



Department of Anesthesia, Surgical Intensive Care & Pain Management

Logbook of MD



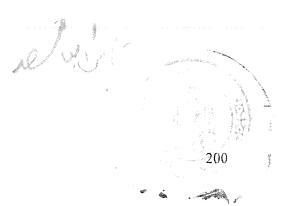


Personal Data

Name:
Department
Mobile Number:
E-mail Address:
1.9, 2 F
MD Degree: Date of registration: ///
3
Signature:
Head of the Department Vice Dean for Personal and Portonaduate Study
Head of the Department Vice Dean for Research and Postgraduate Study

نظام الامتحانات وتوزيع الدرجات لمقررات القصول الدراسية (دكتوراه تخدير وعناية مركزة جراحية وعلاج ألم)

القصل			درجة المقرر		
المدراسي	المقرر	مدة الاختبار النهاني	أعمال فصلية	الاختبار النهاني	الدرجة الاجمالية
	770		(%20)	(%80)	
الفصل المدراسني الأول	امتحانات المقررات الدراسية الإجبارية المو	زَهَلَةً والعَلَكُورةَ فَي بِنَدُ أُولًا ا	من الباب الرابع لملاند	ة بمعرفة الدراسات العليا با	کلیة.
	مقرر متقدم في الفيزياء الحيوية والقياسات الإكلينيكية	ساعة ونصف	20	80	100
القصول	مقرر منقدم في التخدير جزء اول	ساعتين ونصف	30	120	150
الدراسية الثاني	مقرر منقدم في التخدير جزء ثاني	ساعتين ونصف	30	120	150
والثالث	مقرر متقدم في التخدير جزء ثالث	ساعتين ونصف	30	120	150
والرابع	مقرر متقدم في العناية المركزة	ئلاث ساعات	40	160	200
	مقرر منقدم في علاج الألم	ٹلاٹ ساعات	40	160	200
	- المقرر الاختياري	ساعة ونصف	20	80	100
الفصل الدراسي الخامس	المقرر التطبيقي الإكلينيكي التكاملي المتقدم في التخدير والعداية المركزة و علاج الألم (الامتحان الاكلينيكي النهائي التكاملي المتقدم ويشدمل على: - محطات امتحانات إكلينيكية وشغوية في التخدير والعداية المركزة وعلاج الألم - امتحان شغوي في المقرر الاختياري		100 المقرر النطبيقي) التكاملي المتقدم في التخدير والعناية المركزة وعلاج (الألم	400 (موزعة على المحطات الامتحانية)	500



38 - درجة الدكتوراة في التخدير والعناية المركزة الجراحية وعلاج الألم (ANET 628)

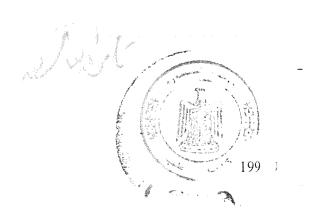
القسم الماتح للدرجة: قسم التخدير والعناية المركزة الجراحية وعلاج الألم

