Improving reporting of lesion location by unifying the acquisition angles on prostate MR in NHS Tayside

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Background

- 5 MRI scanners, 3 sites – different planning angles
- ‘true axial’, ‘to rectum’, ‘to prostate’
Aim

- To unify the prostate planning protocol in our trust as ‘to prostate’ (95% target)

Method

- **Stage 1**: retrospective review of MRI prostate in a period of 2 months, recording the used acquisition angles
  - Acceptable: ‘true axial’, ‘to rectum’, ‘to prostate’
  - Not acceptable: combinations of the above
- **Intervention**: radiographer workshops in all 3 sites, followed by 4 months trial period
- **Stage 2**: prospective repeat of Stage 1
Results – stage 1

- Stage 1:
  - n=47
  - Acceptably planned n=28 (60%)
  - Of which, planned to prostate n=15 (32%)

Intervention method – The ‘V’
Planned to prostate

Results

- Stage 2:
  - n=35
  - Acceptably planned n=35 (100%)
  - Planned to prostate n=34 (97%)
Conclusion

- Successful unification of acquisition angles in MR prostate (>95%)
- More confident work force
- Consistent reporting by radiologists
- More precise communication to clinicians

Thank you