

Tanta University,
Faculty of Medicine,
Diagnostic Radiology & Imaging department

1st Paper
MSc Diagnostic Radiology, 2nd part

Time allowed: 3 hours.

Date : 17 / 4 / 2010.

All questions are to be attempted

جميع الأسئلة إجبارية

- 1- Discuss radionuclide imaging of the lung
Indications , value & accuracy .
- 2- Imaging of posterior cranial fossa masses in childhood.
- 3- Imaging of traumatic & non traumatic ocular emergencies .

Best wishes,



Tanta University,
Faculty of Medicine,
Diagnostic Radiology & Imaging department

1st Paper
MSc Diagnostic Radiology, 2nd part

Time allowed: 3 hours.

Date: 22/ 4 /2012

All questions are to be attempted

جميع الأسئلة إجبارية

- 1- Discuss imaging of a case with cerebral infarction.
- 2- Discuss the radiological anatomy of the lungs & discuss the differential imaging features for diagnosis of a pulmonary nodule.
- 3- Imaging in the diagnosis of intestinal bleeding.

Best wishes,



Tanta University

Faculty of Medicine

Diagnostic radiology and imaging Department

MSc Diagnostic Radiology 1st part

Radiological technique and radiological anatomy

date 24 -4-2012

time allowed 3 hours

All questions are to be answered

1) Discuss the radiological investigation of a patient presented with hematuria.

2) Discuss the radiological investigation of a case of neonatal intestinal obstruction

3) Give an account about

a- Positions of examination of the patella

b- Positions of examination of sacro-iliac joint

c- Ductography

d- Segmental anatomy of the liver

good luck

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Tanta University
Faculty of Medicine
Msc.: Diagnostic Radiology, 1st Part
April 2012

Radiation Physics
Time 3H
Examiner: Dr. Galal Zedan Farag
Faculty of Science /Physics Department

Answer the following Questions:

1- Explain:

- (a) Activity (b) Dose (c) Exposure
 (d) Dose equivalent (e) Effective dose (f) Quality factor.

2- Discuss:

- (a) The Piezoelectricity phenomena.
 (b) The physical basic principles of CT.
 (c) The Dual Modality imaging.

3- What is the meaning of "Radioactive decay", and its application? in PET/CT?

4- Discuss the advantages of:

- (a) Multi-Raw detector CT (b) Multi-planar reforming (MPR)
 (c) CT-Angiography (CTA) (d) Dual Modality imaging.

والله ولي التوفيق

Tanta University.
Faculty Of Medicine.
Diagnostic Radiology & Medical
Imaging Department.

Ist part MSc of Radiodiagnosis.

Time allowed: 3 hours.

The date: 06 /05/2012

Answer all the following questions:

~~1)- Discuss the role of radioisotopes in evaluation of patients with renal transplantation.~~

DMSP
DTPA
MAG

~~2)- Give an account on PET-CT (instrumentation, preparation of the patients, radioisotopes used, challenges, limitations and its utilization in evaluation of patients with gastro-intestinal lesions).~~

~~3)- Mention the role of radioisotopes in diagnosis of patients with acute chest pain of pulmonary origin.~~

Lung

MAR
DTPA
xen
Kij

~~4)- Give a short account on the followings:~~

~~a)- Effect of Radiation on the eye.~~

~~b)- Effect of Radiation on the haemopoietic tissue.~~

Good Luck