma unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	61.22%
	4		➢ Night shift (From 2 pm to 8 am) 1 night shift /week for 4 weeks.	16.26%
	3		➢ Attendance of at least one day / week in the trauma clinic (4 hours/day) for at least 12 weeks	12.20%
	2		➢ Attendance of at least 30% of clinical rounds (2 hours /week for 12 weeks)	8.13%
	0.6		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

(8.4 credit points for didactic)

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 2 General Orthopedics	4.8	Orthopedic department		
	3		**Topics and attendance**	**62.5%**
	0.5		8 hours - Compartment syndrome - Amputations	10.42%
	0.5		8 hours - Bone and joint infections - Soft tissue infections	10.42%
	0.5		8 hours - Bone tumors and tumor like conditions	10.42%
	0.5		8 hours - Rhematologic disorders : overview and role of orthopedic surgeon	10.42%
	0.5		8 hours - AVN bone disorders	10.42%
	0.5		8 hours - Non-unions and mal-union	10.42%
	1		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	20.83%
	0.8		**Formative assessment (MCQ)**	16.67%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Surgery	Observer	Assisted	Supervised	Unsupervised
Fasciotomy				2
Amputations				2
carpal tunnel release				2
high tibial osteotomy for genu varus				5
distal femoral osteotomy for genu valgus				5
septic knee aspiration & drainage				2
septic hip aspiration and drainage				2
open synovectomy for chronic septic knee				2
arthrolysis for joint contractures				2
major joint arthrodesis e.g hip , knee		4	1	
radial shortening & denervation for Keinbocks				2
guttering and gentamycin beads for chronic osteomyelitis				2
biopsy from tumors				2
curettage & graft or cement for bone cysts				2
managing nonunion of old fractures by ORIF & graft				5

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	***Signature of supervisor***	***Date***	***Signature of supervisor***

Clinic Log

Date	***Signature of supervisor***	***Date***	***Signature of supervisor***

Night Shifts Log

Date	*Signature of supervisor*

Date	*Signature of supervisor*

Night Shifts Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Night Shifts Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Unit (module) 3

Spine

Unit (Module) 3

(Spine)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial) and 9.225 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(9.225 ***credit points for training)***

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in spine unit	5	Orthopedic Department	• Practice with clinical cases for at least 3 month in spine unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	54.20%
	3		➢ Attendance of at least one day / week in the spine clinic (4 hours/day) for at least 12 weeks	32.52%
	1		➢ Attendance of at least 30% of clinical rounds (1 hour /week for 12 weeks)	10.84%
	0.225		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

(1.8 *credit points for didactic)*

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 3 Spine	1.8	Orthopedic department		
	1.2		**Topics and attendance**	**66.67%**
	0.2		3 hours - Surgical approaches to the spine - Trauma of the spine	11.11%
	0.2		3 hours - Degenerative Spine disorders I	11.11%
	0.2		3 hours - Degenerative Spine disorders II	11.11%
	0.2		3 hours - Spine Deformities	11.11%
	0.2		3 hours - Tumors & infections of the spine	11.11%
	0.2		3 hours - Metabolic, inflammatory and genetic spine disorders.	11.11%
	0.3		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	16.67%
	0.2		**Formative assessment (MCQ)**	11.11%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Procedure	Observer	Assistant	Supervised	Unsupervised
ACDF +/- plate		5		
Anterior reconstruction cervical spine (trauma, degenerative, tumours)		3		
Laminectomy / Laminoplasty cervical spine		3		
Posterior fusion +/- instrumentation cervical spine		2		
Occiptocervical fusion		2		
Anterior thoracic fusion +/- instrumentation		1		
Posterior thoracic fusion +/- instrumentation		5	3	
Discectomy lumbar spine		5	3	3
Revision discectomy lumbar spine		3		
Anterior Lumbar fusion +/- instrumentation		3		
Poestrolateral fusion lumbar spine		5	3	3
PLIF		5		
TLIF		5		
Vertebroplasty/kyphoplasty		2		
Kyphosis correction		3		
Scoliosis correction		5		
Growing rods for scoliosis		3		
Transpedicular biopsy Lumbar spine		2		
Epidural Abscess/ haematoma evacuation		2	2	

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Unit (module) 4

Arthroscopy/Sports Injuries

Unit (Module) 4

(Arthroscopy/Sports Injuries)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial) and 9.225 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(9.225 *credit points for training)*