مسمى الدرجة: درجة الدكتوراة في التخدير والعناية المركزة الجراحية وعلاج الألم

Doctorate Degree in Anesthesia, Surgical Intensive care and Pain Management

المقررات الدراسية وتوزيع الساعات المعتمدة للفصول الدراسية

ن المعتمدة	الساعات	الكو د	Course	المقرر	القصل
الإجمالي	المقرر		Course		
8	مقررات دراسية اجبارية المذكورة في بند أولا من الباب الرابع من اللانحة		القصل الدراسي الأول		
	2	ANET 628 ABCN	- Biophysics and Clinical Measurements (Advanced).	ـ مقرر متقدم في الفيزياء الحيوية والقياسات الإكلينيكية.	
	4	ANET 628 AAN I	- Anesthesia part I (Advanced).	. مقرر متقدم في التخدير جزء أول .	
	3	ANET 628 AAN II	- Anesthesia part II (Advanced).	- مقرر متقدم في التخدير جزء ثاني.	
22	3	ANET 628 AAN III	- Anesthesia part III (Advanced).	- مقرر منقدم في النخدير جزء ثالث.	القصول الدراسية الثاني والتالث والرابع
	5	ANET 628 AIC	- Intensive Care (Advanced).	. مقرر متقدم في العناية المركزة.	
	5	ANET 628 APM	ANET 628 APM	. مقرر منقدم في علاج الالم.	
	8	ANET 628 AAAIP	- Applied Anesthesia, Intensive Care and Pain Management (Advanced).	. المقرر التطبيقي الإكلينيكي التكاملي المتقدم في التخدير العناية المركزة وعلاج الألم.	··•
10		Electiv	e course (only one):	مقرر اختياري (واحد فقط):	الفصل الدراسي الخامس
	englishin penjanarpananan	ANET 628 ARA	- Radiology in Anesthesia (Advanced).	. مقرر منقدم في الأشعة المرتبطة بالتخدير	المسلم المسلم المسلم
	2	ANET 628 AT	- Trauma (Advanced).	. مقرر متقدم في الاصابات.	
	تخصص للرسالة والتدريب العملي والإكلينيكي المتقدم المتخصص			القصول الدراسية السادس والسابع	
20	20 ساعة معتمدة توزع على الفصول الدراسية من الرابع الى السابع			الرسالة	
60	إجمالي الساعات المعتمدة				







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 examyou have to attend at least 70% of the lectures of each coursein 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 MDexam:
- 1- A time interval of 36 months must pass since the day ofdegree registration.
- 2- You have to take your practical/clinical trainingthree 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 degree.
- 5-You have to fulfill and perform 70% of the practical skills documented in the logbook.





Contents

Section I. Scientific Lectures

Section II: Procedures

Section III. Clinical Rotation

Section IV:Seminars

Section V. Student Teaching Sections

Conferences/Workshops)

Activities (Conferences/Workshops) Section VI: Scientific Activities (Conferences/Workshops)





Section I:

Scientific Lectures

Insert the suitable number of timetables for each of first and second part courses taking into account:

- 1- The number of lectures of each courseand its teaching hours whichare determined by its credit hours (1credit =15 teaching hours).
- 2- The timetables of each course should be copied from its course specification.
- 3- The timetables must be updated each time the course specification is updated.





Name of the course: Basics of biophysics

Compulsory/Elective: Compulsory

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

Date	Title of the lecture	Lecturer's signature
	Basic physics of atoms	
	Simple mechanics	
9	Viscosity, density, baricity	
	Diffusion, osmosis, osmolarity	
	Solubility	4
	Saturated vapor pressure	8
14	Biological membranes	
1.3'	Sine wave and wave patterns	3/2
.0	Resonance and damping	V.
3	Physics of heat	Щ
P	Physics of temperature	
12	Physics of pressure	S
10.	Physics of electricity	
	Electrical safety	7/
	Flow measurement 1	
	Flow measurement 2	
	Volume measurement 1	
	Volume measurement 2	
	Pressure measurement1	
	Pressure measurement 2	
	Laminar flow	
	Turbulent flow	





	Flow principles and effects	
	Gas laws 1	
	Gas laws 2	
	Humidity 1	
	Humidity 2	
	Transducers 1	
	Transducers 2	
	Gas Chromatography & spectrometry	
	Measurement of O ₂ , Co ₂ , anesthetic agents	
	Measurement of H+	0.1
	Gas supply system	
131	Gas cylinders	2/2
20	Anesthesia machine 1	12
	Anesthesia machine 2	111
5	Anesthesia machine 3	13
1 - 1	Anesthesia machine 4	
(0)	Ventilator wave analysis 1	2
10,	Ventilator wave analysis 2	0
10	Vaporizers 1	4/
	Vaporizers 2	
	Flowmeters	
	Anesthetic circuits 1	
	Anesthetic circuits 2	
	Oxygen delivery systems	
	Gas scavenging systems	
	ECG 1	
	ECG 2	





