

Third Semester Courses

Master

Clinical Oncology (II)

Title of lecture	Date	lecturer's signature
<p>* <u>Management of the head and neck cancers:</u></p> <ul style="list-style-type: none">- Nasal cavity and paranasal sinuses- Nasopharynx-Oral cavity&tongue-Oropharynx- Hypopharynx-Larynx-Salivary glands. <p>* Management of thyroid and parathyroid</p>		<p>د/ منال مصطفى</p> <p>د/ هند حمدى</p> <p>د/ محمد فاروق</p> <p>د/ منال مصطفى</p> <p>د/ شكرى تمرز</p> <p>أ.د/ محمد العوضى</p> <p>د/ منال مصطفى</p> <p>د/ نورا احمد</p>
<p>* <u>Management of the genitourinary system cancers</u></p> <ul style="list-style-type: none">- Kidney-Bladder, ureters, -urethra- Prostate-Testis and Penis		<p>أ.د/ رشا عبداللطيف</p> <p>د/ محمد سعد</p> <p>أ.د/ احمد الشحات</p> <p>د/ نورا احمد</p>
<p>* <u>Management of the central nervous system tumors</u></p> <ul style="list-style-type: none">- Gliomas.-Meningiomas.-Ependymoma and Medulloblastoma.-Pituitary.-Spinal cord		<p>أ.د/ محمد داوود</p> <p>أ.د/ ايمن عوض</p> <p>د/ شيماء المتولى</p> <p>أ.د/ داليا حاتم</p> <p>د/ نورا احمد</p>

Radiotherapy Technology III

Title of lecture	Date	Lecturer's signature
<p><u>Head and neck cancer:</u></p> <ul style="list-style-type: none"> - Nasopharynx -Oral cavity&tongue -Oropharynx& hypopharynx -Larynx -Salivary glands. -Orbit & paranasal sinuses 		د/ هند حمدى د/ محمد فاروق د/ شكرى تمرز أ.د/ محمد العوضى د/ منال مصطفى د/ نورا احمد
Thyroid		د/ نورا احمد
<p><u>Genitourinary system:</u></p> <ul style="list-style-type: none"> -Bladder, ureters, -urethra - Prostate -Testis and Penis 		د/ محمد سعد الدين أ.د/احمد الشحات د/ نورا احمد
<p><u>CNS</u></p> <ul style="list-style-type: none"> -Gliomas. -Meningiomas. -Ependymoma and Medulloblastoma. -Pituitary. -Spinal cord 		أ.د/محمد داوود أ.د/ايمان عوض د/ شيماء المتولى أ.د/ داليا حاتم د/ نورا احمد
<p><u>Pediatric tumors</u></p> <ul style="list-style-type: none"> -CNS -Wilms -Neuroblastoma -Rhabdomyosarcomas 		د/ محمد سعد الدين د/ هند حمدى د/ شيماء المتولى د/ منال مصطفى

Nuclear Medicine (Part 1)

Title of lecture	Date	Lecturer's signature
*General basics of nuclear medicine.		د محمد فاروق
*Laboratory techniques used in nuclear medicine.		د/ نورا احمد
*Dose preparation and quality assurance of the dose calibrators.		أ.د/ رشا عبداللطيف
*Radiopharmacology.		د/ شكرى تمرز
* <u>Instrumentation:</u> -Patient Preparation. -Complications and precautions of procedures		د/ هند حمدى د/ محمد سعد الدين
* Concepts of quality control in nuclear medicine.		د/ منال مصطفى
* <u>Detection and measurement of nuclear radiation.</u> -Non imaging detectors * <u>Nuclear imaging:</u> . Gamma camera . SPECT		د/ شيماء المتولى أ.د/ منى فودة أ.د/ داليا حاتم
*PET; principals of PET.		أ.د/ محمد داوود

Radiobiology & Radiation protection

Title of lecture	Date	Lecturer's signature
Tumor radiobiology, radio-sensitivity, radio-resistance and effects of radiation.		د/ محمد سعد الدين
Cell damage and cell repair after radiation.		د/ هند حمدى
Cell survival curve and factors affecting it.		أ.د/ محمد داوود
Radiation dose, dose rate and dose fractionation.		أ.د/ محمد العوضى
Oxygen effect, reoxygenation and therapeutic approaches to tumor hypoxia.		أ.د/ رشا عبداللطيف
Linear energy transfer (LET) & Relative biologic effectiveness (RBE).		أ.د/ احمد الشحات
Radiosensitizers and radioprotectors (radiation modifiers).		أ.د/ ايمن عوض
<u>Effect of radiation on different tissues and organs (acute and late):</u> <ul style="list-style-type: none"> ▪ Skin, Skeletal system, Eye and Optic tract ▪ Lung and Cardiac system ▪ Digestive system and Liver ▪ Testis, ovaries , bladder and Kidneys ▪ Central nervous system & Hemopoietic lymphoid system 		د/ شكرى تميز د/ محمد فاروق د/ شيماء المتولى د/ نورا احمد د/ منال مصطفى
*Acute and late effects of whole-body irradiation.		أ.د/ داليا حاتم

