



Logbook of MD of Rheumatology, physical medicine and Rehabilitation

SOLD VIVERSITY FACULTY OF





Personal Data
Name:
Department:
Mobile Number:
E-mail Address:
MD Degree: Date of registration:
Head of the Department Vice Dean for research and postgraduate study
VIVERSITY FACULTY OF





Aim of the Logbook.

To provide evidence that the candidate attained the desired level of competence required to gain the award. In this book, the candidate will document all academic and clinical skills he/she attained during their training.

Important regulations (for MD candidates).

- -To be legible for the first part MD exam you have to attend at least 70% of the lectures of each course in the semester as evidenced by the logbook
- -To be legible for the (MCQ online) exam at the end of each of second part semesters you have to attend at least 70% of the lectures of each course/module in the semester as evidenced by the logbook.
- To be legible for the final MD/PhD exam:
- 1- A time interval of 36 months must pass since the day of degree registration.
- 2- You have to take your practical/clinical training three times/week for two years.
- 3-You have to register 5 semesters on Ibn lhaythm registration page.
- 4- You have to attend 70% of the lectures of each course in the second part of MD/PhD degree.
- 5- You have to fulfill and perform 70% of the practical skills documented in the logbook.





Contents

Section I: Scientific lectures.

Section II: Clinical cases.

Section III: Procedures

Section IV: Seminars

Section V. Clinical rotation

Section VI: Scientific activities (conferences/workshops)

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Section I: Scientific Lectures

APPLIED ANATOMY COURSE

Compulsory First part. Credit hours: 2 credit hours

Semester: (spring/fall/summer) year.....

Title of Lecture	Date	Lecturer's Signature
■ Gross anatomy of central nerves system	14	
■ Cranial nerves		
■ Spinal nerves and de <mark>rmatomes</mark>		8
■ Nerve plexuses (cervical, brachial, lumber and sacr		
■ Muscles (feature <mark>s, types</mark> and action)	7	1.12.1
■ Joints (types, structures, movements and stability	9, 3	10-1
■ Vertebral column	2 3	3
■ Joints of the upp <mark>er limb</mark>	1 1	151
Muscle groups of the upper limb	/	191
■ Joints of the lower limb		(0)
■ Muscle groups of the lower limb		W/
■ Muscle groups of the back and shoulder girdle	106	10.
Respiratory muscles	40	
 Surface anatomy of anatomical structures and its applications in clinical practice 		





APPLIED PHYSIOLOGY COURSE

Compulsory First part. Credit hours: 2 credit hours

Semester: (spring/fall/summer) year......

Title of Lectures	Date	Lecturer's signature
■ Ca++ metabolism	8	
PH regulation		
■ Control of muscle activity		21
Pain, sensation & analgesic system	11	
 Biological homeostasis, circadian rhythm 	7	1:1-1
 All muscles, nerves (except smooth muscles) 	3	M
 Regulation of heart rate, control of blood pressure, COP Effect of training & de-conditioning on cardiovascular system 		NIOIG
 Work of breathing Pulmonary ventilation Assessment pulmonary function Hypoxia 	TYOF	
Neuro-peptides		
Gastric secretion		
Energy balance		
Obesity		
Physical fitness		





COURSE OF IMMUNOLOGY

Compulsory First part

Credit hours: One credit hour

Semester: (spring/fall/summer) year......

Lecture Title	Date	Lecturer's Signature
Innate immunity		
Lymphocytes & lymphoid tissues	- 1	
Immune response		4
Antigen presentation &		100
Major histocomptability complex	attilling.	181
Immunoglobulins &	N. III 1777/2	, // //
Immunoglobulin genes	12 -00 -	13/-
Cytokines		IV
Chemokines	51	Ш
Complement & <mark>Kinin</mark>	assaul!	/ / 3 /
Inflammation	1800	/5/
Apoptosis		1/5/
Autoimmune diseases		127
Immunodeficiency disorders		5111.
Recent trends in immune therapy		07





COURSE OF RHEUMATOLOGY AND IMMUNOLOGY

Compulsory Second part. Credit hours: 12 hours lectures in 4 semester

Semester: (spring/fall/summer) year......