Pulse oximetry Capnography Pulmonary artery catheterization Non-invasive blood pressure monitoring Invasive blood pressure monitoring CVP monitoring
Pulmonary artery catheterization Non-invasive blood pressure monitoring Invasive blood pressure monitoring
Non-invasive blood pressure monitoring Invasive blood pressure monitoring
Invasive blood pressure monitoring
CVP monitoring
Temperature monitoring
COP monitoring
Blood flow measurement (Doppler)
Monitoring of CNS
Neuromuscular monitoring
Physics of patient positioning 1
Physics of patient positioning 2
ECHO physics 1
ECHO physics 2
The Operating Room safety 1
The Operating Room safety 2
Cardiac pacing and defibrillation 1
Cardiac pacing and defibrillation 2
Ultrasound 1
Ultrasound 2
Laser
MRI
Radiation physics
Energy and power
Fires and Explosions





Name of the course: Anesthesia 1

Compulsory/Elective: Compulsory

Credit hours: 4 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature			
Applied Pharmacology related to anesthesia, ICU& pain					
	Inhalational anesthetics 1				
	Inhalational anesthetics 2	-5-			
/ 4	Nonvolatile anesthetic drugs 1				
1.5	Nonvolatile anesthetic drugs 2	-			
1.0	Neuromuscular blocking agents				
3	Adrenergic agonists& antagonists	2			
1 2	Anticholinergics& cholinesterase inhibito	ors			
10	Benzodiazepines	2/			
	Opioids	7/			
	Non-opioid analgesics				
	Adjuncts to anesthesia				





Date	Title of the lecture	Lecturer's signature
Obstetric a	nesthesia	
	Changes during pregnancy 1	
	Changes during pregnancy 2	
	Anesthesia for normal labor 1	
	Anesthesia for normal labor 2	
	Anesthesia for cesarian section 1	
	Anesthesia for cesarian section 2	
	Preeclampsia: pathophysiology	
14	Preeclampsia: management 1	
15	Preeclampsia: management 2	3
1.0	Eclampsia	V
2	Pre-partum hemorrhage: placenta previa	Ш
12	Pre-partum hemorrhage: types	2
12	Pre-partum hemorrhage:management	Ci
10	Post-partum hemorrhage: types	7/
10	Post-partum hemorrhage: management	9/
	Obstetric patient & CVS diseases 1	
	Obstetric patient & CVS diseases 2	
	Obstetric emergencies 1	
	Obstetric emergencies 2	
	Anesthesia of pregnant for non-obstetric surgery 1	
	Anesthesia of pregnant for non-obstetric surgery 2	
CVS anestl	hesia& Cardio-thoracic surgery	
	Cardiac cycle	





Coronary circulation	
Waveform analysis	
Drugs acting on CVS system	
Pharmacology of anesthetic drugs related for cardiac surgery	
Pharmacology of anticoagulants&antiplatelet drugs related for cardiac surgery	
Anesthetic considerations of HTN	
Anesthetic considerations of IHD	
Anesthetic considerations of HF	-3
Anesthetic considerations of cardiomyopathy	
Anesthetic management of valvular diseases 1	1
Anesthetic management of valvular diseases 2	V
Anesthetic management of congenital heart diseases	INE
Anesthetic management of pulmonary HTN	0
Cardiopulmonary bypass machine 1	
Cardiopulmonary bypass machine 2	* /
PH& alpha state	
Anesthetic management for valve replacement surgery 1	
Anesthetic management for valve replacement surgery 2	
Anesthetic management for CABG surgery	
Anesthesia for pediatric cardiac surgery	
Anesthetic management for congenital heart surgery	
	Waveform analysis Drugs acting on CVS system Pharmacology of anesthetic drugs related for cardiac surgery Pharmacology of anticoagulants&antiplatelet drugs related for cardiac surgery Anesthetic considerations of HTN Anesthetic considerations of IHD Anesthetic considerations of Gardiomyopathy Anesthetic management of valvular diseases 1 Anesthetic management of valvular diseases 2 Anesthetic management of congenital heart diseases Anesthetic management of pulmonary HTN Cardiopulmonary bypass machine 1 Cardiopulmonary bypass machine 2 PH& alpha state Anesthetic management for valve replacement surgery 1 Anesthetic management for valve replacement surgery 2 Anesthetic management for CABG surgery Anesthesia for pediatric cardiac surgery









