

The College of Radiographers will use the application details that you provide for purposes associated with the industry partnership scheme, such as education, the administration of events, research, promotion and fundraising. Our lawful basis for processing your information is to manage your funding application and fulfil our legitimate interest as a professional body. Some of your information will be shared with the Society of Radiographers. We will retain all information you submit for the duration of the application process and, should you be successfully awarded funding, the duration of the funding period. Thereafter, your information will be retained as verification of your application and for reference in relation to the industrial partnership scheme. For detailed information about how we use your information please see http://www.sor.org/privacy-statement

College of Radiographers Industry Partnership Scheme

Application guidelines

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Introduction

The College of Radiographers Industry Partnership Scheme (CoRIPS) research grant will be awarded twice per year, in April and October.

Applications for this grant are considered on a first come first served basis, with a maximum of ten applications being assessed per round.

The main focus of each project must be in one of the following programme areas, which are aligned to the CoR research priorities (see Appendix I for further detail):

- Accuracy and Safety
- Technological Innovations
- Public and Patient Experience
- Service and Workforce Transformation
- Education and Training

Applicants are encouraged to read the publication *Getting into Research: A Guide for Members* of the Society of Radiographers¹ which provides valuable research guidance that will assist with your funding application.

This guidance document is intended to assist with completion of the CoRIPS application form.

Each section of the form will be covered as listed below and must be completed in full.

Before applying, please consider the following conditions of this grant:

- This funding is **not** for audit or service evaluation;
- This funding is **not** for support with university fees;
- Applications for retrospective funding of completed projects, whether self-funded or otherwise will **not** be supported;
- Applicants must have been in continuous membership with the Society of Radiographers for a minimum of one year if funds requested are less than £5,000 and for a minimum of two years if requesting funds greater than £5,000;
- Unfortunately, we are unable to fund applicants who have previously received CoRIPS funding. However, former awardees may perform a Co-Investigator role to the Principle Investigator.

There are two grant calls per year, one in April and one in October. The deadline for submissions will be **5pm on the last Friday of April, and 5pm on the first Monday of October each year**.



NIHR Clinical Research Network

The Society and College of Radiographers is a National Institute for Health Research (NIHR) noncommercial Partner. This means the studies that we fund may be eligible to access NIHR Clinical Research Network (CRN) support.

The NIHR CRN supports researchers and the life sciences industry in planning, setting up and delivering high quality research to the agreed timelines and study recruitment target, for the benefit of patients and the NHS, including relevant research in public health and social care in England.

In partnership with your local R&D office, we encourage you to involve your local CRN team in discussions as early as possible when planning your study to fully benefit from the support the NIHR CRN offers as outlined in their Study Support Service. To find out more about how you can apply for this additional support to help deliver your study, please visit www.supportmystudy.nihr.ac.uk

Section 1 Principle Investigator

Complete all details for the Principle Investigator (PI) applying for this grant.

Section 2 Co-investigators

Complete sections 2.1 to 2.4 with details of any co-investigators for the proposed research project.

Section 3 Research category

Please indicate which category of funding you are bidding for and state which priority best matches your submission. See Appendix I for details of themed priorities.

Section 4 Further information

Answer questions 4.1 to 4.6 and provide further information where necessary.

Section 5 Title of project (25 words maximum)

This is the proposed title of your research project. It should be well-defined and reflective of the aims of the project.

Section 6 Lay summary of the project (250 words maximum)

A brief summary explaining the proposed research project to be understood by those without prior knowledge of the subject area.



Section 7 How will this research advance the profession of radiography? (100 words maximum)

Consider what impact the research will have; does it have the potential to change practice/improve outcomes?

Section 8 How does the project fit with the strategic research priorities identified by the CoR? (100 words maximum)

Consider how the proposed research fits with the themes covered in *The College of Radiographers Research Priorities for the Radiographic Profession*² and the SCoR *Research Strategy* 2016-2021³.

Section 9 Category of researcher

Please make sure you select a category of researcher that reflects your experience. For example, novice researchers would be considered as practitioners who have not previously been successful in any grant application. Experienced researchers would be considered as researchers who have had successful grants previously from any funding body that total in excess of £40,000. At least one option must be selected.



Section 10 Description of the project

What are the panel looking for?

