

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination - 22-Aug-2024

[Time: 3 Hours]**[Max. Marks: 100]****NON-INVASIVE CARDIOVASCULAR IMAGING - PAPER – I****QP Code: 4324**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer All The Questions**10 X 10 = 100 Marks**

1. An obese 57 year old man with arrhythmia's is referred to you for a CTCA. Describe the various types of CTCA acquisition modes possible, your modifications of the protocol and the advantages and disadvantages of each type.
2. Describe the new international consensus criteria for ARVC. Discuss the differences between the IC criteria and the earlier task force criteria.
3. 67 year old female patient with recent history of DVT presents to you with acute shortness of breath. Echo shows RV strain. Discuss role of imaging in this patient.
4. "Image Gently" for radiation dose reduction strategies in paediatric cardiac CT imaging.
5. Role of the radiologist in assessment of vulnerable coronary plaque.
6. Role of imaging in infiltrative heart disease.
7. Describe the segmental approach to CHD.
8. A 7 year old child with a history of an unknown surgery for CCTGA has come for imaging assessment. What are the common repairs done for this condition, describe their imaging appearance and the possible complications you would asses for.
9. Coronary venous anatomy and its variants.
10. Role of cardiac CT and cardiac MRI in the new chest pain guidelines.

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