Module 1 (3 credit hours)			
Lecture Title	Date	Signature	
Structure, function of joints, C.T and muscles.	. 1		
Immune & Inflammatory response.	1		
Neuro-endocrinal aspects of the immune system & inflammation.		~.\	
The role of free radicals, endothelium, adhesion molecules in the etipathogensis of rheumatic diseases.	May 1	131-	
cytokines and apoptosis in rheumatic diseases	-1,	12	
History taking, clinical examination and patient evaluation	7	Щ	
Rheumatoid arthritis		131	
Sjogren's syndrome		151	
Palindromic rheumatism		151	
Systemic lupus Erythematosus		(19/	
Systemic sclerosis			
Inflammatory diseases of muscles and other myopathies.	10		
Dermatopolymyositis	CALL,		
Large and medium-sized vessel vasculitic syndromes	100		
Small vessel vasculitic syndromes			
Behcet disease			
Spondyloarthropathies.			
Rheumatic diseases of childhood.			





Module 2 (3 credit hours) **Lecture Title Date Signature** Crystal deposition arthropathies: gout and pseudo gout. Osteoarthritis. Osteoporosis. Osteomalacia Paget's disease of bone Osteonecrosis Amyloidosis, Sarcoidosis Haematological associated arthropathies Endocrine associated arthropathies Malignant associated arthropathies Syndromes of impaired immune function; HIV, complement deficiency Infection & arthritis Diagnostic tests, procedures & lab markers (Hematological, biochemical & immunological) in rheumatic diseases. Aspiration analysis and injection of joints & soft tissues. Imaging of musculoskeletal system Differential diagnosis of different types of arthritis Fibromyalgia syndrome Psychogenic rheumatism





Module 3 (3 credit hours) Lecture Title Date **Signature** Reflex sympathetic dystrophy Renal bone diseases (osteodystrophy) Regional and soft tissue pain Pregnancy & lactation with rheumatic diseases. Non steroidal anti-inflammatory drugs. Glucocorticoids Disease modifying ant-rheumatic drugs. Immunoregulatory agents Anti-hyperuricemic drugs. Biologic agents in treatment of rheumatic diseases. Bone strengthening agents. Rehabilitation of patients with rheumatic diseases. Intra-articular therapy. Indications of surgery in rheumatic diseases. Module 4 (3 credit hours) Genetic and gene therapy of rheumatic diseases. Entrapment neuropathy Low back pain Bone and joint dysplasia. Polychondritis Epidemiology, incidence, mortality & morbidity in rheumatic diseases Systemic manifestations of rheumatic diseases. Tumors involving joints, muscles and related structures.





Infiltrative disorder associated with rheumatic diseases.	
Nutritional aspects of rheumatic diseases.	

COURSE OF PHYSICAL MEDICINE AND REHABILITATION

Compulsory Second part. Credit hours: 11 hours lectures in 4 semesters Semester: (spring/fall/summer) year......

Lecture Title	Date	Signature
Clinical and vocational evaluation & principles of		8
assessment of patients in a Rehabilitation setting.		0.5
Psychological aspects and rehabilitation		
Functional outcome assessment, self care evaluation & management	3	1-1-
Disability, functional independence & handicapping evaluation.		K
Principles of mechanical, manual & functional rehabilitation approaches		Щ
Electrodiagnosis		2
Electrophysiological studies of muscles in normal & pathological conditions.		3/
Nerve conduction studies.	OF N	
Neuromuscular junction studies.	1	
Electric stimulation and therapy	61	
Module 2 (3 credit ho	urs)	
Heat therapy		
Cold therapy		
Laser		
Electromagnetic therapy		
Hydrotherapy.		