- A well-organised proposal that is simple and logical.
- Demonstration of patient and service user involvement. (See section 10h, Patient and public involvement)
- Full consideration of research ethics. (See section 10g, Ethical considerations)
- Research that is topical and relevant within the current NHS/social care environment political context. Does it fit with national and CoR research priorities? Mention the research priorities that fit with your project.
- A well-designed study. Consider the scientific quality of your proposal; is it robust?
- Potential for follow-on projects.
- Potential to change practice or to improve outcomes.
- A demonstrated ability to do the work the panel will have greater confidence in the proposal if the research team has evidence of a good track record. This doesn't mean that you have to be an experienced researcher. If you are a novice researcher make contact with a local academic department that has research experience (or an experienced research practitioner within your institution) and ask if someone would consider mentoring you through the study. If you can't find a suitable individual, contact the SCoR Research Group who can put you in touch with a suitable person. You can add a small cost to the budget to cover the mentoring.
- Quality of presentation typos, formatting, etc. This is crucial; if the application form is littered with spelling mistakes and typographical errors, the panel may have limited confidence in your ability to complete the proposed research to a high standard.
- Demonstration of innovation.
- Value for money can your project produce results efficiently? The budget should be reasonable, believable and justified, with rational arguments for including consumables, equipment and other items. Personnel costs need to be considered carefully; do they meet the guidelines set out here? Have you obtained agreement from your employer that they will match the costs of staff time?



10 a) Principal aim of the study

Indicate the over-arching aim of the study. Include a brief introduction stating clearly what you propose to do and comment on the context.

10 b) to d) Primary research question, secondary research questions, and expected outcomes

Identify the key research question that is to be answered and outline any secondary research questions where relevant. In this section you should try to address the following questions:

- What is the issue/problem/initiative to be studied?
- Why is it a problem or of interest? Why now?
- How will it contribute to developing knowledge in radiography associated technologies, service delivery, or patient care? Does it fit the CoR research priorities for the profession?
- What are the proposed outcomes of the study?

10 e) Review of the literature

In this section, provide a review of the literature surrounding your research topic, identifying current gaps in knowledge; references should be up to date and reflect current practice or innovative approaches.



10 f) Methodology

In this section identify the epistemological stance of the study and/or any overriding philosophical perspectives.

Indicate what research approach or mix of approaches best investigates the questions proposed. Describe them and explain why they are the most suitable approaches. In this section also provide details of the following:

- Recruitment strategy
- Sampling approach
- Sample size (including power calculation if appropriate)
- Study design (i.e. pragmatic, randomised controlled trial, retrospective review of images, etc.)
- Data collection method (with brief rationale and indication of tools to be used where appropriate, i.e. Quality of Life tools or outcome measures such as geometric inaccuracies in set-up, or image quality, etc.)
- Data analysis (for quantitative studies identify the statistical analysis that will be used, for qualitative studies identify how the qualitative data will be analysed, i.e. content analysis/framework analysis, etc. and why). It is important to link the data analysis to the research questions posed (or any hypotheses stated)
- How reliability and validity of data will be assessed/assured (or for qualitative studies how credibility or trustworthiness of data will be assured)
- Ethical implications of the study identify any ethical issues of the study and how these will be covered. Further explanation should be provided in section 10g.
- Indicate how service users have or will complement the study design or the research process. Further explanation should be provided in section 10h.

10 g) Ethical considerations

Ethical considerations are an incredibly important part of the research process. The College of Radiographers would expect ethics to have been fully considered and any relevant approval applications started prior to, or in tandem with, application for CoRIPS funding. An application for funding will be enhanced by already having ethical approval in place or by clearly demonstrating that this is being worked towards.

Where ethical approval is imperative to the project, any successfully secured CoRIPS funding will not be released until approval has been granted.



10 h) Patient and public involvement

Service user/patient input and the patient or service user voice is a fundamental requisite for any research proposal. With this in mind, it is imperative that you plan from the design stage to have user involvement in your research.

There are many resources that can help with this essential feature. Applicants are encouraged to refer to the publication *Getting into Research: A Guide for Members of the Society of Radiographers*¹ as a starting point.

10 i) Potential impact of the study

Identify the impact you perceive your study outcomes (outputs) will have on service delivery or patient care.

10 j) Dissemination strategy

Indicate your dissemination strategy. In your strategy you should identify, by name, the journals, conferences or organizations that will be targeted. The resource *Measuring the impact of health research*⁴ may be useful. The College has a role in dissemination, including publishing the final report on the Society of Radiographers' website.

Please ensure you add costs to achieve the dissemination strategy in the budget (section 13).

10 k) Gantt chart

Applicants must include a simple Gantt chart of the stages of the study highlighting the key milestones.

Section 11 References

Include all citations referenced in the description of your project.