Name of the course: Anesthesia 2

Compulsory/Elective: Compulsory

Credit hours: 3 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
Neuro-ane	esthesia	
	Neuro-anatomy	
	Radiology of CNS	
	Neurophysiology	-5
	Neuro-physiologic monitoring	
	Effect of anesthetic drugs on CNS physiology	1
1:0	Blood brain barrier	1
2	Brain protection	Ш
T	CSF physiology	2
12	Intra-cranial pressure	5/
10	Head trauma 1	
	Head trauma 2	
	Anesthesia of supra-tentorialtumors	
	Anesthesia of infra-tentorial tumors	
	Anesthesia of posterior fossa tumors	
	Anesthesia of cerebral aneurysm 1	
	Anesthesia of cerebral aneurysm 2	
	Pituitary tumours	
	Spinal cord trauma	





Anesthesia of spine surgery	
Anesthesia of carotid end-arterectomy	
Neuromuscular transmission&monitoring	
Patient positioning	
Awake craniotomy	
Pediatric neuro-anesthesia 1	
Pediatric neuro-anesthesia 2	
Neuro-psychiatry: physiology	
Anesthetic consideration for psychiatric diseases	2

GIT& Bariatric anesthesia

(-)	Hepatic physiology	<u></u>
1.0	Drugs acting on GIT	V
3	Anesthesia for laparoscopy 1	Ш
E	Anesthesia for laparoscopy 2	<
1 70	Anesthetic consideration for LCF 1	5
10	Anesthetic consideration for LCF 2	
10	Anesthetic considerations for hepatic transplant patient 1	
	Anesthetic considerations for hepatic transplant patient 2	
	Anesthetic considerationsfor Intestinal obstruction	
	Physiological changes in morbid obesity 1	
	Physiological changes in morbid obesity 2	
	Anesthetic consideration for bariatric surgery	





Orthopedic anesthesia		
	Geriatric physiology	
	Spinal anesthesia	
	Epidural& caudal anesthesia	
	Complications of neuro-axial anesthesia	
	Regional anesthesia 1	
/	Regional anesthesia 2	
	Anesthesia for myasthenia gravis	
	Anesthesia for other musculoskeletal diseases	-5
	Malignant hyperthermia	
(2)	Anesthetic considerations for trauma patients 1	
30	Anesthetic considerations for trauma patients 2	1
2	Total hip and knee replacement surgery	Ш
F	Bone cement syndrome	2
ENT anesthe	esia	0
10	Post-tonsillectomy bleeding	5 /
10	Anesthetic considerations for surgeries on nose and para-nasal sinuses	
	Anesthetic considerations for ear surgeries	
	Anesthetic considerations for laryngeal surgeries	
	Anesthesia for surgeries on upper air way 1	
	Anesthesia for surgeries on upperair way 2	
	Post-extubation laryngeal edema&croup	
	Hypotensive anesthesia	





Maxillofacial & dental anesthesia	
Anesthetic considerations for Laser surgery	
Special equipments for ENT surgeries	







Name of the course: ICU

Compulsory/Elective: Compulsory

Credit hours: 5 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
	ICU design 1	
	ICU design 2	
6	Infection control 1	
0	Infection control 2	
	Cardiopulmonary resuscitation 1	-3
	Cardiopulmonary resuscitation 2	
13/	Cardiopulmonary resuscitation 3	1-
1:2	Central venous catheterization 1	101
	Central venous catheterization 2	111
3	Mechanical ventilation 1	
7	Mechanical ventilation 2	51
1301	Mechanical ventilation 3	0/
100	Mechanical ventilation 4	
10	Mechanical ventilation 5	7/
17	Mechanical ventilation 6	
	Mechanical ventilation 7	
	Mechanical ventilation 8	
	Enteral and parenteral nutrition 1	
	Enteral and parenteral nutrition 2	
	Enteral and parenteral nutrition 3	
	Enteral and parenteral nutrition 4	
	Enteral and parenteral nutrition 5	





