





## Long Tail Commissioning

Procurement

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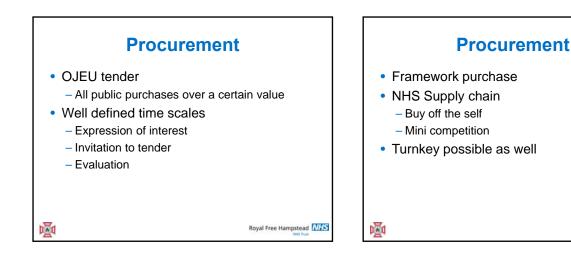
- Planning the environment
- Changing practice
- Keeping Compliant

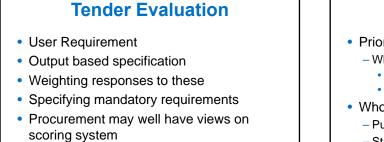
# **Commissioning team**

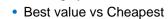
- Clinicians-Physicians, Radiologists
  -?referrer
- Technologist
  NM Tech +/- Radiographer
- Physicists
- MPE NM + DR, RPA
- Hospital Procurement
- Projects department

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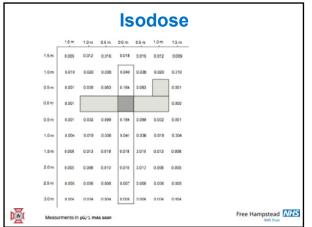


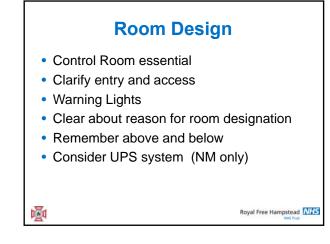
- Prior Risk assessment
  - What are the risks
    - CT
    - NM patients
- Who we protecting
  - Public
  - Staff

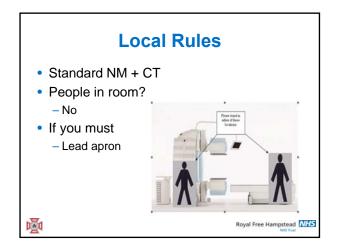
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- · What about adjacent radiation workers?
- Dose Constraints

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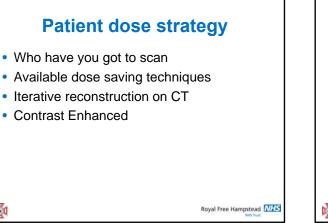




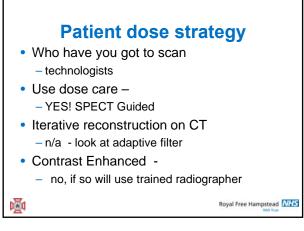
## Patient dose strategy

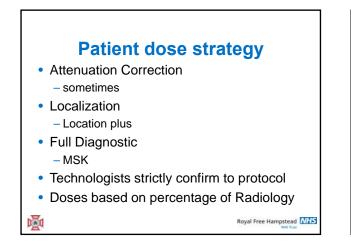
- Attenuation Correction
- Localization
- Full Diagnostic
- Contrast Enhanced
- Is localization just a point in 3D space?

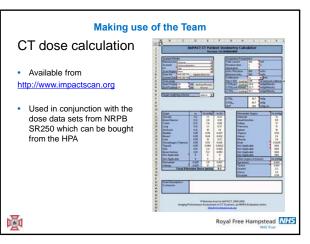
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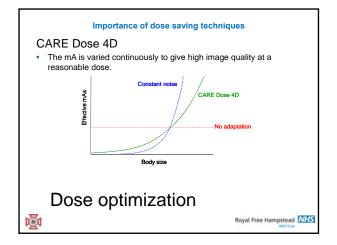


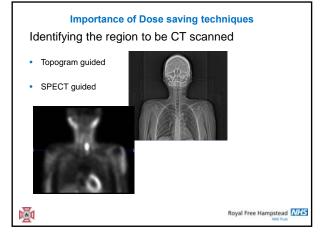
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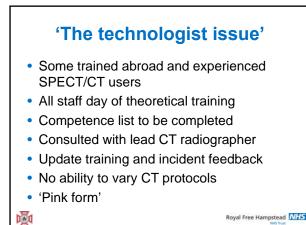


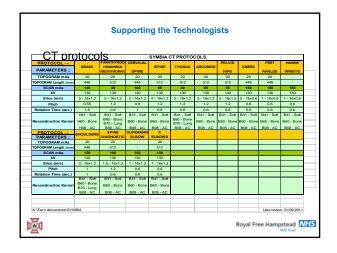












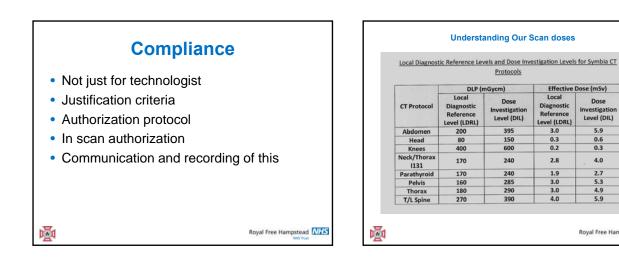
Dose Investigation Level (DIL)

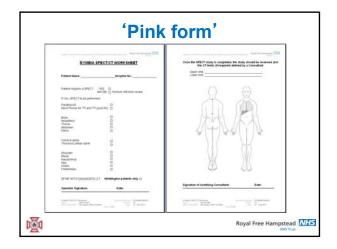
5.9 0.6 0.3

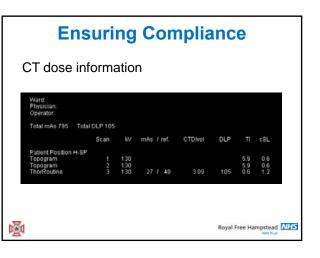
4.0

2.7 5.3

4.9 5.9







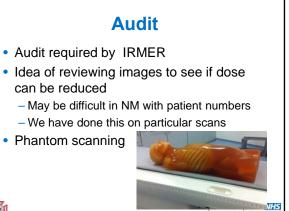


#### **Dose recording**

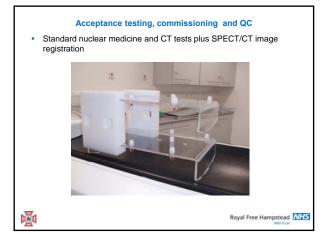
- Required by IRMER
- Allows audit
- Diagnostic Reference Levels (DRL)
- Diagnostic Incident level (DIL)

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#### **Miscellaneous**

- · Handover forms
- · Particular important on CT
  - How do you check all protocols not changed?Remote login?
- Inform HSE that you are going to have a SPECT/CT
- Policy on Unexpected findings

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## Summary

- All key regulations involved
- Technology chosen will effect how you comply
- Dept Workflows impacted
- Iterative process will take time
- Training, audit and review crucial

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