NES AHP CAREER FELLOWSHIP

Jason Stanley
Diagnostic Radiographer
Queen Elizabeth University Hospital

WHAT IS THIS “FELLOWSHIP THING” YOU ARE DOING?

FELLOWSHIP PROJECT PROPOSAL

Aim:

- To propose an educational package on radiation safety for Non-Medical Referrers (NMR) within NHSGGC with potential use across Scotland.

Objectives:

- Scope current knowledge and understanding of NMR's regarding radiation safety
- Establish content required and appropriate platform to host the resource

WHY IS THIS IMPORTANT?

- Government Publications and NHS strategy
  - ‘The modern outpatient: A collaborative approach 2017-2020’
  - Workforce Vision 2013
  - Moving Forward Together
- IR(ME)R legislation

HOW WILL THIS HELP?

- Standardisation of Knowledge
- Prerequisite for referral entitlement
- Re-validation would enable audit process
- Ensure imaging referrals and subsequent imaging is appropriate and justified.
- Role transformation to allow for integrated care

OUR SURVEY SAID?

- 79 responses were gathered from NMR's within NHS GG&C
  - 28 deemed their knowledge to be sufficient or better
  - Over 40% had only used a LearnPro module, which is aimed at Doctors and dentists.
- Overall results showed a lack of knowledge within;
  - Pregnancy risks
  - Sensitive Tissues
  - Radiation dose levels per examination

27.5% believed that MRI utilised ionising radiation

- This survey enabled the project to identify gaps in knowledge, and gather some further educational needs.

- Basic Principles of ionising radiation
  - Stochastic & Deterministic effects
  - Interaction with tissues
    - Susceptible tissues
  - Radiation protection measures
  - Principles of dose reduction (ALARP)
  - Dose levels and equivalents
- Application of IR(ME)R within day to day working
  - Referral Criteria
    - How to cancel a referral
    - iRefer - Guidelines
  - Unintended exposure pathway
  - Scope of entitlement
  - Duty holders
    - Outline 4 main DH's
    - Referrer responsibilities
- Path to gaining entitlement
  - "Appropriately Trained"
  - Responsibilities with entitlement
    - Clinical evaluation
    - Clinical Audit
    - Scope of practice
    - Applied examples i.e. missed pathology, non-compliance with scope etc.
- Dealing with patients of child bearing age
  - Pregnant patients
    - Risk/reward applied examples
    - Radiation effects on foetus
- Common patient pathway – applied examples of where IR(ME)R17 fits in each;
  - Acute patient
    - ANP Pathway
    - ED Physio pathway
  - Outpatient/Clinic patient
    - Podiatrist pathway
    - physio pathway's
      - Back pain specialists
      - Specialist Adv. Pract
      - MSK physio
      - SALT
  - Primary care patient
    - GP Nurse practitioners
    - PC Physio
  - Inpatient
    - Adv. Prac. Nurse pathways
- Audit templates
  - Suggested content of audits
  - Relate to IR(ME)R requirements
- Key Documentation
  - Additional reading resources
    - E-LFH modules

CONCLUSION

- There is lack of a standardised approach when it comes to NMR radiation safety training
  - LearnPro module
  - Ad-hoc in-house training
  - Academic pathways
- NMR's want to have a system in place to ensure they are meeting the needs of IR(ME)R

ANY QUESTIONS?