Section 12 Ethical approval

N.B. Evidence must be provided of relevant ethical approval, or of submission for approval and an expected decision timeframe, at the time of application.

Complete sections 12.1 to 12.4 as necessary. At least one option for 12.1, 12.2, and 12.4 must be selected.



Sections 13 and 14 Budget and justification of resources

In these sections please provide a detailed breakdown of the costs for the project. Include a rationale for the costs requested and what the amount is based upon (i.e. mileage assumed for travel costs, pay scale and time for personnel costs, etc.). Please ensure you include dissemination costs, i.e. conference presentation in the budget. It is crucial that care is taken over the costs requested, these must be justified and detailed calculations provided where appropriate. Please note the funds cannot be used to provide incentives for study participation (an exception to this is costing for user involvement where the INVOLVE guidelines⁵ on payments for user activity should be used).

PLEASE NOTE THIS SCHEME DOES NOT SUPPORT UNIVERSITY FEES

N.B. For novice researchers applying for funding, CoRIPS will fund 50% of the principle investigator's salary costs for the time required to work on the project as long as there is some indication that the host institution will be supporting time release to cover the rest of the staff time.

For those more experienced researchers, CoRIPS will **not** fund full salary costs for Professors or Readers working in academia where it is expected that a proportion of their workload is already allocated to research activity (this also applies to clinical practitioners employed in research roles). However, CoRIPS will fund costs towards research assistants in these cases, and a nominal amount for the PI to co-ordinate project meetings and oversee the project.

For other practitioners where research is not currently part of their work remit, CoRIPS will fund 50% of staffing costs for the project as long as the host institution demonstrates similar commitment to allow time release for undertaking the project.

Section 15 About you

Please provide a paragraph about yourself as the principal investigator and how your experience, background and abilities will enable you to complete the research project. Please also attach a CV for yourself as principal investigator and all other investigators (maximum three pages per CV). CVs can either be entered directly into the application form or provided as separate files.

Section 16 Name and signature of project contact

Principle investigator's name and signature.



Section 17 Signature(s) of Head(s) of Department(s)

Heads of participating departments should sign indicating their support for the application, agreement to the terms and conditions of the grant, and confirming that monies awarded will not be 'top-sliced'.

Section 18 Return of application form

Please return the completed application form in Microsoft Word format to pande@sor.org

Once your application has been submitted, you will be informed within approximately two months of the submission deadline whether you have been successful.

Please note

All successful grant holders must agree to publish the results of their work or research in *Radiography* (subject to the peer-review process) and to inform the College of all publications affiliated with the funded research.

All successful grant holders are expected to present the results of their work or research at the UKIO congress, the CoR Annual Radiotherapy Conference, or similar, and to inform the College of any other presentations regarding the funded research.

The College of Radiographers' support for the project must be acknowledged in any publication, poster or presentation.

Grant holders must accept the terms and conditions of any award granted.



References

- Society and college of Radiographers (2019). Getting into Research: A Guide for Members of the Society of Radiographers, 2nd ed. 978-1-909802-46-9. Available at: https://www.sor.org/sites/default/files/document-versions/getting_into_research-_a_guide_for_members_of_the_society_of_radiographers_1.pdf [Accessed July 16, 2020]
- Society and College of Radiographers (2017). The College of Radiographers Research Priorities for the Radiographic Profession. 978-1-909802-12-4. Available at: https://www.sor.org/learning/document-library/college-radiographers-research-prioritiesradiographic-profession [Accessed September 3, 2018].
- Society and College of Radiographers (2015). Research Strategy 2016-2021 Available at: https://www.sor.org/learning/document-library/research-strategy-2016-2021 [Accessed August 24, 2018].
- 4. Lavis, J., Ross, S., McLeod, C., and Gildiner, A. (2003). Measuring the impact of health research. J. Health Serv. Res. Policy *8*, 165–170.
- INVOLVE Payment for involvement. Available at: http://www.invo.org.uk/posttypepublication/payment-for-involvement/ [Accessed September 3, 2018].



Appendix I Themed Research Priorities

The following tables have been compiled from information contained in *The College of Radiographers Research Priorities for the Radiographic Profession*² and represent themed priorities in order of rank, as determined by the Delphi method.

