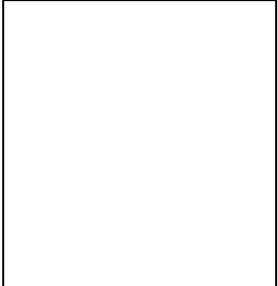




***Log Book of MD.***  
***of***  
***Clinical Oncology and***  
***Nuclear Medicine***



**Personal Data**



Name: .....

Department : .....

Mobile Number:.....

E-mail Address: .....

Master Degree:

Date of registration: ...../...../.....

MD/PhD Degree:

Date of registration: ...../...../.....

Signature:

Head of the Department

Vice Dean for research and postgraduate study



### 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 MS candidates):

- To be legible for the first part MS 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 MS exam :
  - 1- A time interval of 36 months must pass since the day of registration to the job for residents and demonstrators and 30 months since the day of degree registration for non residents.
  - 2- You have to spend a year of daily clinical/practical training in the department or two years with three times/week practical/clinical training.
  - 3-You have to register 4 semesters on Ibn lhaythm registration page.
  - 4- You have to attend 70% of the lectures of each course in the second part of MS degree.
  - 5- You have to fulfill and perform 70% of the practical skills documented in the logbook.

### Important regulations (for MD/PhD 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 Ihaythm 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.





## Bylaws of the MD





## **Contents**

Section I: Scientific lectures .

Section II: Clinical cases.

Section III: Procedures/operations

Section IV: Seminars

Section V: Clinical rotation

Section VI: Scientific activities (conferences/workshops)



# Section I:

## Scientific Lectures

### First Part

Compulsory Course title:	<b>Pathology of Tumors</b>
Course code:	<b>CONM 605</b>
Credit hours:	<b>5 hours</b>
Total teaching hours	<b>75 hours lectures</b>



Subjects	Lectures	Date	Signature of Lecturer
<b>*General pathology:</b> -Neoplasia -Tumor growth -Carcinogenesis -Tumor markers -Hormones & cancers	4 4 4 4 4		
<b>*Special pathology:</b> -pathology of head and neck tumors. - pathology of brain malignancies. -pathology of lung and pleural cancers - pathology of gastro-intestinal malignancies -pathology of female genital system tumors - pathology of male genital system tumors	4 4 4 4 4 4		





Subjects	Lectures	Date	Signature of Lecturer
* pathology of urothelial system tumors	3		
* pathology of breast cancer	4		
*pathology Soft tissue sarcomas	4		
*pathology of Bone sarcomas	4		
*pathology of Skin cancer and melanomas.	4		
*pa thology of Cancer of the endocrine system ( thyroid, parathyroid, adrenals, pancreas, carcinoid).	4		
* pathology of Solid tumors of childhood.	4		
*Leukemias, lymphomas and plasma cell neoplasms.	4		



## Second part

### (Clinical Oncology, Nuclear Medicine ,and Elective Courses)

Compulsory Course title.	<b>Clinical Oncology</b>
Course code.	<b>CONM 617 CO</b>
Credit hours	<b>14 lectures 15 clinical</b>
Total teaching hours.	<b>210 hours lectures 450 hours practical</b>

210 hours lectures



Trimesters	Subjects	Lectures	Date	Signature of Lecturer
<b>First</b>	*Principles of cancer management and decision making for treatment policy: surgery, radiotherapy, hormonal therapy and chemotherapy.	4		
	* Multidisciplinary approach of treatment.	3		
	<b>* Recent advances in management of cancer head and neck:</b> - nasal cavity, 2 -paranasal sinuses, 2 -nasopharynx, 3 -oral cavity, 3 - oropharynx, 2 - larynx, 2 -hypopharynx 2 -salivary glands. 2			
	<b>* Recent advances in management of cancer lung:</b> -small cell lung cancer 2 -Non-small cell lung cancer 3 -Carcinoids tumors 3 -Large cell neuroendocrine carcinoma. 2 <b>* Recent advances in management of cancer mediastinum :</b> -Thymic tumors 2 -Germ Cell Tumors 2 -Mesenchymal tumors 2 -Neurogenic tumors 2 -Primary Cardiac malignancies 2  <b>*Recent advances in management of cancer pleura.</b> 2			
	* Recent advances in management of Leukemias, lymphomas and plasma cell neoplasms.	6		



