



Trainee & Program Details

Training Program

Nuclear Medicine 2025

Training Program Phase *

Specialty foundation

Date of Observation *

16/03/2025

Learning Capture Details

Type of Learning *

Clinical experiences

Title*

Conducting a myocardial perfusion study

Select the primary learning goal *

10. Cardiovascular nuclear medicine

Learning Capture Details

Description of Activity *

I reviewed a 56-year-old male patient's cardiac history and the indication for referral for a myocardial perfusion study. He presented with ongoing exertional chest pain and dyspnoea on a background of a recent coronary angiogram showing only mild-to-moderate coronary artery disease in the LAD artery. The myocardial perfusion study demonstrated reversible ischaemia in the mid-to-distal LAD territory, providing additional insight into the patient's ongoing symptoms and informing management planning.

What did you learn? *

I learned that myocardial perfusion imaging plays a critical role in assessing patients who continue to experience chest pain despite a recent coronary angiogram showing only mild-to-moderate coronary artery disease. These studies allow for the evaluation of the severity and extent of inducible myocardial ischaemia, helping cardiologists determine whether to pursue medical therapy or interventional management. Understanding how perfusion studies complement anatomical imaging reinforced the importance of assessing both structure and function when evaluating coronary disease.

How will you apply this learning in the future? *

In future professional settings, I will use this knowledge to identify patients who may benefit from myocardial perfusion studies, particularly those with persistent chest pain despite non-severe angiographic findings. Recognising the value of functional imaging in revealing reversible ischaemia will enable me to contribute more meaningfully to multidisciplinary case discussions and cardiology rounds. I will also ensure that I explain the rationale and clinical benefit of these studies to patients to help improve understanding and adherence to follow-up investigations.

Assessor Feedback (optional)

Feedback From *

Dr Jane Doe

Assessor Role *

Supervisor

Personal Message

Dear Dr Doe, please review my reflection and add any additional comments if required.

Feedback Requested Date

16/04/2025

Feedback *

I agree that while coronary angiography provides valuable anatomical information, it doesn't always reflect the physiological impact on myocardial blood flow, particularly in diffuse or long-segment disease. Myocardial perfusion studies add crucial functional data, often clarifying the relationship between coronary anatomy and a patient's symptoms. This reflection demonstrates an excellent understanding of how to integrate diagnostic imaging findings into clinical reasoning and patient management discussions.