Radiological Anatomy

Title of lecture	Date	Lecturer's signature
Basic CT Principles and CT Interpretation		
MRI Principles and Equipment		
CT Anatomy for Radiotherapy planning 1. Pelvis: male and female 2. Abdomen → 3. Thorax → 4. Head and neck 5. Brain 6. Musculoskeletal →		د/ محمد فاروق د/ محمد سعد الدين د/ شكري تمرز

M . D

Clinical Oncology Advanced part II

Title of lecture	Date	Lecturer's signature
<p><u>* Recent advances in management of the head and neck cancers:</u></p> <ul style="list-style-type: none">- Nasal cavity and paranasal sinuses- Nasopharynx-Oral cavity&tongue-Oropharynx-Larynx-Hypopharynx-Salivary glands. <p>* Recent advances in management of thyroid and parathyroid</p>		<p>د/ منال مصطفى</p> <p>أ.د/ محمد داوود</p> <p>د/ محمد فاروق</p> <p>د/ محمد سعد الدين</p> <p>أ.د/ محمد العوضى</p> <p>د/ شكري حسن</p> <p>د/ شكري حسن</p> <p>د/ نورا احمد</p>
<p><u>* Recent advances in management of the genitourinary system cancers</u></p> <ul style="list-style-type: none">- Kidney-Bladder, ureters, -urethra- Prostate-Testis and Penis		<p>أ.د/ رشا عبداللطيف</p> <p>د/ هند حمدي</p> <p>أ.د/ احمد الشحات</p> <p>د/ محمد فاروق</p>
<p><u>* Recent advances in management of the central nervous system tumors:</u></p> <ul style="list-style-type: none">-Low grade gliomas.-High grade gliomas.		<p>أ.د/ رشا عبداللطيف</p>

<ul style="list-style-type: none"> -Meningiomas. -Ependymoma and Medulloblastoma. -Pituitary. -Spinal cord. -Orbital, ocular& optic nerve tumors. 		<p>أ.د/ محمد داوود</p> <p>أ.د/ ايمان عوض</p> <p>د/ شيماء المتولى</p> <p>أ.د/ داليا حاتم</p> <p>د/ نورا احمد</p> <p>د/ نورا احمد</p>
<p><u>* Recent advances in management of solid tumors of childhood.</u></p> <ul style="list-style-type: none"> - Pediatric CNS tumors(primary and secondary) -Neuroblastoma -Wilms -Retinoblastoma -Rhabdomyosarcoma -Liver tumors 		<p>د/ محمد سعد الدين</p> <p>د/ شيماء المتولى</p> <p>د/ هند حمدى</p> <p>د/ منال مصطفى</p> <p>د/ منال مصطفى</p> <p>أ.د/ داليا حاتم</p>

Nuclear Medicine Advanced part II

Title of lecture	Date	Lecturer's signature
<p><u>* Detection and measurement of nuclear radiation.</u></p> <p>-Non imaging detectors</p> <p><u>*Nuclear imaging:</u></p> <p>Gamma camera, SPECT</p>		<p>د/ شيماء المتولى</p> <p>د/ منال مصطفى</p> <p>أ.د/ داليا حاتم</p>
<p><u>In vitro diagnostic methods.</u></p> <p>-Isotopic and non-isotopic immunoassays methods used in current laboratory practice.</p> <p>-The role of laboratory testing in diagnosis and treatment in up-dated medicine (neonatal testing, tumors markers)</p>		<p>د/ منال مصطفى</p> <p>د/ نورا احمد</p>
<p><u>*Recent Advances in PET;</u></p> <p>-Principals of PET.</p> <p>-Application in management of cancer</p> <p>- Precaution before use</p> <p>-Interpretation</p>		<p>أ.د/ محمد داوود</p> <p>د/ شكري تمرار</p> <p>د/ نورا احمد</p> <p>أ.د/ محمد سعد الدين</p>
<p><u>* Recent advances of therapeutic uses of isotopes:</u></p> <p>-Thyroid cancer.</p> <p>-Thyrotoxicosis.</p> <p>-Bone metastasis.</p> <p>-Polycythemia.</p> <p>-Radioimmunotherapy.</p>		<p>أ.د/ منى فودة</p> <p>أ.د/ محمد فاروق</p> <p>أ.د/ منى فودة</p> <p>أ.د/ رشا عبداللطيف</p> <p>د/ هند حمدي</p>