	<p><b>* Recent advances in management of genitourinary system cancers:</b></p> <ul style="list-style-type: none"> <li>-kidney, 2</li> <li>- ureter, 1</li> <li>- bladder, 3</li> <li>-prostate, 3</li> <li>-urethra, 1</li> <li>- penis, 2</li> <li>-testis 3</li> </ul>			
<b>Second</b>	<p><b>* Recent advances in management of GIT cancers:</b></p> <ul style="list-style-type: none"> <li>- esophagus, 2</li> <li>-stomach, 2</li> <li>-pancreas, 2</li> <li>- hepatobiliary, 2</li> <li>-small intestine, 2</li> <li>-colon, 2</li> <li>-rectal 2</li> <li>-anal region. 2</li> </ul>			
	<p><b>* Recent advances in management of Gynecologic tumors:</b></p> <ul style="list-style-type: none"> <li>- vulva, 2</li> <li>-vagina, 2</li> <li>-cervix, 3</li> <li>- endometrium, 2</li> <li>-fallopian tubes, 2</li> <li>-gestational trophoblastic disease 3</li> <li>-ovary 4</li> </ul>			
	<p><b>* Recent advances in management of breast cancer:</b></p> <ul style="list-style-type: none"> <li>-Early breast cancer 2</li> <li>-Locally advanced breast cancer 2</li> <li>-Metastatic breast 2</li> </ul>			



	* <b>Recent advances in management of Soft tissue sarcomas</b>	4		
	* <b>Principles of applications of biologic Therapy</b>	2		
	* <b>Supportive care of cancer patient.</b>	4		
Third	* <b>Recent advances in management of Bone sarcomas:</b>			
	-Osteosarcoma	2		
	-Giant cells tumors	1		
	-Ewing sarcoma	2		
	-Chondrosarcoma	2		
	* <b>Recent advances in management of Skin :</b>			
	-Non melanomatous skin cancer	2		
	-Melanomas.	2		
	* <b>Recent advances in management of Cancer of the endocrine system :</b>			
	- thyroid,	2		
-parathyroid,	1			
-adrenals,	1			
- pancreas,	2			
- carcinoid.	2			
* <b>Recent advances in management of Neoplasms of the central nervous system:</b>				
-Low grade gliomas	2			
-High grade gliomas	2			
-Meningiomas	2			
-Ependymomas	2			
-Medulloblastoma	2			
-Pituitary tumors	2			
-Spinal cord tumors	2			
-Orbital, ocular& optic nerve tumors.	2			



	<p><b>* Recent advances in management of Solid tumors of childhood:</b></p> <ul style="list-style-type: none"> <li>-Neuroblastoma 2</li> <li>-Wilm's 2</li> <li>-Retinoblastoma 2</li> <li>-Pediatric bone sarcomas 3</li> <li>-Osteosarcoma 2</li> <li>-Ewing's sarcoma 2</li> <li>-Rhabdomyosarcoma 2</li> <li>-Liver tumors 2</li> <li>-Germ cell tumors 2</li> </ul>		
<b>Fourth</b>	*Paraneoplastic syndromes and oncologic emergencies. 4		
	*Cancer of unknown primary site. 2		
	*Cancer in Aids and other immunodeficiency status 2		
	<b>*Principles of chemotherapy:</b> chemotherapy objectives, side effects and complications of chemotherapy 3		
	<b>*Administrative issues of cancer treatment :</b>		
	-Evolution of roles for oncology nurses 2		
	- Practical issues affecting patient care 2		
	* Psychological aspects of patients with cancer. 2		
*Rehabilitation of cancer patients. 2			
*Design and conduct of clinical trials 2			
<b>*Newer methods of cancer treatment :</b>			
-Role of stem cell in cancer management 2			