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Traction		
Manipulation.		
Massage		
 Therapeutic exercise 		
 Adaptive system and devices for disabled patients 		
 Upper limb orthosis & prosthesis 		
 Lower limb orthosis & prosthesis. 		
Spinal orthosis (cervical, lumbar, thoraco-lumbar)		
 Transfer, wheelchairs and walking aids 		
Module 3 (3 credit hours)	1	
Lecture Title	Date	Signature
Rehabilitation of patients with arthritis		0-2
Rehabilitation of patients with pain		
Rehabilitation of patients with stroke.		
Rehabilitation of patients with spinal cord injuries		
Rehabilitation of patients with multiple sclerosis.		1
Rehabilitation of patients with Neurogenic bladder and bowel.	1	
Rehabilitation of spasticity and abnormalities of muscle tone		
Rehabilitation of orthopedic and traumatic conditions	1	Ш
Rehabilitation of scoliosis		2
Rehabilitation of amputee		
Rehabilitation after joint replacement surgery	/	0/
Gait training		
Rehabilitation of osteoporosis	1 / 3	
Rehabilitation of cardiac patients	// //	7 /
Rehabilitation of patients with pulmonary diseases	110	
Rehabilitation of patients with vascular diseases	C 14	
Rehabilitation of diabetic foot patients	101	P
Rehabilitation of gynecological & obstetric disorders	1-	
Module 4 (2 credit hours)		•
Lecture Title	Date	Signature
Training of functional independence		
Immobilization syndrome and bed ulcers		
Rehabilitation of patients with burn		
Swallowing disorders rehabilitation		
Auditory disorders rehabilitation		
Rehabilitation of Speech, language communication disorders		
Rehabilitation of patients with movement disorders		





COURSE OF GERIATRIC REHABILITATION

Elective Second part Credit hours: 2 hours Semester: (spring/fall/summer) year.....

Lecture Title	Date	Signature
Principles of practice in geriatric rehabilitation.	111	
Theories of aging.		1
Age related changes in anatomy, physiology and function.	A 30. 1	
Nutritional considerations with aging.		Ш
Drugs and function in the elderly.		3
The role of the physical therapy in care of geriatrics.	1	0
Risk factors for falling. Prevention of falls	1/3	9/
Rehabilitation after a fall.	111	1/
Osteoporosis.	101	
Diagnostic workup for osteoporosis.		
Consequences of osteoporosis.		
Prevention of osteoporosis.		
Treatment of osteoporosis		
Rehabilitation after hip, knee replacement		





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Some pathological conditions common in elderly. Cardiovascular disease.		
Arthritis, osteoarthritis, spondylosis.		
Aging with life-long disabilities.		
Risk factors for malnutrition		
Assessment of malnutrition		
Treatment of malnutrition		
Auditory Impairment		
Management of auditory impairment	19	67
Visual impairment.		
Management of visual impairment.	9	2
Psychological theories and considerations of aging.	1///	
 Screening for depression Cognitive impairment; delirium, dementia, Alzheimer's disease. 	9	5
• Cancer		

COURSE OF PEDIATRIC REHABILITATION

Elective Second part Credit hours: 2 hours
Semester: (spring/fall/summer) year.....

Lecture Title	Date	Signature
Rehabilitation of congenital and acquired disabilities.	1 W	
Rehabilitation of Pediatric traumatic brain injury.	40,	
Rehabilitation of Pediatric spinal cord injury.		
Rehabilitation of stroke in children.		
Abnormal gait in children.		
Rehabilitation of neuromuscular diseases.		
Cerebral palsy, spasticity management.		
Rehabilitation of different forms of spinal bifida.		