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in arthroscopy and sports injuries unit	5	Orthopedic Department	• Practice with clinical cases for at least 3 month in spine unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	54.20%
	3		➢ Attendance of at least one day / week in the arthroscopy and sorts injuries clinic (4 hours/day) for at least 12 weeks	32.52%
	1		➢ Attendance of at least 30% of clinical rounds (1 hour /week for 12 weeks)	10.84%
	0.225		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

*(*1.8 *credit points for didactic)*

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 4 Arthroscopy and sports injuries	1.8	Orthopedic department		
	1.2		**Topics and attendance**	**66.67%**
	0.2		3 hours - Arthroscopy: Overview ,Basic setup, Indications and Limitations	11.11%
	0.2		3 hours - Knee Arthroscopy - Osteoarthritis of the Knee - Meniscal injuries	11.11%
	0.2		3 hours - Ligamentous injuries of the knee	11.11%
	0.2		3 hours - Shoulder arthroscopy - Rotator cuff tears - Shoulder instability - Frozen shoulder	11.11%
	0.2		3 hours - Hip arthroscopy - FAI	11.11%
	0.2		3 hours - Elbow , Wrist and Ankle arthroscopy overview	11.11%
	0.3		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	16.67%
	0.2		**Formative assessment (MCQ)**	11.11%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Task	Observer	Assistant	Supervised	Unsupervised
Diagnostic Knee Arthroscopy		5	5	2
Meniscus Surgery		5	2	
Synovectomy		5		
Loose Body Extraction		2	1	
Ligamentous reconstruction		10		
Diagnostic Shoulder Arthroscopy		5	1	
Sub-acromial Decompression		5	1	
Labrum repair		5		
Rotator cuff Repair		5		
Diagnostic Hip Arthroscopy		2		
FAI surgery		1		
Labrum repair		1		

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Unit (module) 5
Arthroplasty

Unit (Module) 5

(Arthroplasty)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial) and 9.225 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(9.225 ***credit points for training)***

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in arthroplasty unit	5	Orthopedic Department	• Practice with clinical cases for at least 3 month in spine unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	54.20%
	3		➢ Attendance of at least one day / week in the arthroplasty clinic (4 hours/day) for at least 12 weeks	32.52%
	1		➢ Attendance of at least 30% of clinical rounds (1 hour /week for 12 weeks)	10.84%
	0.225		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

*(*1.8 *credit points for didactic)*

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 5 Arthroplasty	1.8	Orthopedic department		
	1.2		**Topics and attendance**	**66.67%**
	0.2		3 hours - Degenerative Knee: Overview, Assessment, Lines of management.	11.11%
	0.2		3 hours Total Knee Replacement: - Basics, Biomechanics, Indications & Complications - Choice of implant and Technique of 1ry TKR	11.11%
	0.2		3 hours - Soft tissue balancing in TKR - Revision TKR	11.11%
	0.2		3 hours - Degenerative Hip: Overview, Assessment, Lines of management.	11.11%
	0.2		3 hours Total Hip Replacement: - Basics, Biomechanics, Indications & Complications - Choice of implant and Technique of 1ry TKR	11.11%
	0.2		3 hours Revision THR	11.11%
	0.3		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	16.67%
	0.2		**Formative assessment (MCQ)**	11.11%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Procedure	Observer	Assistant	Supervised	Unsupervised
Hip Hemi-arthroplasty				10
Primary THR			5	
Primary TKR			5	
Revision THR & TKR		5		

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Unit (module) 6

Pediatric

Unit (Module) 6

(Pediatric)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial) and 9.225 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(9.225 ***credit points for training)***

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in pediatric unit	5	Orthopedic Department	• Practice with clinical cases for at least 3 month in spine unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	54.20%
	3		➢ Attendance of at least one day / week in the pediatric clinic (4 hours/day) for at least 12 weeks	32.52%
	1		➢ Attendance of at least 30% of clinical rounds (1 hour /week for 12 weeks)	10.84%
	0.225		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

