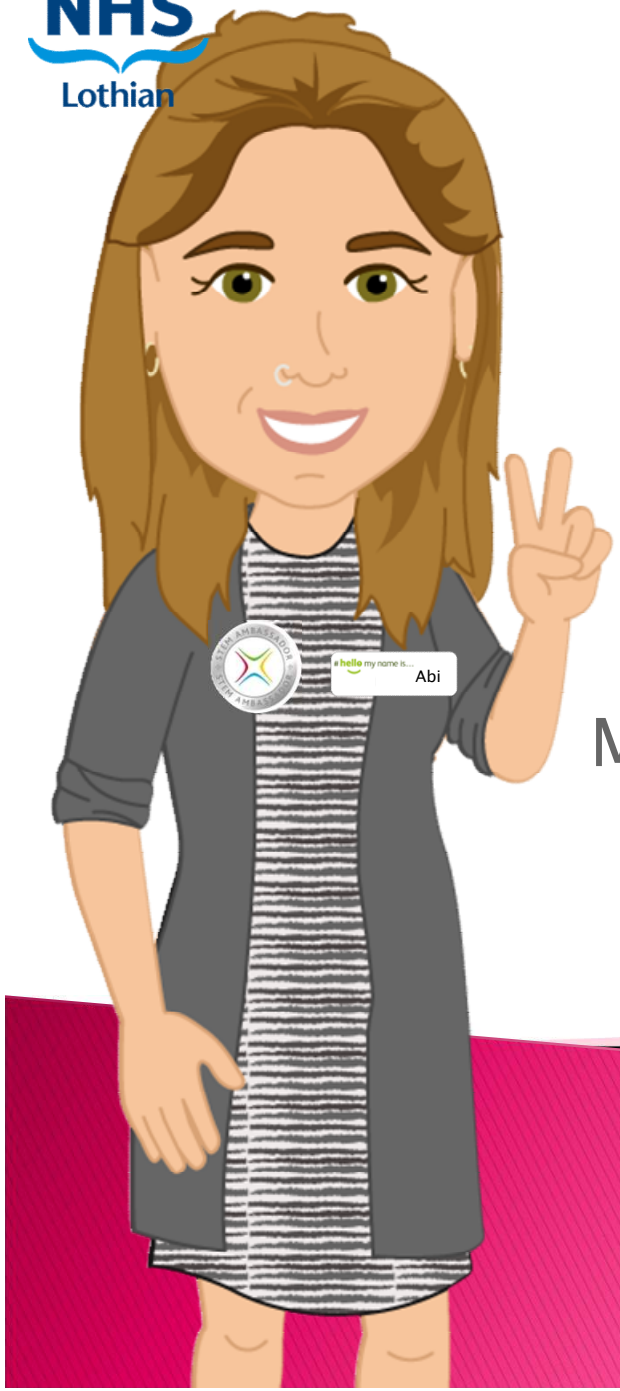

Abi Attwell:

My NHS Lothian Clinical Engineering Foundation Year;

August 2020 – October 2021

What are we going to talk about?

- What was included, and when?
- How did I know what to do?
- Rotation activities
- Portfolio and viva

