EACVI CCT Certification

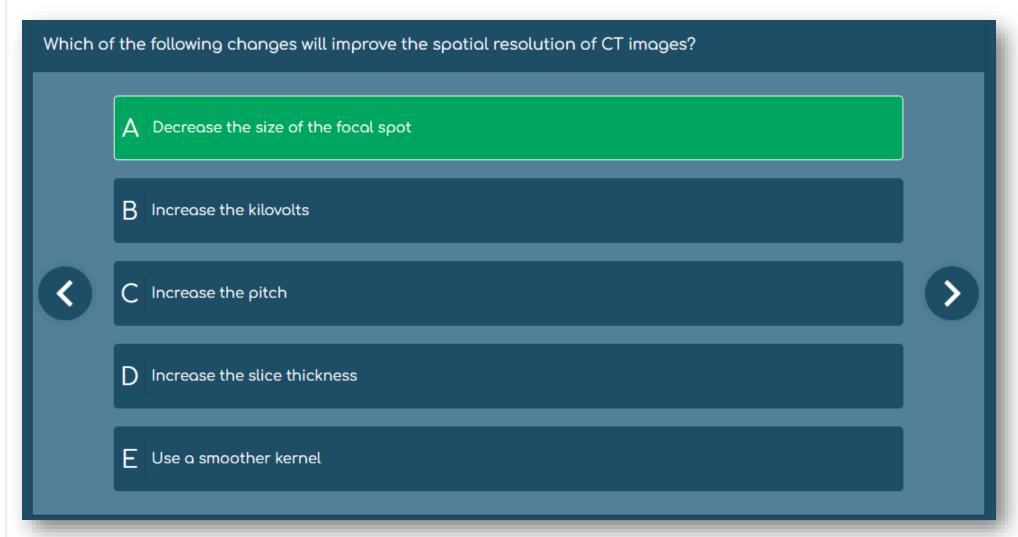
Sample Questions

The following slides contain examples of questions from past EACVI CCT Certification exams

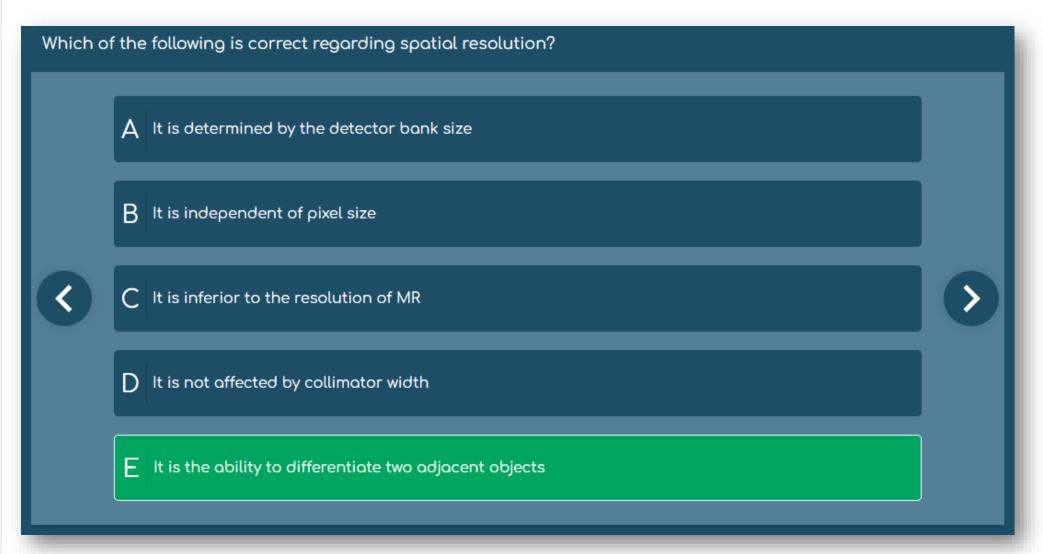


"Pitch" is a parameter used in spiral CT scanning. Which of the following CT spiral pitch values would lead to oversampling? Д 0.2 B 1.0 C 1.1 D 1.2 E 3.2