	Enteral and parenteral nutrition 6	
	Acid-base balance 1	
	Acid-base balance 2	
	Acid-base balance 3	
	Acid-base balance 4	
	Acid-base balance 5	
	Fluid & electrolyte disturbances 1	
	Fluid & electrolyte disturbances 2	
(0)	Fluid & electrolyte disturbances 3	
	Fluid & electrolyte disturbances 4	4
	Fluid & electrolyte disturbances 5	
14	Arrhythmia 1	
1:21	Arrhythmia 2	12
	Arrhythmia 3	Y I
3	Acute coronary syndrome 1	Ш
E	Acute coronary syndrome 2	5
12	Pulmonary embolism 1	0
100	Pulmonary embolism 2	
10	Pulmonary embolism 3	'/
7	ARDS 1	
	ARDS 2	
	ARDS 3	
	Aspiration pneumonitis 1	
	Aspiration pneumonitis 2	
	Sepsis & septic shock: pathophysiology 1	
	Sepsis & septic shock: pathophysiology2	
	Sepsis & septic shock: management 1	
·		





11171-5		
	Sepsis & septic shock: management 2	
	Sepsis & septic shock: management 3	
	Sepsis & septic shock: management 4	
	Sepsis & septic shock: management 5	
	Management of burn 1	
	Management of burn 2	
	Management of burn 3	
	Intracranial hypertension 1	
0	Intracranial hypertension 2	
	Coagulation cascade 1	-5
	Coagulation cascade 2	
14/	Coagulation cascade 3	
1:21	Thromboelastography 1	FI
	Thromboelastography 2	
3	Thromboelastography 3	H
E	Fluid & blood components 1	
7	Fluid & blood components 2	0
18	Fluid & blood components 3	
10,	Diabetic comas 1	1
17	Diabetic comas 2	
	Management of trauma patients 1	
	Management of trauma patients 2	
	Management of trauma patients 3	
	Delirium	
	Post-operative complications 1	
	Post-operative complications 2	





Name of the course: Anesthesia 3

Compulsory/Elective: Compulsory

Credit hours: 3 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
Respiratory	anesthesia	
	Respiratory physiology 1	
	Respiratory physiology 2	2-3
12	Interpretation of PFTs	
1.51	Drugs acting on respiratory systems	14
1.0	Difficult airway: assessment	
3	Difficult airway: management	4
13	Airway management techniques 1	
100	Airway management techniques 2	2
10,	Airway emergencies 1	0 /
10	Airway emergencies 2	
	Obstructive lung diseases	
	Anesthesia of asthmatic patients 1	
	Anesthesia of asthmatic patients 2	
	Anesthesia of COPD patients 1	
	Anesthesia of COPD patients 2	
	Restrictive lung diseases 1	
	Obstructive lung diseases 2	





Anesthesia of OSAS patients	
Post-operative pulmonary complications	
nesthesia	
Anatomy of the eye	
Techniques of local ocular anesthesia	
Effect of anesthesia on IOP	
Oculo-cardiac reflex	
Anesthetic considerations for different eye surgeries 1	
Anesthetic considerations for different eye surgeries 2	2-3
Anesthetic considerations for different eye surgeries 3	3
Rupture globe	V
esthesia	NE
Diabetic patients: pathophysiology	c.
DM: anesthetic considerations	2/
DM: peri-operative management	2 /
Diabetic emergencies	
Hyperthyroidism: pathophysiology	
Hyperthyroidism: anesthetic management	
Hyperthyroidism: peri-operative management& crisis	
Hypothyroidism: pathophysiology	
Hypothyroidism: anesthetic management	
Hypothyroidism: peri-operative	
	Post-operative pulmonary complications nesthesia Anatomy of the eye Techniques of local ocular anesthesia Effect of anesthesia on IOP Oculo-cardiac reflex Anesthetic considerations for different eye surgeries 1 Anesthetic considerations for different eye surgeries 2 Anesthetic considerations for different eye surgeries 3 Rupture globe sthesia Diabetic patients: pathophysiology DM: anesthetic considerations DM: peri-operative management Diabetic emergencies Hyperthyroidism: pathophysiology Hyperthyroidism: peri-operative management Hyperthyroidism: peri-operative management Hyperthyroidism: pathophysiology Hypothyroidism: pathophysiology Hypothyroidism: pathophysiology





