

Changing primary care requesting practices for MRI knee: A quality improvement project

Aim: to develop new referral pathway to reduce the number of inappropriate knee referrals.

Methods: retrospective analysis of referrals over 2 month New referral pathway implemented (worked with clinical commissioning group) Repeat data analysis

Results: The number of patients having an MRI knee without a prior plain radiograph reduced from 55/118 (47%) to 14/69 (20%)



Robinson, E et al , 2023. Radiography

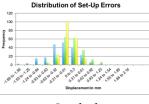
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Retrospective audits for radiotherapy in cervical cancer

Set up Accuracy Patients Pelvic Radiotherapy for Gynaecological Malignancies

coverage and action

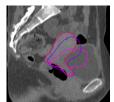
Radiographer decision on CTV Radiographer decision on plan of the day



Standard National guidance document



Standard Doctors decision off line



Standard Doctors decision off line

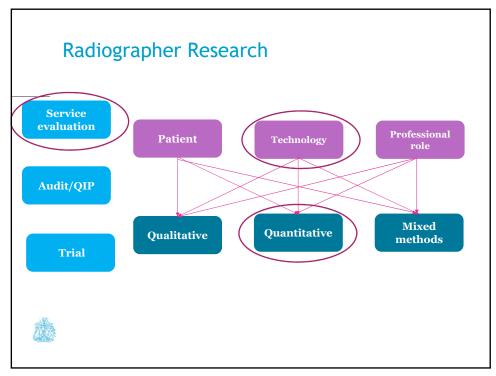


2012

2015

Courtesy of Naomi Hopkins, Sophie Alexander

Alexander, S.E et al, 2019. TIPSRO



The radiation dose, clinical and anatomical implications of erect lumbar spine radiography: A single centre prepost implementation evaluation

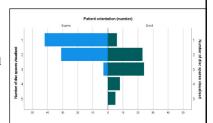
Aim: Describes the single-centre implementation and evaluation of erect PA and lateral projections

Method: observational study pre- and post-implementation of an erect imaging protocol.

Patient BMI, image field size, source image and source object distances & dose area product assessment of radiographic spinal alignment and disc space demonstration.

Effective dose

Result: Confirmed clinical and radiation dose benefits from imaging the lumbar spine in an erect position

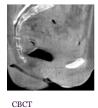


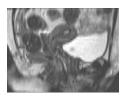
Bradley, C. & Snaith, B, 2023. Radiography

Comparison of radiographer interobserver image registration variability using cone beam CT and MR for cervix radiotherapy

Aim- Assess registration using CT and CBCT to MRI and MRI





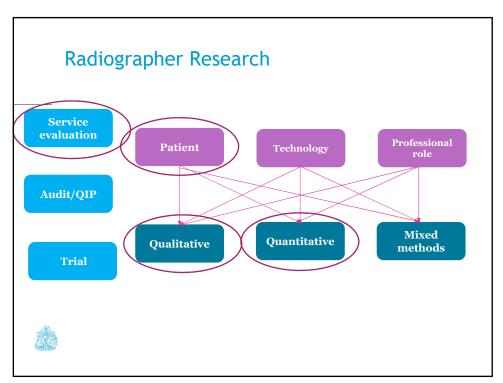


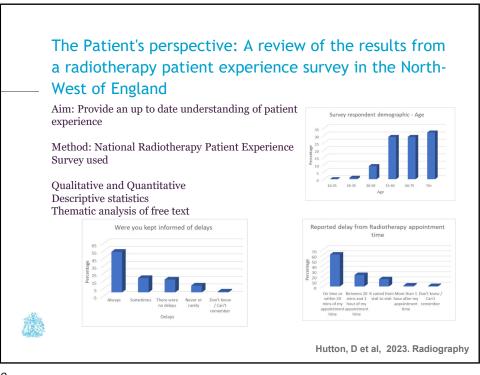
Methods- 30 registrations by 5 radiographers Bland Altman analysis