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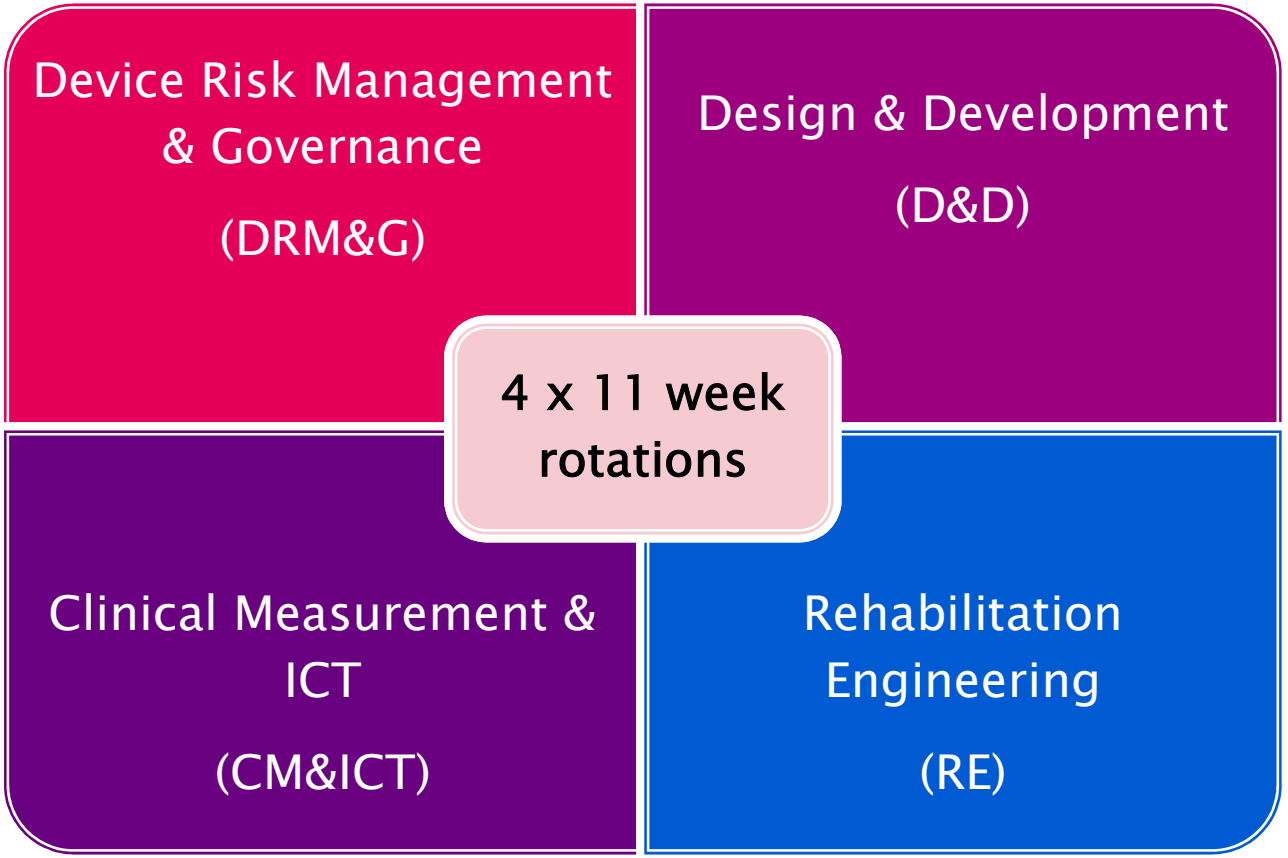
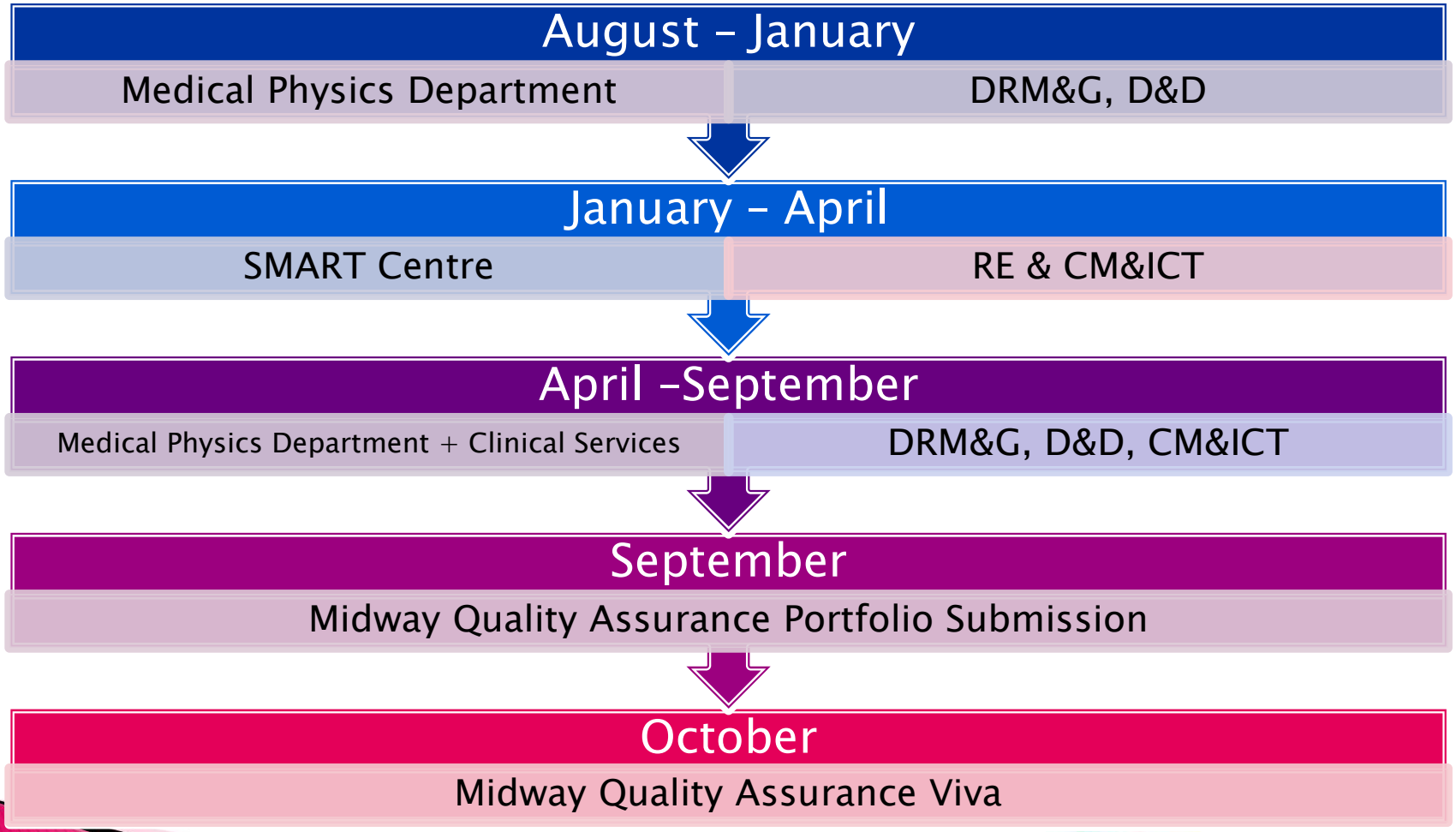
Healthcare Science