Therapeutic exercise, electrical stimulation.		
Bracing equipment with anticipatory guidance in children.		
Rehabilitation of pediatric amputee, pre-prosthetic and prosthetic devices.		
Pediatric burn wound care.		
Rehabilitation of juvenile idiopathic arthritis.		
Musculoskeletal pain syndromes involving the back, knee anterior leg, ankle/foot and upper extremity in pediatric patients.	5	
Pulmonary rehabilitation.		

COURSE OF REHABILITATION OF SPORT INJURIES

Elective Second part Credit hours: 2 hours Semester: (spring/fall/summer) year.....

Lecture Title	Date	Signature
Foot Injuries Foot pin, Plantar fasciitis, Bruised heel, Blisters, Bunions, Plantar fascia strain, metatarsal fracture, Mortons neuroma, Metatarsalgia, Turf toe, Athletes foot, Heel pain.	<i>y</i>	CIN
Lower leg & Ankle Injuries Ankle pain, sprained ankle, broken ankle, shin splints, calf strain, Achilles tendon rupture, Achilles pain, Sever's disease, Anterior compartment syndrome, Peroneal tendinopathy, Cramp, Calf pain, Ankle excercises.	OF HI	
Knee Injuries Knee pain, Patella pain syndrome, ACL injury, Iliotibial band syndrome, Jumper's knee, Osgood schlatters disease, Posterior cruciate ligament injury, Medical cartilage meniscus injury, Medical ligament injury, Osteoarthritis, Housemaids knee, Articular cartilage injury, Quadriceps tendon inflammation, Baker's cyst, Knee exercises.		
Lower Back Pain Lower back pain, Lumbago, Scoliosis, Sciatica, SI joint, Facet joint pain, Muscle strains, Slipped disc, Back exercises.		





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Upper Back & Neck Pain Neck pain, Whiplash, Cervical posture syndrome, Scheuermanns disease.	
Head Injuries	
Chest & Abdominal Injuries Abdominal strain hernia, Fracture of the ribs, Breast pain, Sternoclavicular joint sprain, Referred pain from the thoracic spine, Costochondritis / Tietze's syndrome, Stress fracture of the ribs.	
Elbow Injuries Elbow pain, Tennis elbow, Golfer's elbow, Triceps tendon rupture, Hyperextension injury, Students elbow.	
Wrist & Hand Injuries Wrist & Hand pain, Wrist hand bursitis, Carpal tunnel syndrome, Repetitive strain injuries, Fractured scaphoid, Metacarpal fracture, Sprained thumb, De Quervains tenosynovitis, Wrist exercises.	2.5
Sports Massage	
Strapping & Taping	31
Stretching & strengthening	

CLINICAL IMMUNOLOGY (ADVANCED COURSE)

Elective Second part Credit hours: 2 hours
Semester: (spring/fall/summer) year.....

Lecture Title	Date	Signature
Basis of genetics		7/
Genetics basis of autoimmune diseases	10 P	
Immunotherapy		
Blood Banks		
Genetics basis of immune-deficiency diseases		
Bone marrow transplantation		





Section II: Clinical Cases

Name of the case	Total number required	No. of cases to carry out under supervision	No. of cases to examine &evaluate	No. of cases to plan & manage independent
Rheumatoid arthritis and its variant (felty,sjogren, palindromic rheumatismetc)	125	50	40	35
SLE&related syndromes	40	20	15	5
Connective tissue diseases (scleroderma,PM,DMetc)	30	15	10	5
Rheumatic dis of childhood	50	25	15	10
Crystals associated arthropathy (gout, pseudogout)	30	15	10	5
Sero-ve spondyloarthropathies (AS, Psoraitic, Reactive, enteropathic)	70	30	20	20
Fibromayalgia	40	20	10	10
Osteoporosis	120	50	40	30
OA,Spondylosis	120	50	40	30
Low Back Pain	120	50	40	30
Regional joints, soft tissue pain& entrapment neuropathy	120	50	40	30
Reflex sympathetic dystrophy	10	5	3	2
Vasculitis&Behcet	15	7	5	3
Arthritis as manifestation of systemic diseases (hematological, endocrine, malignant)	15 PSITV	EACULTY	5	3
Osteonecrosis (AVN)	15	7	5	3
Rare Cases (Polychondritis, sarcoidosis, amyloidosis)	5	3	1	1





