

6 November 2025

Use of Adenosine in Cardiac Stress Testing

This questionnaire is intended to collect information regarding the use of adenosine infusion in cardiac stress testing within NHS hospitals. Please complete based on the last 12 months. Please click on the relevant tick box as required.

General Information

1. NHS Trust / Hospital, name and department:

Belfast Health and Social Care Trust:

Adult Nuclear Cardiology, Royal Victoria Hospital, Belfast
Paediatric Cardiology Service, Royal Belfast Hospital for Sick Children

2. Does your hospital provide cardiac stress testing Yes No

Adult Nuclear Cardiology

Yes

Paediatric Cardiology Service

Yes

3. Does your centre have a protocol for administration of adenosine for cardiac stress testing?

Adult Nuclear Cardiology

Yes, copy of protocol attached as separate document.

Paediatric Cardiology Service, Royal Belfast Hospital for Sick Children

No, Paediatric service do not use Adenosine, or any pharmacological agents, in Paediatric stress testing, this was confirmed with the team including physiology.

4. What final strength is administered to patients for a Cardiac Stress Test?

Adult Nuclear Cardiology - 3mg/ml

5. If both please state the predominantly administered strength

Adult Nuclear Cardiology: N/A

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6. What is the final volume of the container of Adenosine prepared for a Cardiac Stress Test?

Adult Nuclear Cardiology: Variable, weight adjusted volume

7. Do you use a single bag for more than one patient (Please Tick)

Adult Nuclear Cardiology: No

8. Do you swab giving set port with a sterile swab prior to administration?

Adult Nuclear Cardiology: No

Risk Assessment for IV preparation

9. According to the IV preparation risk assessment what risk factors were identified in preparation of the dose (tick all relevant areas below).

Adult Nuclear Cardiology response:

- Multiple step preparation
- Glass contamination
- Microbial contamination

X Calculation errors (Adult Nuclear Cardiology)

- Picking errors
- Mixing errors

X Infusion rate error (Adult Nuclear Cardiology)

- Other (please specify):

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Please return this completed form as a pdf and the relevant protocol (s) to