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Clinical Engineering: What do they do?

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We may take it for granted that our medical test results are right and the complicated equipment used for our treatment will not harm us, but there are people behind that...



Healthcare Science

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Clinical Engineering...




- Repair equipment and regularly maintain it so it does not break while being used.
- Introduce new medical equipment safely, including organising the rollout and training for new devices.
- Work with clinical teams to improve patient care through equipment and pathway optimisation.
- Design equipment that is needed by our Health Board but not available to buy.
- Help clinical teams follow medical device laws.

Healthcare Science



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Clinical Engineers at NHS Lothian manage...

Over 40,000 pieces of equipment including...



Infusion pumps *Blood pressure monitors*
Anaesthetic machines
ECG machines **Defibrillators**



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Electrical Safety Testing

Electrical safety testing is important to keep equipment working safely.

Many medical devices operate beneath our skin (the human body's best barrier against electric shock) or when we're sedated.



So, there are tighter safety limits for medical equipment that need to be checked often to protect vulnerable people from harm.



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"I've never heard of you!"...

You might know us by a few different names:

*Medical Physics, Medical Equipment Management,
Clinical Technologists, Clinical Scientists...*

*In NHS Lothian we work in the
Medical Physics department,
which has lots of different
job roles!*



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Clinical Engineering:
That's what they do!

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