*(*1.8 *credit points for didactic)*

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 3 Pediatric	1.8	Orthopedic department		
	1.2		**Topics and attendance**	**66.67%**
	0.2		3 hours - Pediatric musculo-skeletal infections and its early and late sequelae	11.11%
	0.2		3 hours - Gait abnormalities - Limb Length Discrepency	11.11%
	0.2		3 hours - Congenital anomalies of the upper and lower limb	11.11%
	0.2		3 hours Pediatric hip - DDH, Perthe's disease, SCFE, coxa vara - Pediatric hip ultrasound	11.11%
	0.2		3 hours Pediatric foot and ankle (CTEV, flat feet)	11.11%
	0.2		3 hours - Cerebral palsy: Assessment, Management	11.11%
	0.3		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	16.67%
	0.2		**Formative assessment (MCQ)**	11.11%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Diagnositic Category	Procedure/Exam Skill	**O**bserver	**A**ssistant	**S**upervised	**U**nsupervised
CP	Observational Gait Analysis (Video-assisted) & presentation with suggestion of a treatment plan	---	---	5	---
	Soft tissue release +/- Tendon transfer +/- axes-correcting surgeries	---	3	2	---
DDH	Ultrasound Exam of Newly-born hips	---	---	10	---
	Closed Reduction + Arthrography	---	2	2	---
	Open Reduction	---	3	2	---
	Femoral Shortening	---	---	2	---
	Acetabular Osteotomy (Salter or Dega)	---	2	2	---
Clubfeet	Correction from A to Z using Ponseti Method + Bracing technique	---	---	5	---
	Tibialis anterior transfer for relapsed cases	---	2	3	---
Infections	Irrigation & Debridement of septic joint infection or osteomyelitis with subsequent care until subsidence of infection and regain of normal function.	---	---	3	---
Trauma	Closed reduction and percutaneous pinning of SC Humerus Frx.	---	---	---	5
	Reduction and fixation of physeal injuries	---	---	---	2
Analysis of lower extremity deformity, planning and executing corrective osteotomies		---	3	3	---
External fixation (Unilateral or Ring-type) for open fractures, limb lengthening or deformity correction		---	---	2	---

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Unit (module) 7
Hand/Microsurgery

Unit (Module) 7

(Hand/Microsurgery)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial) and 9.225 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(9.225 ***credit points for training)***

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in hand/microsurgery Unit	5	Orthopedic Department	• Practice with clinical cases for at least 3 month in spine unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	54.20%
	3		➢ Attendance of at least one day / week in the hand/microsurgery clinic (4 hours/day) for at least 12 weeks	32.52%
	1		➢ Attendance of at least 30% of clinical rounds (1 hour /week for 12 weeks)	10.84%
	0.225		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

*(*1.8 *credit points for didactic)*

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 7 Hand/Microsurgery	1.8	Orthopedic department		
	1.2		**Topics and attendance**	**66.67%**
	0.2		3 hours - Brachial plexus injuries - Nerve injuries	11.11%
	0.2		3 hours - Tendon injuries - Traumatic Amputation	11.11%
	0.2		3 hours - Coverage for Soft tissue defects and Flaps	11.11%
	0.2		3 hours - Vascular repair	11.11%
	0.2		3 hours - Anatomic details of The hand, the microvascular and neuro anatomy of the upper and lower limbs	11.11%
	0.2		3 hours - Bone Tumors.	11.11%
	0.3		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	16.67%
	0.2		**Formative assessment (MCQ)**	11.11%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Procedure/Skill	Observer	Assistant	Supervised	Unsupervised
Flexor and extensor tendon repair				10
Tendon transfer				10
Mini-plate application				10
Pedicled and rotational flaps				5
Free flaps			2	
Pedicled and free bone graft			2	
Design of flaps				5
Evaluation of old nerve injuries				5
Evaluation of BPI				5
Nerve graft harvesting				3
Nerve transfer			2	

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*		*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Unit (module) 8

Foot & Ankle and Deformity

Unit (Module) 8

(Foot & Ankle and Deformity)

Rotation / attendance proof

الأماكن التى تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	توقيع رئيس الوحدة	أسم المستشفى التى تدرب بها

Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial) and 9.225 point for training.