Accuracy and Safety

| Accurac | Accuracy and Safety Themed Priorities (in order of priority) | | | | | | |
|---------|---|------|-------------|--------|--|--|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | | | |
| 2 | Audit of survivorship and late effects after radiotherapy | 4.65 | 98.1 | 11 | | | |
| 3 | Dose optimisation, in relation to image quality and methods for reduction for all modalities using ionising radiation | 4.64 | 97.7 | 12 | | | |
| 4 | Adaptive radiotherapy, in relation to developing guidelines, improving treatment outcomes and reducing side effects | 4.64 | 97.7 | 11 | | | |
| 6 | Ensuring standard procedures are evidence-based | 4.60 | 88.8 | 16 | | | |
| 7 | Management of acute and late side effects of radiotherapy | 4.59 | 97.8 | 12 | | | |
| 8 | IGRT - development of gold standard imaging regimes and image matching techniques, and consideration of dose | 4.59 | 97.7 | 12 | | | |
| 9 | Outcome measures for radiographer led procedures previously radiologist led | 4.56 | 91.8 | 14 | | | |
| 11 | Can the routine screening of vasa praevia at the anomaly ultrasound scan improve pregnancy outcomes? | 4.52 | 100.0 | 11 | | | |
| 12 | Data collection of patient outcomes for as wide an amount of treatment fractionation, doses and treatment sites as possible | 4.48 | 89.6 | 15 | | | |



| Accurac | y and Safety Themed Priorities (in order of priority) continued | | | |
|---------|---|------|-------------|--------|
| Rank | Priority topic | Mean | % agreement | CV (%) |
| 13 | Why are we still failing our babies? Persistent poor antenatal US detection rates of serious congenital heart anomalies | 4.46 | 92.3 | 14 |
| 17 | Targeted radiotherapy based on functional imaging | 4.44 | 95.3 | 13 |
| 20 | Motion management - to improve treatment outcomes and minimise normal tissue toxicity | 4.42 | 95.3 | 13 |
| 22 | Radiobiology, including effects of fractionation regimes and implications of low dose bath | 4.41 | 95.5 | 13 |
| 23 | Impact of co-morbidities on late effects of radiotherapy | 4.40 | 95.7 | 13 |
| 29 | Development of image interpretation competencies for therapeutic radiographers | 4.35 | 93.8 | 14 |
| 35 | SABR, including benefits, imaging protocols, toxicity, accuracy and potential for use in further sites | 4.33 | 95.2 | 13 |
| 45 | Radiographer target delineation | 4.30 | 88.4 | 16 |
| 46 | Decision making in radiography | 4.30 | 86.7 | 18 |
| 47 | Patient safety - increasing safety culture, reassuring patients, improve practice and patient outcomes | 4.29 | 89.4 | 16 |
| 51 | The recruitment and retention of radiographers | 4.27 | 88.2 | 17 |
| 52 | Is tomosynthesis a viable alternative to CT - could we replace 4 or 5 projection scaphoid series with this, and so negate the need to treat patients who have negative imaging? | 4.27 | 84.6 | 17 |
| 53 | On-treatment imaging, which patients should we be imaging daily and when should we use cone beam CT and when MV | 4.26 | 90.7 | 15 |
| 57 | Cost and clinical effectiveness of radiographer led musculoskeletal services | 4.25 | 87.5 | 16 |
| 58 | Investigating the use of MR imaging for paediatric radiotherapy planning and treatment | 4.24 | 92.7 | 14 |
| 61 | Should there be a more standardised approach to both performing and reporting foetal doppler ultrasound? | 4.24 | 84.0 | 17 |
| 62 | Development of more individualised targeted radiotherapy in combination with other targeted therapies | 4.24 | 83.3 | 17 |
| 64 | Establishing the accuracy of radiographer reporting in clinical practice | 4.23 | 87.7 | 19 |
| 65 | Diagnostic reference levels need to be established for the full range of examinations for both paediatrics and adults | 4.22 | 92.6 | 18 |
| 66 | Patient bladder and bowel preparation for pelvic radiotherapy treatments | 4.22 | 91.1 | 14 |
| 70 | Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays | 4.21 | 87.3 | 19 |
| 73 | Potential new diagnostic tests and diagnostic test accuracy | 4.20 | 86.8 | 16 |
| 75 | Evaluation of the effectiveness of current and emerging imaging technologies | 4.20 | 85.1 | 16 |
| 76 | Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy | 4.20 | 81.7 | 17 |
| 85 | Radiographers attitude to research and perceptions of their role in contributing to the evidence base | 4.17 | 84.4 | 18 |