-Molecular and genetic approaches	2		
-Hyperthermia	2		
-Chemical modification of radiation and chemotherapy	1		
- Photodynamic therapy	2		
-Particle beam radiation therapy	1		
- Bone marrow transplantation	2		
-Recent innovation	2		
	1		

### 450 hours clinical skills

Clinical skill	Teaching hours	Date	Signature Of trainer
Practical issues in cytotoxic chemotherapy usage.	20		
Prescription and administration of biological treatment in cancer.	10		
Participate and deal with Emergency oncology and Palliative care.	20		
<b>Principles of radiotherapy planning:</b>			
1-Define gross tumor volume (GTV), clinical tumor Volume (CTV), internal target volume (ITV) planning target volume (PTV) and organs at risk , outline them and defines planning organs at risk volume (PRV). Define DVH planning constraints.	20		
2-Accuracy of patient set-up and recommends adjustments.	10		
3-An appropriate treatment schedule according to	15		



stage of disease, performance status of patients and concomitant systemic therapy.			
4-Modify a course of radiotherapy treatment depending on Acute toxicity and unplanned gaps in treatment.	15		
Radiation therapy technique of cancer head and neck: - nasal cavity, -paranasal sinuses, -nasopharynx, -oral cavity, - oropharynx, - larynx, -hypopharynx -salivary glands	4 6 8 8 8 8 6 6		
Radiation therapy technique of cancer lung and mediastinum: -small cell lung cancer. -Non-small cell lung cancer -Thymic tumors -Germ Cell Tumors -Mesenchymal tumors -Neurogenic tumors	5 6 3 3 3 3		
Radiation therapy technique of genitourinary system cancers: -kidney - ureter - bladder -prostate -urethra - penis -testis	5 2 5 6 2 5 5		
Radiation therapy technique of GIT cancers: - esophagus -stomach -pancreas - hepatobiliary	6 6 6 6		





-rectal	5		
-anal region.	5		
Radiation therapy technique of Gynecologic tumors:			
- vulva,	6		
-vagina,	4		
-cervix,	8		
- endometrium,	8		
Radiation therapy technique of breast cancer:			
-Early breast cancer	6		
-Locally advanced breast cancer	6		
Radiation therapy technique of Soft tissue sarcomas	8		
Radiation therapy technique of Bone sarcomas:			
-Osteosarcoma	4		
-Ewing sarcoma	8		
-Chondrosarcoma	6		
Radiation therapy technique of Non melanomatous skin cancer	8		
Melanomas.	8		
Radiation therapy technique of thyroid.	8		
* Radiation therapy technique of Neoplasms of the central nervous system:			
-Low grade gliomas	5		
-High grade gliomas	5		
-Meningiomas	5		
-Ependymomas	5		
-Medulloblastoma	10		
-Pituitary tumors	5		
-Spinal cord tumors	6		
-Orbital, ocular& optic nerve tumors.	6		
Radiation therapy technique of Solid tumors of childhood:			



-Neuroblastoma	4		
-Wilm's tumor	5		
-Retinoblastoma	3		
-Pediatric bone sarcomas	10		
-Osteosarcoma	4		
-Ewing's sarcoma	8		
-Rhabdomyosarcoma	8		
Radiation therapy technique of Cancer of unknown primary site.	10		
Radiation therapy technique of Leukemias, Lymphomas and plasma cell neoplasms.	4 4 4		