- Minimal rate of attendance 80% of training and didactic

Training

(9.225 ***credit points for training)***

Clinical training	***Credit points***	***Responsible department***	***Attendance***	***Percentage of Achieved points***
Clinical training in foot & ankle and deformity unit	5	Orthopedic Department	• Practice with clinical cases for at least 3 month in spine unit including interpretation of their different radiologic patterns and related laboratory investigation • Procedures log as mentioned below	54.20%
	3		➢ Attendance of at least one day / week in the foot & ankle and deformity clinic (4 hours/day) for at least 12 weeks	32.52%
	1		➢ Attendance of at least 30% of clinical rounds (1 hour /week for 12 weeks)	10.84%
	0.225		➢ Formative assessment	2.44%
Student signature			Principle coordinator Signature	Head of the department Signature

Didactic

*(*1.8 *credit points for didactic)*

Name of the course	*Credit points*	*Responsible department*	*Attendance*	*Percentage of Achieved points*
Unit 3 Spine	1.8	Orthopedic department		
	1.2		**Topics and attendance**	**66.67%**
	0.2		3 hours - Deformity : Overview, Causes, Presentations and Management	11.11%
	0.2		3 hours - Principles of planning of deformity correction	11.11%
	0.2		3 hours - Adult knee deformities	11.11%
	0.2		3 hours - Principles of deformity correction using external fixators - Principles of management of bone defects	11.11%
	0.2		3 hours - Foot and ankle osteotomies	11.11%
	0.2		3 hours - Foot and ankle arthrodesis	11.11%
	0.3		**Seminars, Conference or workshop** - Attendance of at least 60% of the clinical seminars - Presentation of at least 1 time in the seminar	16.67%
	0.2		**Formative assessment (MCQ)**	11.11%
Student signature			Principle coordinator Signature	Head of the department Signature

Procedures Log

(minimum number of cases required)

Deformities	Observer	Assistant	Supervised	Unsupervised
Adult knee and femoral deformities		**3**	**2**	**1**
Foot deformities by Ilizarov		**3**	**2**	
Foot osteotomies		**3**	**2**	**2**
Foot and ankle arthrodesis		**3**	**2**	**1**
Hallux surgery		**3**	**2**	**1**
Bone transport		**3**	**2**	**1**
Arthrodiastasis		**1**		

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinic Log

Date	*Signature of supervisor*	*Date*	*Signature of supervisor*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

First: Attendance

Date	*Signature*

Clinical Seminars Log

Second: presentations

Date	*Title*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Post graduate Teaching
Lectures

Date	*Title of lecture*	*Signature*

Elective Course 1

Requirements

- **Credit points:** 1.5 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management

Name of the elective course: ----------

Elective Course Lectures

Date	*Attendance*	*Topic*	*Signature*

Elective Course Practical skills

Date	*Attendance*	*Topic*	*Signature*

Elective Course 2

Requirements

- **Credit points:** 1.5 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management

Name of the elective course: ----------

Elective Course Lectures

Date	*Attendance*	*Topic*	*Signature*

Elective Course Practical skills

Date	*Attendance*	*Topic*	*Signature*

Academic activities

Lecture, journal club, conference, workshop

Activity	*Your role ** *	*Date*	*Signature*

** Your role:-
A- Attendance
B- Organization
C- Presentation

Formative assessment and MCQ

Exam	*Score*	*Grade**	*Date*	*Signature*

*Degree
A- Excellent
B- Very good
C- Good
D- Pass

الرسائل العلمية

عنوان الرسالة

عربـــــــــــــــــــــــي :

انجلـــــــــــــــــــــــيزي :

المشرفـــــــــــــــــــون :

1- .....

2- .....

3 .....

4- .....

تاريخ القيــد لدرجــة : ..... / /

تاريخ التسجيل الموضوع: .....

المتابعة الدوريـــــــــــة : .....

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين

Declaration

Course Structure Mirror	*Responsible (Course) Coordinator Name:*	*Signature*	*Date*
First Part			
-Course 1: Medical statistics			
-Course 2: Research methodology			
-Course 3: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research			
-Course 4:			
-Course 5:			
-Course 6:			
Second Part			
Course 7: Anesthesia and Intensive care 2			
Unit (Module)1			
Unit(Module) 2			
Unit (Module)3			
Unit (Module)4			
Unit (Module)5			
Unit (Module)6			
Unit (Module)7			
Unit (Module)8			
- Elective Course (1) Certificate Dates:			
- Elective Course (2) Certificate Dates:			
- M. D. Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Orthopedic Surgery M.D. Degree Principle Coordinator:			
Date approved by Orthopedic Surgery Department Council:			

يعتمد ،
رئيس القسم
أ.د/