Making MRI available for patients with cardiac devices

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Patients are surviving heart failure

200,000 people in England have ICD/CRTs

Increasing multiple co-morbidities
75% will need MRI for standard NHS care

Poor service provision across the NHS

>90% new implants are MRI Conditional

50% of centres do not provide MRI services

10-20 fold service under-provision

1/3 of scans are for acute or time-sensitive indications

Sabzevari K et al Europace 2017,19(3):425-431
Our goals

• To develop a dedicated online web platform to a streamlined pathway for MRI scans in cardiac device patients

• To build public and clinician awareness
  • Educational leaflets/videos with and for patients,
  • Resources for clinicians
Streamlining referrals

Current system

Referrer <-> Radiologist <-> Patient <-> Cardiologist

New platform

Referrer <-> Patient <-> Radiologist <-> Cardiologist

Average 2.5 months delays planning scans
Logistic hurdles: patient, referrer, MRI-device teams.

Easy information access and sharing
Patient specific device and MRI protocols

mrimypacemaker.com
UK referrals network
Educational resources
British Heart Foundation
British Society for Heart Failure

Arrhythmia Alliance - Trudie Loban
Patients at Barts Heart Centre

Tackling the health inequality
Royal College Radiology
British Cardiovascular Society
British Heart Rhythm Society
National MRI Cardiac Device Working Group
Barts Health NHS Trust

Thank you

Patient resources
Web platform development
Educational resources

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