| Accuracy and Safety Themed Priorities (in order of priority) continued | | | | | | |
|--|---|------|-------------|--------|--|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | | |
| 91 | Long term review of impact of IMRT related to integral dose received during repeated cone beam CT imaging | 4.14 | 86.0 | 21 | | |
| 94 | Technique improvements for verification using on-treatment imaging | 4.12 | 90.5 | 13 | | |
| 95 | MRI planning | 4.12 | 88.4 | 14 | | |
| 99 | Effectiveness of different techniques for example - very complicated breast treatments with cardiac shielding versus deep inspiration breath hold technique | 4.11 | 84.4 | 20 | | |
| 102 | Impact of digital radiography on radiographic technique and implications for patient dose | 4.11 | 81.3 | 19 | | |
| 103 | Effectiveness of imaging and radiotherapy techniques and procedures in patients with a range of diseases, e.g. cardiothoracic, neurological, gynaecological or urological disease | 4.11 | 80.5 | 19 | | |
| 104 | Imaging in the obese population | 4.11 | 80.0 | 18 | | |
| 112 | Image quality optimisation in CT | 4.07 | 86.0 | 17 | | |
| 113 | Deep inspiration breath hold reproducibility | 4.07 | 84.4 | 15 | | |
| 114 | Image quality optimisation in computed and digital radiography | 4.07 | 83.1 | 18 | | |
| 120 | Optimising breast radiotherapy imaging | 4.04 | 80.9 | 18 | | |
| 124 | Whole brain radiotherapy - quality of life v side effects relating to prognosis | 4.02 | 86.4 | 16 | | |
| 128 | Radiographer commenting system | 4.02 | 76.7 | 22 | | |
| 130 | Molecular radiotherapy - to develop better patient-specific dosimetry and facilitate the patient pathway | 4.00 | 80.0 | 16 | | |
| 131 | Tomosynthesis in screening, particularly on mobiles | 4.00 | 78.6 | 17 | | |

Technological innovations

| Technological Innovation Themed Priorities (in order of priority) | | | | | |
|---|---|------|-------------|--------|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | |
| 1 | Proton beam radiotherapy, including outcomes, patient experience, techniques, cost effectiveness, delivery, training and late effects | 4.68 | 100.0 | 10 | |
| 17 | Targeted radiotherapy based on functional imaging | 4.44 | 95.3 | 13 | |
| 20 | Motion management - to improve treatment outcomes and minimise normal tissue toxicity | 4.42 | 95.3 | 13 | |
| 22 | Radiobiology, including effects of fractionation regimes and implications of low dose bath | 4.41 | 95.5 | 13 | |
| 25 | The use of multi-modality imaging with radiotherapy planning and treatment | 4.38 | 95.6 | 15 | |
| 31 | Technology advances, in relation to patient safety, value for money and accuracy | 4.35 | 86.3 | 16 | |
| 34 | How can we reduce the number of imaging errors? | 4.34 | 89.6 | 15 | |
| 35 | SABR, including benefits, imaging protocols, toxicity, accuracy and potential for use in further sites | 4.33 | 95.2 | 13 | |