What was included?



When did it all happen?



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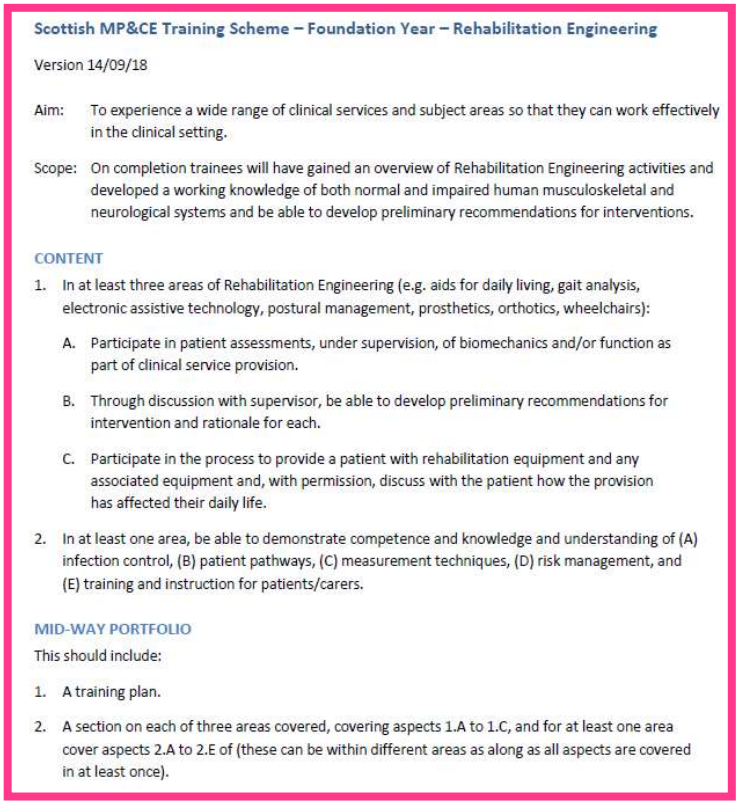
How did I know what to do?