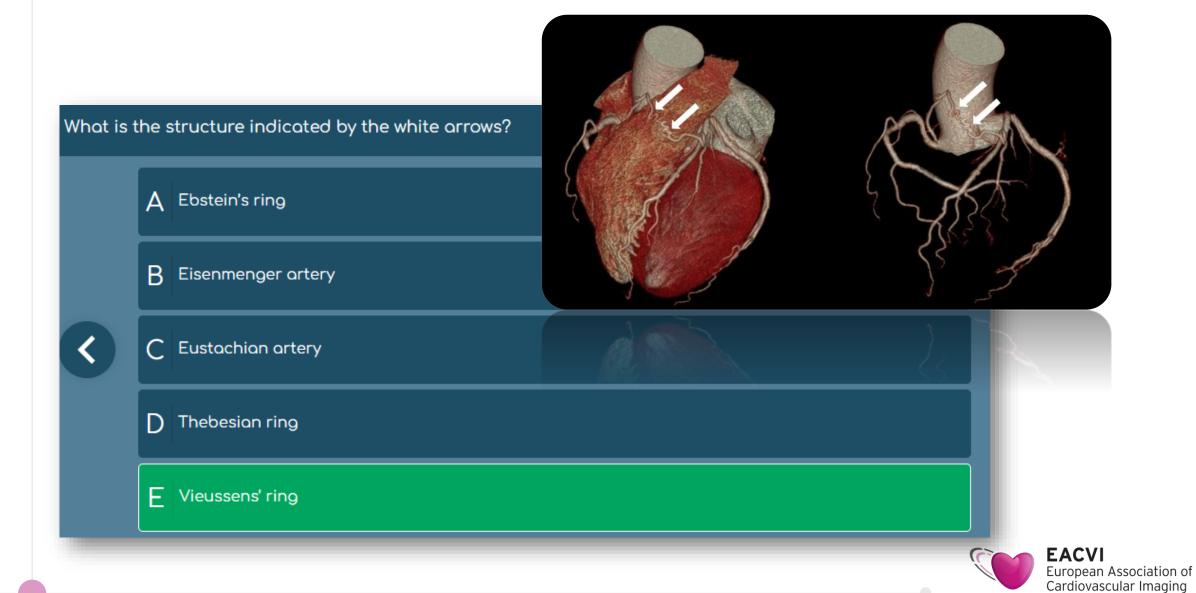






An 80-year-old man with breathlessness undergoes CT to assess suitability for transcutaneous aortic valve replacement. Which of the following should be assessed? A Distance between the annulus and femoral artery **B** Distance between the coronary arteries C Identification of significant stenoses in the iliac vessels D Identification of significant stenoses in the popliteal vessels E Nothing, age precludes this treatment





European Society of Cardiology

What is the most likely diagnosis?

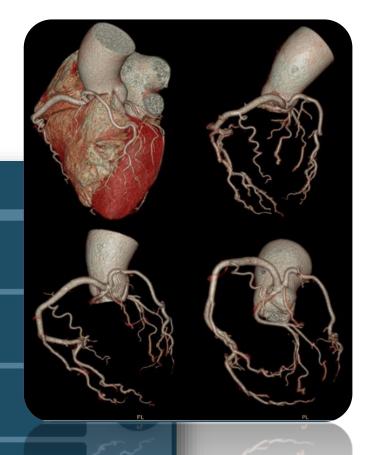
A anomalous origin of left coronary artery from the pulmonary artery