| Technolo | ogical Innovation Themed Priorities (in order of priority) continued | | | |
|----------|---|------|-------------|--------|
| Rank | Priority topic | Mean | % agreement | CV (%) |
| 37 | Breast cancer diagnosis and treatment | 4.33 | 86.7 | 16 |
| 38 | Breast tomosynthesis, use in the evaluation of difficult to visualise breast lesions in the symptomatic breast clinic | 4.32 | 92.0 | 15 |
| 42 | Exploiting the potential of tomosynthesis | 4.32 | 85.7 | 17 |
| 43 | Minimising rectal toxicity in pelvic radiotherapy | 4.31 | 95.6 | 13 |
| 52 | Is tomosynthesis a viable alternative to CT - could we replace 4 or 5 projection scaphoid series with this, and so negate the need to treat patients who have negative imaging? | 4.27 | 84.6 | 17 |
| 53 | On-treatment imaging, which patients should we be imaging daily and when should we use cone beam CT and when MV | 4.26 | 90.7 | 15 |
| 60 | Comparison of breast MR and contrast enhanced tomosynthesis in the diagnosis of lobular carcinoma | 4.24 | 84.0 | 17 |
| 62 | Development of more individualised targeted radiotherapy in combination with other targeted therapies | 4.24 | 83.3 | 17 |
| 69 | Implementation of hypofractionated radiotherapy regimens in some disease groups | 4.21 | 90.5 | 14 |
| 71 | Investigating the relationship between %tumour change as shown by Cone Beam CT Scans during radiotherapy with overall survival, recurrence rate | 4.20 | 93.3 | 15 |
| 72 | Breast tomosynthesis for screening moderate & high risk family history patients | 4.20 | 88.0 | 15 |
| 73 | Potential new diagnostic tests and diagnostic test accuracy | 4.20 | 86.8 | 16 |
| 75 | Evaluation of the effectiveness of current and emerging imaging technologies | 4.20 | 85.1 | 16 |
| 77 | Emerging technology and techniques, in relation to quality of life studies and long-term side effects | 4.19 | 86.0 | 17 |
| 84 | How do radiological procedures impact upon the management of the patient? | 4.17 | 86.1 | 17 |
| 88 | Impact of in room MRI imaging on radiotherapy delivery | 4.16 | 86.0 | 16 |
| 90 | With the introduction of PET-CT, MR linacs and 4-dimensional computerised tomography do we need more diagnostic training in radiotherapy? | 4.15 | 86.7 | 16 |
| 94 | Technique improvements for verification using on-treatment imaging | 4.12 | 90.5 | 13 |
| 95 | MRI planning | 4.12 | 88.4 | 14 |
| 99 | Effectiveness of different techniques for example - very complicated breast treatments with cardiac shielding versus deep inspiration breath hold technique | 4.11 | 84.4 | 20 |
| 102 | Impact of digital radiography on radiographic technique and implications for patient dose | 4.11 | 81.3 | 19 |
| 103 | Effectiveness of imaging and radiotherapy techniques and procedures in patients with a range of diseases, e.g. cardiothoracic, neurological, gynaecological or urological disease | 4.11 | 80.5 | 19 |
| 106 | Has there been a measurable benefit to patients from the increase in use of imaging (CT/PETCT/MRI/etc)? | 4.10 | 82.2 | 20 |
| 126 | Adapting radiotherapy based on transit dosimetry | 4.02 | 81.0 | 22 |
| 129 | Utilisation of technology available in practice, e.g. gating and cone beam CT | 4.00 | 83.7 | 20 |
| 130 | Molecular radiotherapy - to develop better patient-specific dosimetry and facilitate the patient pathway | 4.00 | 80.0 | 16 |



Patient and Public Experience

| | nd Public Themed Priorities (in order of priority) | Maar | 0/ 0.000 | CV |
|------|---|------|-------------|--------|
| Rank | Priority topic | Mean | % agreement | CV (%) |
| 1 | Proton beam radiotherapy, including outcomes, patient experience, techniques, cost effectiveness, delivery, training and late effects | 4.68 | 100.0 | 10 |
| 2 | Audit of survivorship and late effects after radiotherapy | 4.65 | 98.1 | 11 |
| 3 | Dose optimisation, in relation to image quality and methods for reduction for all modalities using ionising radiation | 4.64 | 97.7 | 12 |
| 4 | Adaptive radiotherapy, in relation to developing guidelines, improving treatment outcomes and reducing side effects | 4.64 | 97.7 | 11 |
| 5 | How to implement individualised patient-specific radiotherapy | 4.60 | 92.0 | 14 |
| 7 | Management of acute and late side effects of radiotherapy | 4.59 | 97.8 | 12 |
| 10 | Impact of 24-7, extended day and 7 day week working | 4.53 | 92.0 | 14 |
| 11 | Can the routine screening of vasa praevia at the anomaly ultrasound scan improve pregnancy outcomes? | 4.52 | 100.0 | 11 |
| 12 | Data collection of patient outcomes for as wide an amount of treatment fractionation, doses and treatment sites as possible | 4.48 | 89.6 | 15 |
| 14 | Identification of patients' priorities from a radiotherapy service - what is important for them | 4.46 | 92.1 | 14 |
| 15 | Impact of advanced & consultant practitioners on patient care and service delivery | 4.46 | 91.7 | 15 |
| 16 | Impact of NHS spending restrictions on radiotherapy service delivery | 4.46 | 89.5 | 15 |
| 18 | Advanced practitioner roles and consultant radiographer roles - making a difference to the service provided to patients | 4.43 | 92.7 | 15 |
| 19 | Survivorship - radiographer led self-referral late effects clinics | 4.43 | 90.7 | 15 |
| 22 | Radiobiology, including effects of fractionation regimes and implications of low dose bath | 4.41 | 95.5 | 13 |
| 23 | Impact of co-morbidities on late effects of radiotherapy | 4.40 | 95.7 | 13 |
| 26 | Patient partnerships in radiotherapy, in relation to improvement of physical, social, psychological and spiritual support | 4.38 | 91.4 | 15 |
| 31 | Technology advances, in relation to patient safety, value for money and accuracy | 4.35 | 86.3 | 16 |
| 32 | Raising awareness and up to date knowledge and understanding of radiotherapy among primary care and other health professionals - particularly GPs | 4.34 | 90.6 | 16 |
| 35 | SABR, including benefits, imaging protocols, toxicity, accuracy and potential for use in further sites | 4.33 | 95.2 | 13 |
| 37 | Breast cancer diagnosis and treatment | 4.33 | 86.7 | 16 |
| 40 | Impact of advanced & consultant level practice roles | 4.32 | 87.5 | 17 |
| 41 | Improving patient pathways | 4.32 | 87.2 | 16 |
| 43 | Minimising rectal toxicity in pelvic radiotherapy | 4.31 | 95.6 | 13 |
| 44 | MDT care of patients during and after radiotherapy, to provide better outcomes | 4.31 | 93.1 | 14 |
| 47 | Patient safety - increasing safety culture, reassuring patients, improve practice and patient outcomes | 4.29 | 89.4 | 16 |