	Hyperparathyroidism	
	Hypoparathyroidism	
	Cushing syndrome& Conn's disease	
	Adreno-cortical crisis	
	Anesthesia for pheochromocytoma 1	
	Anesthesia for pheochromocytoma 2	
	Other endocrinal disorders	
()	Hematology physiology	
	Hematological&coagulation disorders 1	3
	Hematological &coagulation disorders2	
13/	Hematological &coagulation disorders3	
:5	Peri-operative anesthetic problems 1	
	Peri-operative anesthetic problems 2	
2	Peri-operative anesthetic problems 3	Z
Pedi <mark>atric a</mark> ne	sthesia /	5
100/	Physiological changes in pediatrics	
00	Anesthetic considerations for pediatric surgery	7/
	Congenital diaphragmatic hernia	
	Trachea-esophageal fistula	
	Pyloric stenosis	
	Anesthesia for cleft lip & palate	
	Neonatal anesthesia	
	Day case surgery	
	Sedation	





Pediatric emergencies	
Upper airway endoscopy	
Upper GIT endoscopy	

Name of the course: Pain

Compulsory/Elective: Compulsory

Credit hours: 5 Semester: (spring/fall/summer) year......

/ 2		
Date	Title of the lecture	Lecturer's signature
	Definitions	
2	Pain pathway 1	
:0)	Pain pathway 2	7
3	Pain physiology 1	Ш
E	Pain physiology 2	>
1201	Pain physiology 3	5
10,	Pain measurement	
	Acute post-operative pain1	
	Acute post-operative pain 2	"
	Stress response	
	Chronic pain 1	
	Chronic pain 2	
	Chronic pain 3	
	Chronic pain 4	





	Pharmacological interventions	
	Anatomy of vertebral column, Epidural space&dermatomal distribution 1	
	Anatomy of vertebral column, Epidural space&dermatomal distribution 2	
	Anatomy of vertebral column, Epidural space&dermatomal distribution 3	
	Degenerative changes in back pain	
/ 2	How to examine the back	
	Clinical presentation to LBP	
13/	Medical &interventional treatment of LBP 1	
35	Medical & interventional treatment of LBP 2	5
	Medical & interventional treatment of LBP 3	Lu
131	Failed back surgery syndrome 1	>
12	Failed back surgery syndrome 2	5
15	Cancer pain 1	
10	Cancer pain 2	
13	Cancer pain 3	
	Types of neuropathic pain	
	Post-herpetic neuralgia 1	
	Post-herpetic neuralgia 2	
	Trigeminal neuralgia	
	Glossopharyngeal neuralgia	
	Diabetic neuralgia	





	Complex regional pain syndrome 1	
	Complex regional pain syndrome 2	
	Entrapment syndromes	
	Myofascial pain	
	Sympathetic blocks	
	Stellate ganglion block	
	Celiac plexus block	
/ 9	Splanchnic nerve block	
	Hypogastric plexus block	-1
14/	Ganglion impar block	
1:21	Paravertebral block	15
	Neurolytic blocks & radiofrequency ablation	11.
2	Somatic blocks 1	2
12	Somatic blocks 2	
100	Brachial plexus block	~ /
10	Bier block	/
1	Peripheral nerve blocks 1	
	Peripheral nerve blocks 2	
	Peripheral nerve blocks 3	
	Peripheral nerve blocks 4	
	Peripheral nerve blocks 5	
	Headache 1	
	Headache 2	
Beautiful Control of the Control of		