- Minimum deliverable content
- Training Plans
- Supervisor support
- Trainee Network
- Direct Observation of Practical Skills
- Case Based Discussions



Scottish MP&CE Training Scheme – Foundation Year – Rehabilitation Engineering

Version 14/09/18

Aim: To experience a wide range of clinical services and subject areas so that they can work effectively in the clinical setting.

Scope: On completion trainees will have gained an overview of Rehabilitation Engineering activities and developed a working knowledge of both normal and impaired human musculoskeletal and neurological systems and be able to develop preliminary recommendations for interventions.

CONTENT

1. In at least three areas of Rehabilitation Engineering (e.g. aids for daily living, gait analysis, electronic assistive technology, postural management, prosthetics, orthotics, wheelchairs):
   - A. Participate in patient assessments, under supervision, of biomechanics and/or function as part of clinical service provision.
   - B. Through discussion with supervisor, be able to develop preliminary recommendations for intervention and rationale for each.
   - C. Participate in the process to provide a patient with rehabilitation equipment and any associated equipment and, with permission, discuss with the patient how the provision has affected their daily life.
2. In at least one area, be able to demonstrate competence and knowledge and understanding of (A) infection control, (B) patient pathways, (C) measurement techniques, (D) risk management, and (E) training and instruction for patients/carers.

MID-WAY PORTFOLIO

This should include:

1. A training plan.
2. A section on each of three areas covered, covering aspects 1.A to 1.C, and for at least one area cover aspects 2.A to 2.E of (these can be within different areas as along as all aspects are covered in at least once).

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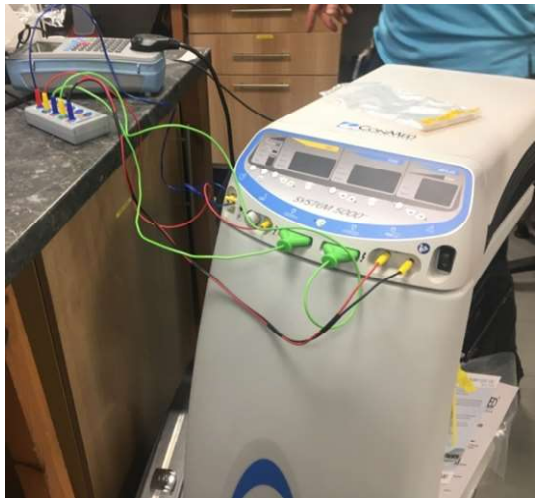
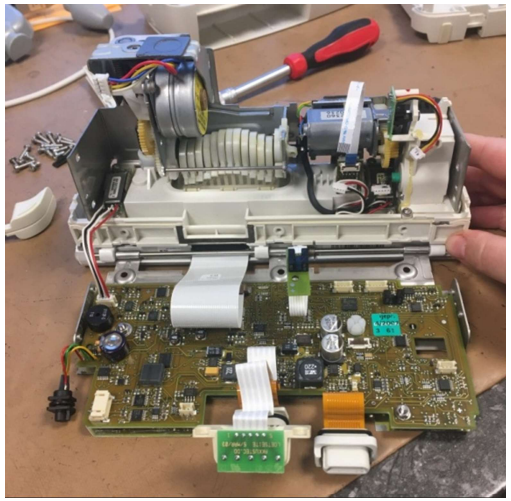
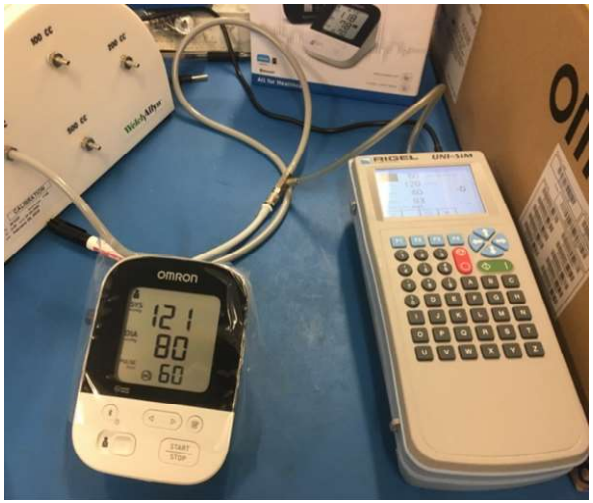
Device Risk Management & Governance