THE COLLEGE OF RADIOGRAPHERS INDUSTRY PARTNERSHIP SCHEME SUPPORTING RADIOGRAPHY RESEARCH

| Patient ar | nd Public Themed Priorities (in order of priority) continued | | | |
|------------|---|------|-------------|--------|
| Rank | Priority topic | Mean | % agreement | CV (%) |
| 48 | Efficacy of diagnostic pathways | 4.28 | 86.8 | 17 |
| 49 | Radiographer led assessment and discharge for minor injuries - evaluation of its effectiveness | 4.28 | 84.6 | 17 |
| 54 | Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities | 4.26 | 89.2 | 16 |
| 55 | Patient involvement, to improve patient experience and guide practice | 4.26 | 87.5 | 16 |
| 56 | Work force/recruitment/attrition rates for radiotherapy students. How can we ensure more students are attracted to radiography (particularly therapy) and retained? | 4.25 | 88.3 | 16 |
| 61 | Should there be a more standardised approach to both performing and reporting foetal doppler ultrasound? | 4.24 | 84.0 | 17 |
| 62 | Development of more individualised targeted radiotherapy in combination with other targeted therapies | 4.24 | 83.3 | 17 |
| 63 | Impact of independent prescribing by radiographers | 4.24 | 82.6 | 17 |
| 65 | Diagnostic reference levels need to be established for the full range of examinations for both paediatrics and adults | 4.22 | 92.6 | 18 |
| 66 | Patient bladder and bowel preparation for pelvic radiotherapy treatments | 4.22 | 91.1 | 14 |
| 67 | Extending the role of radiographers into triage and discharge in emergency departments | 4.22 | 86.7 | 18 |
| 68 | Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience | 4.22 | 83.3 | 17 |
| 69 | Implementation of hypofractionated radiotherapy regimens in some disease groups | 4.21 | 90.5 | 14 |
| 70 | Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays | 4.21 | 87.3 | 19 |
| 71 | Investigating the relationship between %tumour change as shown by Cone Beam CT Scans during radiotherapy with overall survival, recurrence rate | 4.20 | 93.3 | 15 |
| 72 | Breast tomosynthesis for screening moderate & high risk family history patients | 4.20 | 88.0 | 15 |
| 73 | Potential new diagnostic tests and diagnostic test accuracy | 4.20 | 86.8 | 16 |
| 76 | Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy | 4.20 | 81.7 | 17 |
| 77 | Emerging technology and techniques, in relation to quality of life studies and long-term side effects | 4.19 | 86.0 | 17 |
| 78 | Dementia and the challenges within radiography | 4.19 | 84.1 | 18 |
| 79 | Radiographer (or practitioner)-led services/service transformation | 4.19 | 83.0 | 17 |
| 80 | Promoting patient and public involvement in radiotherapy services | 4.18 | 92.2 | 16 |
| 82 | Evaluating the impact of centralising paediatric radiotherapy into 2 centres (when proton centres open in 2018-19) | 4.18 | 85.0 | 18 |
| 84 | How do radiological procedures impact upon the management of the patient? | 4.17 | 86.1 | 17 |
| 86 | Increase the radiotherapy clinical trials portfolio | 4.17 | 79.6 | 22 |
| 88 | Impact of in room MRI imaging on radiotherapy delivery | 4.16 | 86.0 | 16 |