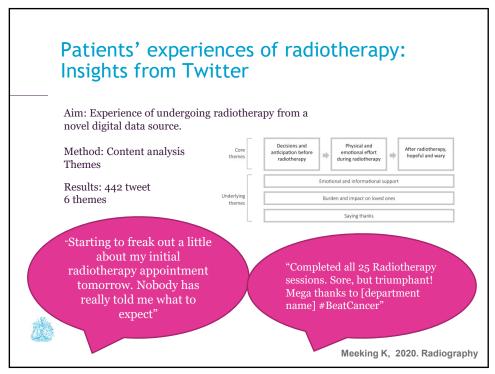
Results- quantified interobserver variation

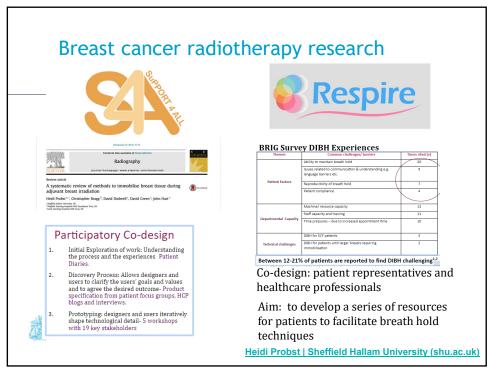


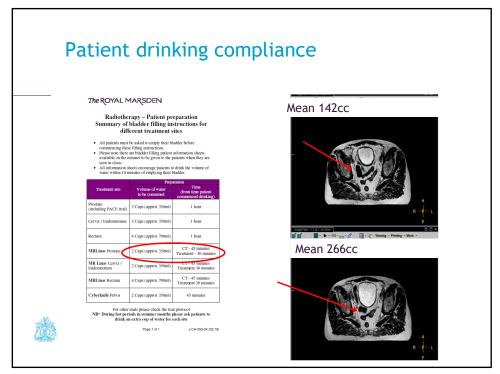
Rodgers, J et al, 2020. BJR

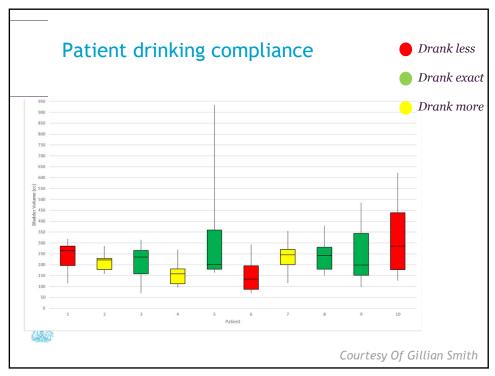


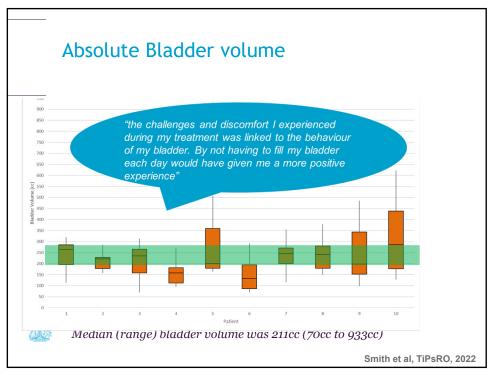


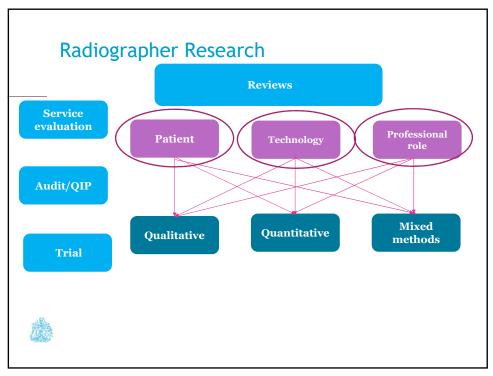


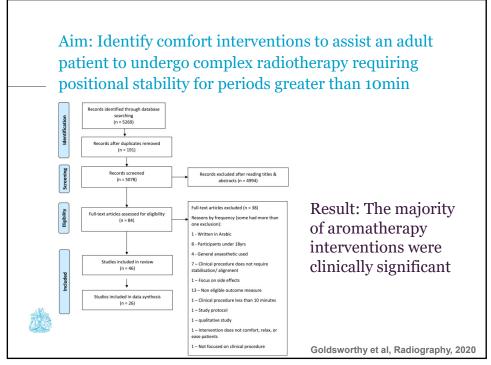


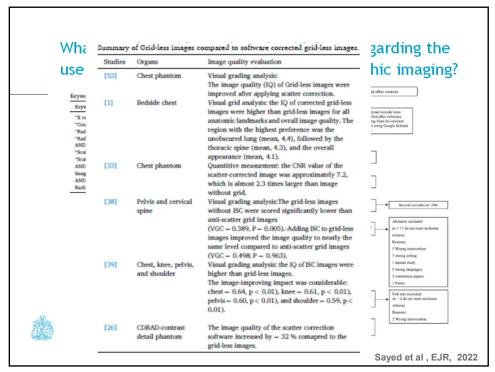




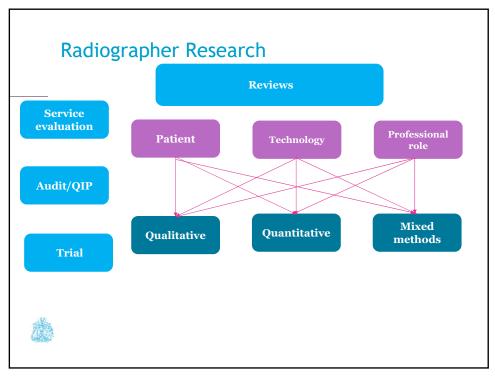


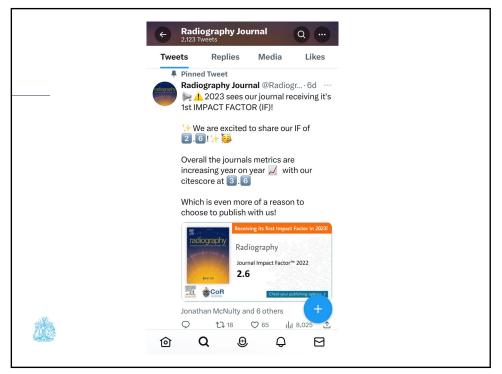






Advanced practice roles of therapeutic radiographers/radiation therapists: A systematic literature review Aims: to identify roles and activities performed by TR/RTTs at advanced level practice 87 papers Scope of practice Pre-treatment review Pre-treatment review Pre-treatment Follow-up Clinical research On treatment of studies Oliveria et al ,Radiography, 2022

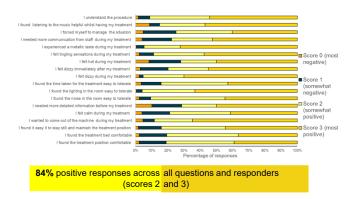




Development and results of a patient-reported treatment experience questionnaire on a 1.5 T MR-Linac

Aim- Report multi-institutional patient experience of MRI-guided adaptive radiotherapy (MRgART) on the $1.5\,\mathrm{T}$ MR-Linac (MRL).

Method: Developed validated and distributed patient questionnaire



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'Scanxiety': Content analysis of pre-MRI patient experience on Instagram

Aim: investigate pre-MRI patient posts.

As I sit here waiting for my MRI, I have never felt so ALONE" Adding #MRI to my list of least favourite things. The anxiety while you wait is on a whole other level. It's cold, sterile and the anxiety about what the procedure entailed was unreal

diverse, multifactorial, and often concomitant nature of preprocedural MRI anxiety and distress