- 4 x 2 week Medial Equipment Management placements
- Medical Devices Policy
- Equipment replacement ECG project







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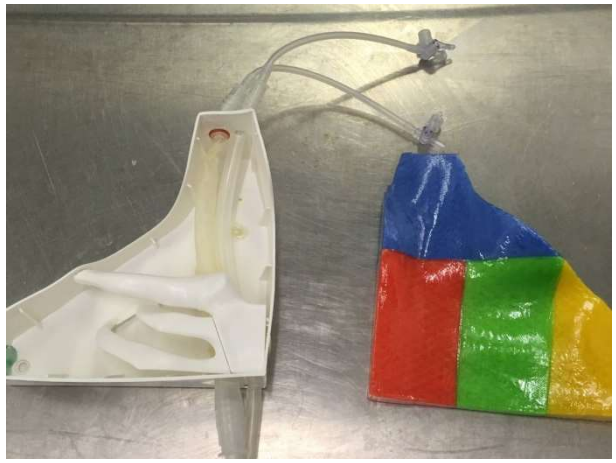
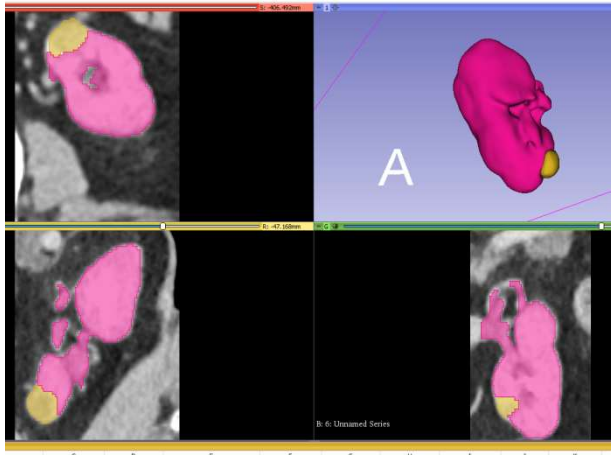
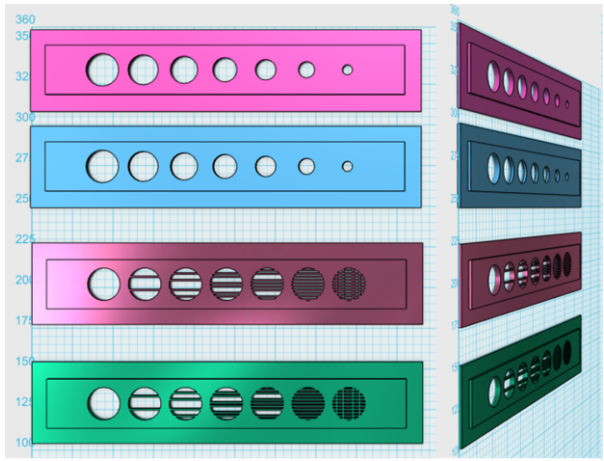
Healthcare Science

Design & Development

- 3 weeks with 3D Printing
- Medical Physics/Dermatology Project
- Evaluation of an Aid for Daily Living