<b>Compulsory Course title:</b>	<b>Nuclear Medicine</b>
<b>Course code:</b>	<b>CONM 617 NM</b>
<b>Credit hours:</b>	<b>8 hours</b>
<b>Total teaching hours:</b>	<b>120 hours lectures</b>



semester	Subjects	Lectures in hours	Date	Signature of lecturer
1st	<b>*General basis of nuclear medicine:</b>			
	-protocols for study performance and analysis	1		
	-test evaluation, sensitivity, specificity, predictive value	2		
	-selection and preparation of patients.	1		
	<b>*Laboratory techniques used in nuclear medicine including preparation of standards.</b>	2		
	<b>*application to nuclear medicine data acquisition</b>	2		
	<b>*processing and display.</b>	2		
	<b>*Dose preparation and quality assurance of the dose calibrators.</b>	2		
	<b>*pediatric and special protocols for pediatrics.</b>	2		
	<b>*Radiopharmacology.</b>			
-properties of commonly used diagnostic And therapeutic radionuclide.	2			
-production of radionuclide.	2			
-drug effect and complication.	2			
<b>*Health physics-waste disposal and decontamination.</b>	2			
<b>*correlation with other diagnostic tests.</b>	2			
<b>In vitro diagnostic methods.</b>				
- Isotopic and non-isotopic	2			



	immunoassays methods used in current laboratory practice. - The role of laboratory testing in diagnosis and treatment in up-dated medicine (neonatal testing, tumors markers)	2		
	* Concepts of quality control in nuclear medicine.	2		
	*protection of staff-family.	2		
	* Radiation exposure of unsealed source	2		
	*cyclotron and radionuclide generators	2		
	*principles of localization of radiopharmaceuticals.	2		
	* imaging and counting devices	2		
	*significance of normal and abnormal finding.	2		
	*radiopharmaceuticals and mechanism of action	2		
2 <sup>nd</sup>	* <b>Therapeutic uses of isotopes:</b>			
	-thyroid cancers,	2		
	- thyrotoxicosis,	2		
	-bone metastasis,	2		
	-polycythaemia	2		
-radioimmunotherapy	3			
	* <b>Diagnostic scintigraphic studies of:</b>			
	- thyroid	3		



<b>3rd</b>	-brain,	3		
	-myocardium	3		
	-kidney	3		
	-parathyroid	3		
	spleen	3		
	- pancreas	3		
	-gastric	3		
	-biliary	3		
	-salivary glands	3		
	-endocrinology	3		
<b>4th</b>	-lung	2		
	-bone	2		
	- liver	2		
	-colorectal	3		
	-genitourinary	3		
	-reticuloendothelial systems	2		
	<b>*Detection and measurement of nuclear radiation.</b>	2		
	-nuclear medicine detectors	2		
	-gamma camera, SPECT	2		
	-whole body counter	2		
	-monitoring devices	2		
	-PET	2		
	-scintillation counters	2		
	-dose calibrators	2		
-collimation	2			



Elective Course title:	Intensive chemotherapy & Bone Marrow transplant		
Course code:	CONM617ICBMT		
Credit hours	1.5		hour
Total teaching hours:	22.5 hours		



Subjects	Lectures	Total Teaching Hours	Date	Signature of lecturer
<b>*Intensive chemotherapy</b>				
Rationale	2	2		
Progenitor cells	1	1		
Indications	3	3		
Toxicity	2	2		
<b>*Bone marrow transplant</b>				
Introduction	2	2		
Types of transplantation	2	2		
Modification of stem- cell graft	1.5	1.5		
Collection of the graft	1	1		
Indication for transplantation	2	2		
Phases of transplantation	2	2		
Acute graft-versus-host disease	1	1		
Chronic graft-versus-host disease	1	1		
Management of relapse	2	2		



<b>Elective Course title.</b>	<b>Pediatric oncology</b>
<b>Course code.</b>	<b>CONM617PO</b>
<b>Credit hours</b>	<b>1.5 hours</b>
<b>Total teaching hours.</b>	<b>22.5 hours</b>





Subjects	Lectures	Total Teaching Hours	Date	Signature of Lecturer
*Pediatric oncology				
Leukemia	3	3		
Neuroblastoma	2.5	2.5		
Wilm's tumor	3	3		
Retinoblastoma	3	3		
Rhabdomyosarcoma	3	3		
Hebatoblastoma	3	3		
Histiocytosis	2	2		
Ewing's /PENT	3	3		