Case1: Rheumatoid arthritis and its variants					
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Case 2: SLE & related syndromes

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Case 3: Connective tissue diseases (scleroderma, PM, DM.....etc)

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Case 5: Crystals associated arthropathy (gout, pseudogout)

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Case 6: Sero-ve SPA (AS, Psoraitic, Reactive, others.....)

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Case 7: Fibromyalgia

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36.			1172	181
37.	4//	2000	111/1/-	
38.	3//	- 11	40	13/-
39.	3 /			IVI
40.		67	29	Ш
Case 8: os	steopor <mark>osis</mark>	Year	2811	3

	Level of participation	Date	Location	Supervisor Signature
1.	181	715		121
2.	121			W/
3.	P			Mr.
4.	UNI		10	
5.	- INF	PRITYE	CULI	
6.		JAI III	100	
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25.	11=		121
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27.	3	1 63	VE
28.		101	1
29.	-100		191
30.	150		1.0.
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32.		1	la.
33.		- NO.	
34.	RSITVEN	COLI.	
35.	-OII I IA		
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53.	3//		11/20	124
54.		1		1121
55.		14	-	111
56.	5 1		21 1	121
57.	Z V	1	2001 V	131
58.	10	100		101
59.	0.	150		1.0.1
60.	101			16. \
61.	74.		1	10.
62.	ONLY		- NO.	
63.	LIVE	RCITVE	COLL	
64.		101111		
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80.	1//			D.
81.		427771111	110%	
82.			11/20	124
83.		1	200	1121
84.	1	34	-2	111
85.		37	61 1	121
86.		-3	2001 V	131
87.	6	-100	133	101
88.	0.	100		1.0.1
89.	0			76. \
90.	TA.		100	10.
91.	ONIN		- NO.	
92.	TIVE	RCITVE	COLL	
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115.	CI NOW	201 V	
116.	200		191
117.	11.		1.0.1
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119.			M. \
120.		TYO	

Case 9: Osteoarthritis & Spondylosis

Level of participation	Date	Location	Signature
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17.	-	7	134
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19.	17		
20.			3
21.	-1	2011	
22.			191
23.	15.		1.0.1
24.			
25.		1	14.
26.		THU.	
27.	RSITVE	COP1.	
28.	TOTAL TO		
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44.		/ .utll!		P.
45.		47/1111	1102	
46.	3/4	1	7	
47.	9	1=		121
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49.			27	3/2
50.		1	100 / V	
51.	50	200		191
52.	0	15.		/,0`/
53.	161			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
54.	17/		1	14.
55.	VIVI		TITY O'	
56.	VE	RSITVE	COP1.	
57.		-011111		
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73.			-	0.1
74.		2011111	11/2	
75.		-	11/13	1.1.
76.		11=		11/21
77.	1	17	20	1
78.			211	12
79.		1	2011	
80.	1	-110		101
81.		15.		1.01
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83.	1		100	411
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105.	100		TEL
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108.	1	7011	
109.	-100		101
110.	1.		1.61
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112.			40.
113.		10	
114.	RSITVE	COLI,	
115.	101111	10	
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Case 10: Low back pain				
Level of participation	Date	Location	Signature	
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4.		1		
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6.			0.1	
7.	111/17/2	10%		
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9.	735	201	151	
10.		E) -		
11.	3/	23 3	Ш	
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13.	-110	13	1.01	
14.	15	11	12/	
15.			27	
16.		1	11.	
17.		101	/	
18.	POITVE	CILLI		
19.	MOTTY	AUU		
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31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.	29.				
32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.	30.				
33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.	31.	1			
34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.	32.		par 4	V	
35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.	33.	1.		1	
36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.		10/			V/\
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43. 44. 45. 46. 47. 48. 49. 50. 51.		E	-1,	100 / V	
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62.	1.5		1	
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65.		370000	1102	
66.	13/1	1	7	1.2
67.	10	11=		16
68.	- 1	17		1
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93.	. 1111		D-1
94.	500000	11/1/2	
95.		11/1/20	121
96.	11=		121
97.	24	-	111
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99.	~ 1 P	1011	121
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119.		par 4	. 1	
120.	1.5		1	