B atresia of the left main coronary artery

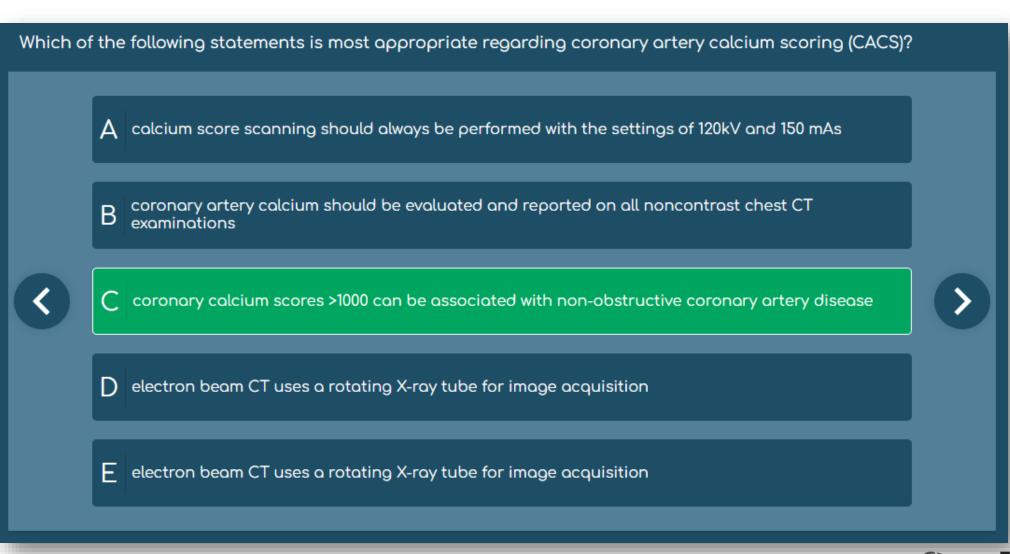
duplication of the left circumflex coronary artery

single coronary artery from the left coronary sinus with retro-aortic course of circumflex coronary artery

E single coronary artery from the right coronary sinus









The best visualization of coronary vessels is usually in late diastole. Which of the following vessels is occasionally better visualized in systole? A Left anterior descending (LAD) B Left circumflex artery (LCX) C Left main artery (LM) None of the vessels Right coronary artery (RCA)



A 29-year-old woman with an extracardiac Fontan circulation presents with a venous ulcer on her right leg. She is referred for a cardiac CT scan for further assessment. Which structures should be optimally opacified? A The ascending aorta B The cavopulmonary circulation The modified Blalock-Taussig shunt The pulmonary veins E The right ventricle

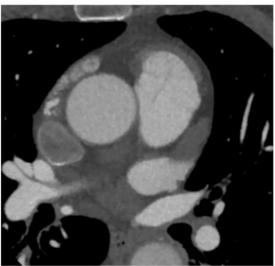


Low-attenuation areas may be seen within the myocardium on non-contrast CT images in patients with chronic coronary artery disease. What do those regions typically represent? Artefacts due to patient motion during the acquisition B Calcium deposition secondary to previous myocarditis Hibernating myocardium nducible myocardial ischaemia due to critical coronary artery stenosis Non-viable myocardial scar



Cardiac CT is superior to echocardiography for evaluation of which conditions in the context of infective endocarditis? A aortic regurgitation severity B left-sided valvular vegetations mitral regurgitation severity perivalvular abscesses and pseudoaneurysms F right-sided valvular vegetations





A 64-year-old woman with a history of atrial fibrillation and coronary artery disease underwent a coronary CT angiogram. An axial tomographic slice is shown.

Which of the following techniques would be the best to further evaluate the abnormality shown?		
	A delayed imaging	
	B free breathing acquisition	
<	C non-contrast CT	>
	D prone patient position	
	E re-injection of contrast medium	



A patient with a history of multiple previous pulmonary emboli presents with recurrent breathlessness and pleuritic chest pain. A CT pulmonary angiogram is performed. Which of the following is most indicative of an acute rather than chronic pulmonary embolus? A Intravascular bands and webs R Intravascular filling defect with peripheral halo of contrast opacification Reduced calibre of the distal vessels Right ventricular dilation Systemic collateralization to the pulmonary vasculature



Compared to other imaging modalities such as MRI and PET, which of the following is unique about cardiac CT? A High exam cost B Limited availability Low spatial resolution D Not dependent on adequate heart rate control E Short acquisition time