Elective Course title.	Brachytherapy	
Course code.	CONM617BTh	
Credit hours	1.5	hour
Total teaching hours.	22.5 hours	



Subjects	Lectures	Total Teaching Hours	Date	Signature of Lecturer
<p>*Brachytherapy.</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Delivery systems</li> <li>• Isotopes for brachytherapy</li> <li>• Clinical use</li> <li>• Dosimetry</li> <li>• The Manchester system for interstitial implants</li> <li>• The Paris system for iridium wire implants and after loading techniques</li> <li>• Dose reporting</li> </ul>	<p>2</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>2.5</p> <p>3</p>	<p>2</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>2.5</p> <p>3</p>		



## **Section II:**

# **Clinical Cases**

**(the total required number of cases is one third of the mentioned number for postgraduate students working outside university hospital)**



<b>Diagnosis of the case</b>	<b>Total No. of patients to follow up closely in the outpatient clinic independently</b>	<b>No. of new outpatient cases whom you share seniors in decision making</b>	<b>No. of cases whom you supervise their chemotherapy sessions</b>	<b>No. of admission cases you master their treatment implementation supervised by your seniors</b>
<b>1-Breast cancer</b>	<b>80</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>2-Brain tumors</b>	<b>50</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>3-Nasopharynx</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>4-Oropharynx</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>5-Hypopharyngeal carcinoma</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>6-Maxillary carcinoma</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
<b>7-Oral cavity &amp;Salivary gland</b>	<b>20</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>8-Larynx</b>	<b>20</b>	<b>15</b>	<b>15</b>	<b>15</b>



<b>9-Esophageal tumors</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>10-Gastric tumors</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>11-Large intestinal carcinomas</b>	<b>40</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>12-Hepatobiliary tumors</b>	<b>60</b>	<b>20</b>	<b>20</b>	<b>20</b>
<b>13-Pancreatic tumors</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>14-Lung tumors</b>	<b>30</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>15-Musculoskeletal tumors</b>	<b>40</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>16-Genitourinary</b>	<b>60</b>	<b>20</b>	<b>20</b>	<b>20</b>
<b>17-NHL</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>25</b>
<b>18-HD</b>	<b>30</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>19-Multiple myeloma</b>	<b>25</b>	<b>8</b>	<b>8</b>	<b>8</b>











**Clinical case log (multiple pages)**

**Cases of diagnosis 1 ...Breast carcinoma.....**

Level of participation	Date	Location	Signature of supervisor












**Diagnosis No 2-----Brain tumors**










**Dianosis No 3-----Nasopharyngeal carcinoma**












Cases of diagnosis 4:...Oropharyngeal carcinomas			









**Diagnosis No 5-----Hypopharyngeal carcinomas**












**Diagnosis 6----Maxillary tumors**

















**Cases of diagnosis 8 ...Laryngeal**

**carcinomas.....**

Level of participation	Date	Location	Signature of supervisor











**Diagnosis N0 9---Esophageal carcinomas**










**Diagnosis No 10---Gastric carcinomas-**










**Diagnosis No 11—Large intestinal tumors**












**Diagnosis No 12-----Hepatobiliary tumors**




















**Diagnosis No 14—Lung tumors**










## **Diagnosis No 15 Musculoskeletal**










### Diagnosis No 16--Genitourinary-












Cases of diagnosis 17 ...NHL.....

Level of participation	Date	Location	Signature of supervisor








**Diagnosis No 18---HD----**







-			



Cases of diagnosis N0 19 :...Multiple myeloma.....












**Cases of diagnosis No .....**

Level of participation	Date	Location	Signature of supervisor









Cases of diagnosis No:.....












Cases of diagnosis No .....

Level of participation	Date	Location	Signature of supervisor

Cases of diagnosis No:.....




Cases of diagnosis No .....

Level of participation	Date	Location	Signature of supervisor

Cases of diagnosis No:.....




Cases of diagnosis No .....

