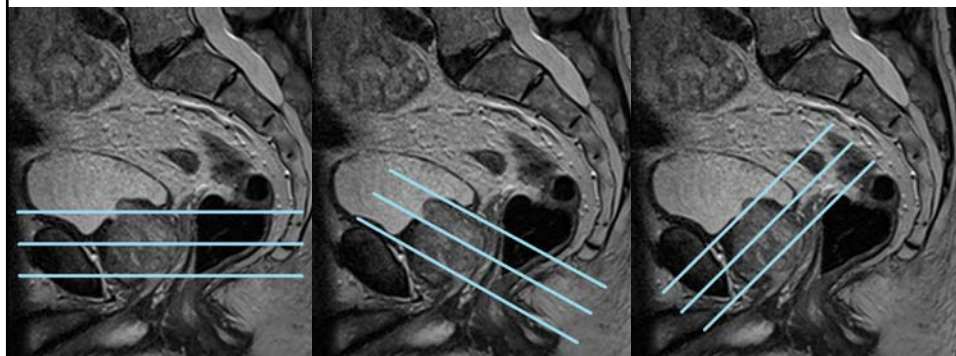


Improving reporting of lesion location by unifying the acquisition angles on prostate MR in NHS Tayside

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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)

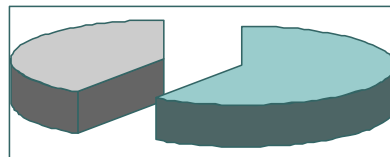


Method

- **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

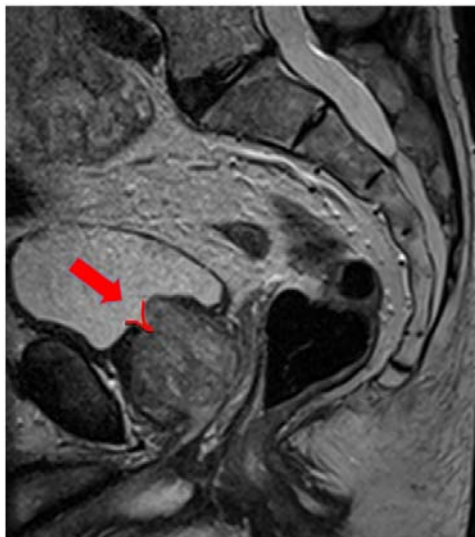
Results – stage 1

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

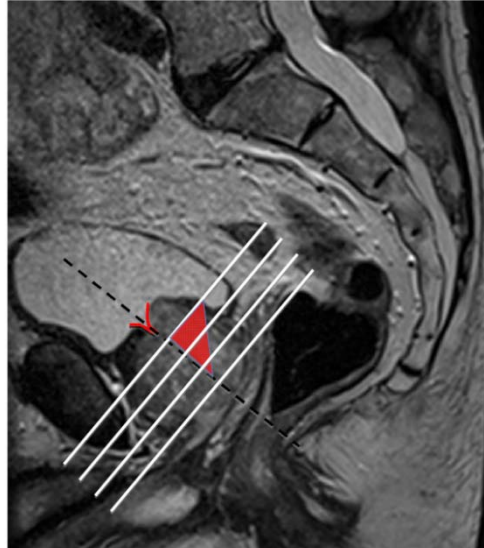


■ Acceptable
■ Not

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