

National Board of Examinations

Question Paper Name :	DNB Nuclear Medicine Paper3
Subject Name :	DNB Nuclear Medicine Paper3
Creation Date :	2023-04-26 22:40:23
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Nuclear Medicine Paper3

Group Number :	1
Group Id :	327187805
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Nuclear Medicine Paper3

Section Id :	327187808
Section Number :	1
Section type :	Offline

Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	327187812
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 3271877132 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

1. What are the various causes of undiagnosed fever. Discuss the role of PET in the evaluation of vasculitis. [4+6]

Question Number : 2 Question Id : 3271877133 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

In the era of ultrafast CECT for the evaluation of pulmonary thromboembolism, what is the critical role of V/Q scan? Please discuss the incremental value of V/Q scan - whether planar or SPECT/CT. [7+3]

Question Number : 3 Question Id : 3271877134 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Preparations and precautions required for the high-dose radio-iodine therapy of a patient with differentiated thyroid cancer. [5]

b) Major changes in 8th edition from 7th edition of AJCC TNM classification for differentiated thyroid cancer. [5]

Question Number : 4 Question Id : 3271877135 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Role of PET/CT imaging in evaluation of locally advanced breast cancer. [5]

b) Define thyroid storm and enumerate its clinical management. [2+3]

Question Number : 5 Question Id : 3271877136 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Physical cardiac stress in myocardial perfusion imaging. [5]

b) Diamox SPECT. [5]

Question Number : 6 Question Id : 3271877137 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Role of nuclear medicine imaging in VUR. Mention the advantages over other conventional imaging modalities. [5]

b) Study of gastric emptying by radionuclide methods. [5]

Question Number : 7 Question Id : 3271877138 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Plasma sample method for glomerular filtration rate (GFR). [5]

b) Peritoneal scintigraphy. [5]

Question Number : 8 Question Id : 3271877139 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Role of nuclear medicine in orthopaedic implant related complications evaluation. How does it score over other imaging modalities? [5]

b) Role of nuclear medicine in Parkinson Plus Syndromes. [5]

Question Number : 9 Question Id : 3271877140 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Describe conventional spin echo and gradient echo techniques in MRI. [5]

b) Contrast induced nephropathy (CIN). [5]

Question Number : 10 Question Id : 3271877141 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) PET/CT in the response assessment following immunotherapy - current status. [5]

b) Nephroprotection in peptide receptor radionuclide therapy (PRRT). [5]