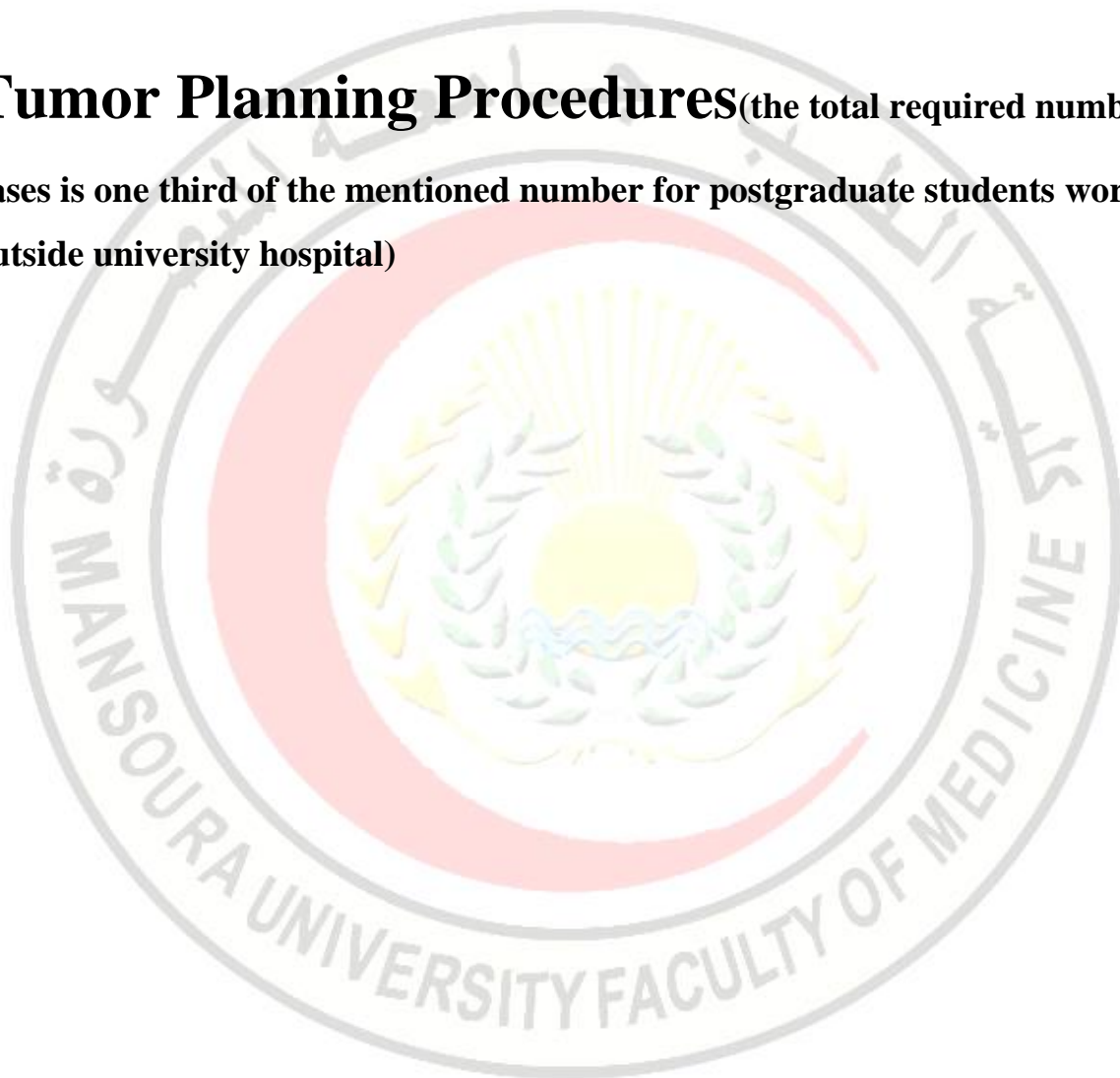
Level of participation	Date	Location	Signature of supervisor

Cases of diagnosis No : .....