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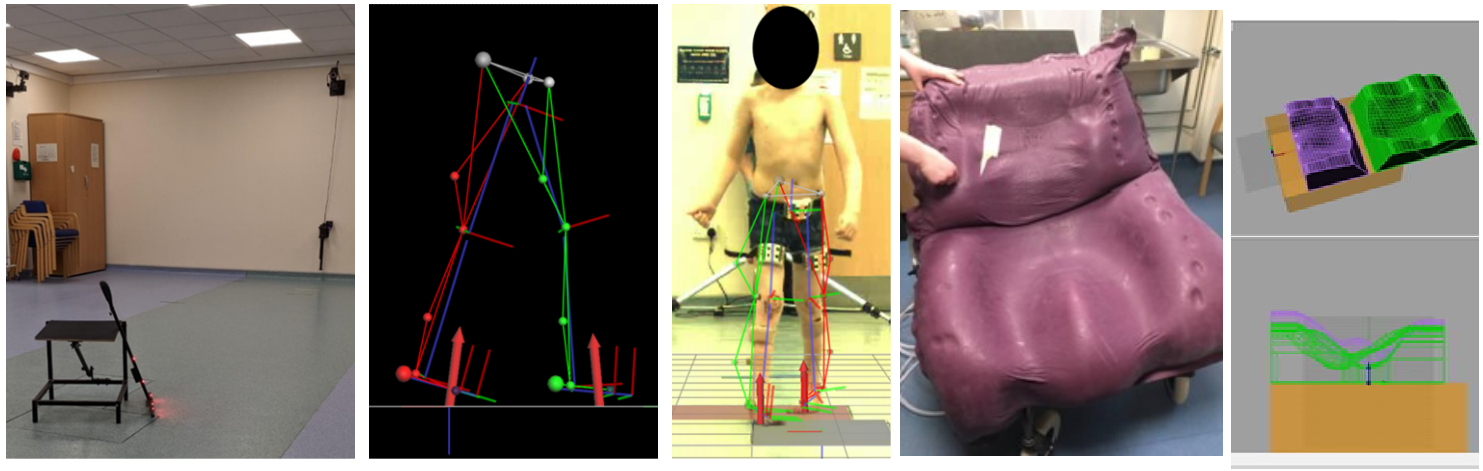
Healthcare Science

Rehabilitation Engineering

- Wheelchair & Seating Service
- Environmental Control Service
- Gait Analysis Laboratory
- Custom Design Service



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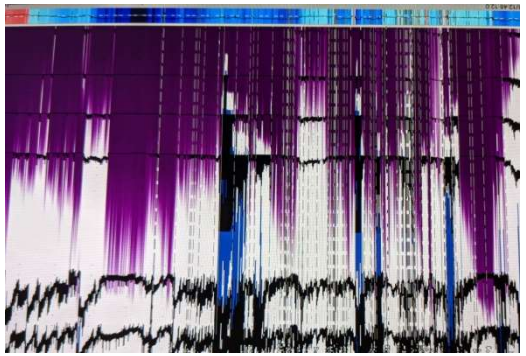
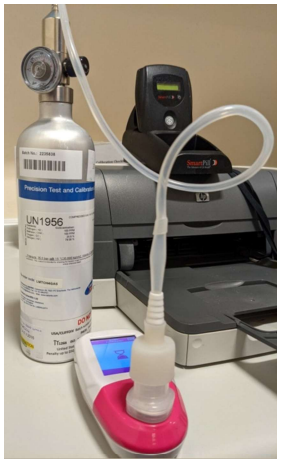
Clinical Measurement & ICT

- UCL ICT 4 day course & Calibration project
- 2 weeks GI Physiology
- 2 week Respiratory Physiology
- 3 days Cardiology
- 4 days Hospital @ Home





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Healthcare Science

Portfolio & Viva

- Wrote tons of notes on each placement
- Compiled notes and formal work from each of the 4 rotations to 15 pages
- Viva

Abigail Attwell

Scottish Clinical Engineering Training Scheme

Foundation Year Midway Quality Assurance Portfolio

September 2020 – September 2021

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Contents

1. Device Risk Management & Governance
2. Rehabilitation Engineering
3. Clinical Measurement & ICT
4. Design and Development
5. Appendices

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On to Specialism Year …