Case 11: Regional joints, soft tissue pain & entrapment neuropathy

Level of participation	Date	Location	Signature
1.	-	11/3	1.1. 1
2.	10=	500	151
3.	12	20,0	1 7 1
4. 5	34	25 7	141
5.	1	2011	151
6.	-110	(3)	191
7.	1.		1.61
8.			W/
9.		100	101
10.		-WO.	
11.	PRITYE	COLI,	
12.	111101	100	
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24.		- 1 - 2		
25.		4	4	
26.			1	
27.	10			V/\
28.		7 ,111		D.
29.		40000	11/72	
30.	13/1		11/12	124
31.	30	1		1121
32.	- 4	17	-	1111
33.			61 1	121
34.	1	1	2001 V	131
35.	101	200	133	101
36.	101	15		1.0.1
37.	10/			76. \
38.	17/			4.
39.	ONIN		170	
40.	IVE	RCITVE	ICAPI,	
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57.			-	0.1
58.		200000	1100	111
59.	3//	-	1111 30	1.1.
60.	27	100		11/21
61.		12		
62.			27 7	121
63.		1	2011	
64.	101	-10	13	101
65.	0	15.		1.01
66.	0			W. /
67.	120			41.
68.	UNIV		- WO.	
69.	LIVE	RCITYE	COLI.	
70.		וזווטיי	70	
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83.		4	4	
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85.	10			V/\
86.				D-1
87.		500000	110%	
88.	13/1		11/12	124
89.	30	1	200	1121
90.		32	-	111
91.			61 1	121
92.	7	-1	2001 V	131
93.	100	- 30	130	101
94.	10.	150		1.0.1
95.				/./
96.	174.		1	4.
97.	· WILL		- WO.	
98.	LIVE	RSITVE	ICALI,	
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115.	. 111		D-1
116.	40000	11/7-	
117.		1111 30	1.1
118.	7.7=	21	1701
119.	1 12	2	111
120.		27 7	131

Case 12: Reflex sympathetic dystrophy

Level of participation	Date	Location	Signature
1.			W/
2.		100	1111
3.		10,	
4.	POITVE	CILL	
5.	491146	100	
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Level of participation	Date	Location	Signature
1.			
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3.	تساهره		
4.		1	
5.		1	
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7.	/	The T	18
8.	2//////	1111/1-	
9.	111	40 7	1:1-1
10.	1	TIN W	IN
11.	17	29	Ш
12.	V		13
13.	C. Mar		15
14.			121
15.	1.		
se 14: Arthritis as a <mark>man</mark>		systemi <mark>c d</mark> isease	es (hematologi
endocrine, maligna		Lagation	Ci con o trans
Level of participation	Date	Location	Signature
1.	KSITYF	ACOL	
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13.	1			
14.	1	4	× 3	
15.	/: >		1	

Case 15: Osteonecrosis (AVN)

Level of participation	Date	Location	Signature
1.	-	11/1/3	1.1
2.	11=	200	1121
3.	14	-	1 1
4.	37	1831	131
5.		7 N 1	151
6.	-110	135	191
7.	15		1.61
8.			87/
9.			41.
10.		10,	
11.	POITVE	VCNF1,	
12.	A LIIO	400	
13.			
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Case 16: Rare Cases according to availability (Polychondritis, sarcoidosis, amyloidosis...)