## Section III:

**Tumor Planning Procedures**(the total required number of cases is one third of the mentioned number for postgraduate students working outside university hospital)





**List of requirements (may include multiple pages)**

<b>Radiotherapy planning</b>	<b>Total No required</b>	<b>Observer</b>	<b>Assistant</b>	<b>Independent</b>
<b>1-Cancer breast</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>30</b>
<b>2-Brain tumors</b>	<b>30</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>3-Genitourinary tumors</b>	<b>30</b>	<b>7</b>	<b>8</b>	<b>15</b>
<b>4-Esophageal tumors</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>4</b>
<b>5-Gastric tumors</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>4</b>
<b>6-Large intestinal tumors</b>	<b>20</b>	<b>4</b>	<b>7</b>	<b>9</b>
<b>7-Pancreatic tumors</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>4</b>
<b>8-Nasopharyngeal tumors</b>	<b>15</b>	<b>2</b>	<b>3</b>	<b>10</b>
<b>9-Oropharyngeal tumors</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>5</b>
<b>10-Hypopharyngeal tumors</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>5</b>
<b>11-Laryngeal tumors</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>5</b>
<b>12-Oral cavity &amp; Maxillary tumors</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>5</b>
<b>13-Musculoskeletal tumors</b>	<b>25</b>	<b>7</b>	<b>8</b>	<b>10</b>
<b>14--Lymphomas</b>	<b>15</b>	<b>5</b>	<b>2</b>	<b>8</b>



**Planning procedures**

Planned cases of diagnosis 1 Cancer breast.....

Level of participation	Date	Location	Signature of supervisor
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Planned cases of diagnosis 2: Brain tumors

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Planned cases of diagnosis 3: Genitourinary tumours

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Planned cases of diagnosis 4: E\sophageal tumours

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Planned cases of diagnosis 5- Gastric tumours

Level of participation	Date	Location	Signature of supervisor
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Planned cases of diagnosis 6: Large intestinal tumors

Level of participation	Date	Location	Signature of supervisor
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Planned cases of diagnosis 7 Pancreatic tumors.....

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Planned cases of diagnosis 8: Nasopharyngeal tumors.....

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Planned cases of diagnosis 9 Oropharyngeal tumors.....

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Planned cases of diagnosis 10:...Hypopharyngeal tumors.....			
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Planned cases of diagnosis 11 - Laryngeal tumor.....

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Planned cases of diagnosis 12:...Oral cavity tumors...&Salivary .....tumors

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Planned cases of diagnosis 13 Musculoskeletal tumors.....

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Planned cases of diagnosis 14:...Lymphomas.....

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# **Section IV:**

# **Seminars**







## **Section V:**

# **Clinical rotation**



## Clinical Rotation

Rotation	Date		Department/ Hospital	Trainee's signature	Trainer's signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology outpatient</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



## Clinical Rotation

Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					





Clinical Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



## Clinical Rotation

Rotation	Date		Department/ hospital	Trainee's signature	Trainer's signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					





Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					




Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



Rotation	Date		Department/ hospital	Trainee`s signature	Trainer`s signature
	From	To			
<b>Chemotherapy unit</b>					
<b>Nuclear medicine unit</b>					
<b>Patient admission unit</b>					
<b>Machine supervision</b>					
<b>Clinical oncology Outpatient clinic</b>					
<b>Internal medicine</b>					
<b>Surgery</b>					
<b>Radio diagnosis</b>					



# **Section VI:**

## **Scientific activities**

### **(Conferences/workshops)**



### List of requirements

<b>Conferences</b>			
<b>Total number required</b>	<b>Attendance</b>	<b>Organization</b>	<b>Presentation</b>
<b>4</b>	<b>3</b>		<b>1</b>
<b>Workshops</b>			
<b>Total number required</b>	<b>Attendance</b>	<b>Organization</b>	<b>Presentation</b>
<b>2</b>	<b>2</b>		



<b>Activity</b> <b>(Conference/Workshop)</b>	<b>Role</b>	<b>Date</b>	<b>Supervisor's signature</b>






**Role:**

- Attendant
- Organizer
- Presenter
-