

National Board of Examinations

Question Paper Name :	DNB Nuclear Medicine Paper4
Subject Name :	DNB Nuclear Medicine Paper4
Creation Date :	2021-08-27 20:12:38
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DNB Nuclear Medicine Paper4

Group Number :	1
Group Id :	327187272
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

DNB Nuclear Medicine Paper4

Section Id :	327187275
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory

Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	327187279
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271871240 Question Type : SUBJECTIVE

Correct Marks : 10

- a) VISION Trial. [5]
- b) COSMIC-311 Trial. [5]

Question Number : 2 Question Id : 3271871241 Question Type : SUBJECTIVE

Correct Marks : 10

Status of current generation of PET/MRI hybrid scanners- modifications done and to be done in future. [10]

Question Number : 3 Question Id : 3271871242 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Lessons learnt from Fukushima Nuclear Accident. [5]
- b) Cyclotron-produced Technetium-99m - hype or hope in the era of frequent reactor short-downs. [5]

Question Number : 4 Question Id : 3271871243 Question Type : SUBJECTIVE

Correct Marks : 10

Impact of intraoperative gamma probe in clinical practice. [10]

Question Number : 5 Question Id : 3271871244 Question Type : SUBJECTIVE

Correct Marks : 10

- a) PET in movement disorders. [5]
- b) Current use of alpha decaying radionuclides in therapy. [5]

Question Number : 6 Question Id : 3271871245 Question Type : SUBJECTIVE

Correct Marks : 10

TKI in thyroid malignancies. [10]

Question Number : 7 Question Id : 3271871246 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Discuss the staging of adenocarcinoma of breast - what is the role of 18-FDG PET scan as per NCCN Guidelines. [5]
- b) Role of nuclear imaging in the management of triple negative breast cancer. [5]

Question Number : 8 Question Id : 3271871247 Question Type : SUBJECTIVE

Correct Marks : 10

Describe the advantage/disadvantage of time-of-flight acquisition in PET imaging - more hype or real hope in Indian Context. [10]

Question Number : 9 Question Id : 3271871248 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Radio-receptor Imaging - strength and pitfalls. [5]
- b) Digital PET/CT Scanners. [5]

Question Number : 10 Question Id : 3271871249 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Amyloid vs. Tau Imaging. [5]
- b) Discuss different types of cardiomyopathies. Describe Myocardial Perfusion SPECT in ischemic cardiomyopathy. [5]