	Level of participation	Date	Location	Signature of .
				supervisor
1.		and the same of th		
2.			1	
3.	10			V/\
4.		/!	-	0.1
5.		111172	111/7:	







Section III: Procedures

List of requirement:

Name of the procedure	Total number required	Observer	Assistant	Independent
Joint aspiration & Local injection (intrarticular& soft tissue injection)	70	40	15	15
NCS & EMG	70	35	20	15
interpret Diagnostic tests procedures and laboratory markers in rheumatic diseases	110	40	35	35
Interpret Imaging of musculoskeletal system& bone density measurement.	110	50	30	30
design rehabilitation program in patients with rheumatologic disorders (arthritis, pain, osteoporosisetc)	110	40	35	35
Construct Rehabilitation of neurological disorders (stroke, spinal cord injuries, multiple sclerosis, spasticity,etc)	110	40	35	35
Construct Rehabilitation of orthopedic, traumatic conditions, and sport injuries.	110	40	35	35
Construct Rehabilitation of scoliosis, amputee, after joint replacement, vascular diseases and diabetic foot.	50	20	20	10
Practice and evaluate Gait training.	20	10	5	5
Construct Rehabilitation of cardiac patients	10	5	3	2
Construct Pulmonary Rehabilitation	25	10	10	5
Prescribe and adapt orthosis and prothesis	60	20	20	20





Procedure1: Joint aspiration & Local injection (intrarticular & soft tissue injection)

Level of participation	Date	Location	Signature of
			supervisor
1.			
2.	بام	1	
3.		- 14	
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5.			W
6.		ID.	1.8
7.	2//////	111/2	
8.	- 18-	- Par	13/-
9.	1	74	IVI
10.	17		Lu l
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12.	21100		151
13.			131
14.	1		101
15.			My.
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18.	RSITYF	COL.	
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36.		1.1.1
37.	773 3	15
38.	317 3	1 7 1
39.	1 34 2	141
40.	7333557	151
41.	-116 733	101
42.		121
43.		301
44.	10	1111
45.	10	
46.	FPCITY FICILLY	
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65.	1 / 1	1/1/2	12
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67.	734		1
68.	7 3	1811	131
69.	1	2001	151
70.	219	13	191
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Procedure 2: NCS & EMG					
Level of participation	Date	Location	Signature of supervisor		
1.	PSITYF	VCOP,			
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24.			191
25.	10		1.0.
26.			10.
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29.	RSITVE	ICALI.	
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50.	12	2	1
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52.	1	200 d V	151
53.	-110	3	101
54.	10		1.01
55.			16. \
56.			10.
57.		10	
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60.		11115	111
61.	1 11	49,	11/2
62.	317	7	1 2
63.	137	73	144
64.		901	131
65.	-110	140	101
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Procedure 4: Interpret Imaging of musculoskeletal system & bone density measurement.				
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Procedure 6:Construct Rehabilitation of neurological disorders (stroke, spinal cord injuries, multiple sclerosis, spasticity,etc)				
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Procedure 8: Construct Rehabilitation of scoliosis, amputee, after joint eplacement, vascular diseases and diabetic foot.				
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Procedure 9: Practise and eva	luate gait train	ing	
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Procedure 12: Prescribe and adapt orthosis and prothesis					
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Level of participation:

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Assistant

Independent





Section IV: Seminars

Requirements:

1-Seminar attendance: 85

2-Seminar performance: 2 Rheumatology & 2 Rehabilitation

1- Seminar Attendance

Topic	Date	Signature
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2- <u>Seminar Performance</u>

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Section V: Clinical rotation

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Section VI:

Scientific activities (Conferences/workshops)

Requirements

Conferences		
Total number requ	ired: 7	
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Role:

- Attendant
- -Organizer
- -presenter