Palliative care medicine 1	
Palliative care medicine 2	

Name of the course: Applied anesthesia, ICU & pain

management (Advanced)

Compulsory/Elective: Compulsory

Credit hours: 8 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
		- 5
11		
1.5%		1
.0		V.
3		7
17		5
100		2/
19		





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1:21	5
	111
15	N.
121	
100	7/
10	/
1	





Name of the course: Radiology related to anesthesia

Compulsory/Elective: Elective

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

Date	Title of the lecture	Lecturer's signature
	Principles of X-ray	
	Principles of CT scan	
	Principles of MRI	
	Principles of U/S 1	
	Principles of U/S 2	
	Principles of U/S 3	
	Chest X-ray 1	-
	Chest X-ray 2	
	Chest X-ray 3	
	CT chest 1	
1.07	CT chest 2	
.0	CT chest 3	V-
-5	CT chest 4	Lu
121	CT chest 5	
Z	Brain CT 1	
121	Brain CT 2	
(C)	Brain CT 3	
\ 0,	Brain CT 4	
	Brain CT 5	
	Cervical, thoracic& lumbar X-ray 1	Bi.
	Cervical, thoracic& lumbar X-ray 2	
	Cervical, thoracic & lumbar X-ray 3	
	Cervical, thoracic & lumbar X-ray 4	
	CT abdomen 1	
	CT abdomen 2	
	CT abdomen 3	
	FAST 1	
	FAST 2	
	FAST 3	
	FAST 4	











List of requirements

Name of the procedure	Total number required	Observer	Assistant	Independent
Oral endotracheal intubation	80			80
Nasalendotracheal intubation	20			20
Supraglottic airway devices	40			40
Fiberoptic intubation	20	5	5	10
Difficult venouscannulation	30	1/2		30
Central vein catheterization	30	100	1:15	30
Pulmonary art. catheterization	5	5	H	l .
Arterial cannulation	20	De y	3	20
Spinal anesthesia	70		10	70
Epidural anesthesia	40		MA	40
Caudal anesthesia	10	ILTY		10
Paravertebral anesthesia	15		5	10
U/S brachial plexus block	20			20
U/S regional nerve blocks	50	10	10	30





Procedures Log

Level of participation:

Observer

Assistant

Independent

maepenaent					
Procedure 1: Oral endotracheal intubation					
Level of participation	Date	Location	Signature of supervisor		
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Procedure 2: Nasalendotracheal intubation				
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P	Procedure 3: Supraglottic airway devices			
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	Procedure 4: Fiberoptic intubation				
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Procedure 5: Difficult venous cannulation			
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Procedure 6: Central vein catheterization				
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Level of participation	Date		Signature of	





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Procedure 7: Pulmonary artery catheterization				
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	Procedure 8:Arter	rial cannulation		
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	Procedure 9: Spi	nal anesthesia	
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	Procedure 10: Epic	lural anesthesia	
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	Procedure 11:Car	udal anesthesia	
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	Procedure 12: Parve	rtebral anesthesia	
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I	Procedure 14:U/S reg	gional nerve block	S
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Clinical Rotation

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List of requirements:

1- Seminar attendance: 15 times

2- Seminar performance:5 times

1- Attendance

Topic	Date	Supervisor signature
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2- Performance

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List of requirements:

Student teaching sections: 5 times

Date	Section subject	Supervisor's signature
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Section VI: Scientific Activities (Conferences/Workshops)





List of requirements:

Conferences				
Total number required	Attendance	Organization	Presentation	
3 3				
Workshops				
Total number required	Attendance	Organization	Presentation	
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Activity (Conference/Workshop)	Role	Date	Supervisor's signature
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Role:

- -Attendant
- -Organizer
- -Presenter