| Patient a | nd Public Themed Priorities (in order of priority) continued | | | |
|-----------|---|------|-------------|--------|
| Rank | Priority topic | Mean | % agreement | CV (%) |
| 89 | Improving the publicity around radiotherapy in an effective way | 4.16 | 80.0 | 18 |
| 96 | Radiographer-led breast symptomatic clinics | 4.12 | 82.5 | 17 |
| 97 | Understanding patient perceptions of the clinical service provided by radiographers within the clinical imaging and radiotherapy services | 4.12 | 81.6 | 19 |
| 104 | Imaging in the obese population | 4.11 | 80.0 | 18 |
| 106 | Has there been a measurable benefit to patients from the increase in use of imaging (CT/PETCT/MRI/etc)? | 4.10 | 82.2 | 20 |
| 118 | Capturing and using patient experience across the age range and across all modalities | 4.05 | 80.0 | 17 |
| 119 | The patient voice and feedback - quality of care | 4.05 | 76.0 | 19 |
| 124 | Whole brain radiotherapy - quality of life v side effects relating to prognosis | 4.02 | 86.4 | 16 |
| 125 | What is the role of diet and exercise, and are survivorship courses effective? | 4.02 | 83.0 | 17 |
| 130 | Molecular radiotherapy - to develop better patient-specific dosimetry and facilitate the patient pathway | 4.00 | 80.0 | 16 |

Service and Workforce Transformation

| Service and Workforce Transformation Themed Priorities (in order of priority) | | | | | |
|---|---|------|-------------|--------|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | |
| 6 | Ensuring standard procedures are evidence-based | 4.60 | 88.8 | 16 | |
| 8 | IGRT - development of gold standard imaging regimes and image matching techniques, and consideration of dose | 4.59 | 97.7 | 12 | |
| 9 | Outcome measures for radiographer led procedures previously radiologist led | 4.56 | 91.8 | 14 | |
| 10 | Impact of 24-7, extended day and 7 day week working | 4.53 | 92.0 | 14 | |
| 11 | Can the routine screening of vasa praevia at the anomaly ultrasound scan improve pregnancy outcomes? | 4.52 | 100.0 | 11 | |
| 14 | Identification of patients' priorities from a radiotherapy service - what is important for them | 4.46 | 92.1 | 14 | |
| 15 | Impact of advanced & consultant practitioners on patient care and service delivery | 4.46 | 91.7 | 15 | |
| 16 | Impact of NHS spending restrictions on radiotherapy service delivery | 4.46 | 89.5 | 15 | |
| 18 | Advanced practitioner roles and consultant radiographer roles - making a difference to the service provided to patients | 4.43 | 92.7 | 15 | |
| 19 | Survivorship - radiographer led self-referral late effects clinics | 4.43 | 90.7 | 15 | |
| 21 | Future of the profession - is the current model fit for purpose? | 4.42 | 86.6 | 18 | |
| 24 | Evaluating the education and workforce requirements to meet future service needs | 4.39 | 87.1 | 18 | |
| 25 | The use of multi-modality imaging with radiotherapy planning and treatment | 4.38 | 95.6 | 15 | |
| 26 | Patient partnerships in radiotherapy, in relation to improvement of physical, social, psychological and spiritual support | 4.38 | 91.4 | 15 | |



| RankPriority topicMean% agreementCV (%)27Develop herole of advanced and consultant practitioners into new areas4.3889.41628Addressing poor recruitment and relation of sonographers4.3690.21630Patient experience, in relation to improving quality of life, confort, anxiety and indurity of care4.3290.01733Rediotherapy research - how are we promote a culture of research in all of the top in the new and the search culture in our profession4.3389.71736How to improve the research culture in our profession4.3287.71837Magent of advanced & consultant level practice nels4.3287.71848Improving patient pathways4.3287.71444MDT care of patients during and after radiotherapy, top rovide better ourcomes4.3193.11445Radiographer target delineation4.3088.41646Relifecary of diagnotic pathways4.2888.61747Relifecary of diagnotic pathways4.2888.61750Relifecary of adjouncit pathways4.2790.41551The recruitment and retention of radiographer carealuation of the search culture of relieves of radiographer complexity culture and search culture and | Service a | nd Workforce Transformation Themed Priorities (in order of priority) continued | ł | | |
|--|-----------|--|------|-------------|--------|
| 28Addressing poor recruitment and retention of sonographers4.3690.21630Patient experience, in relation to improving quality of life, comfort, anxiety and guality of are4.3590.71533Radiotherapy research - how can we promote a culture of research into an often fragmented infrastructure?4.3389.71736How to improve the research culture in our profession4.3389.71739What will the imaging service demands be by 2020 and how will we meet them?4.3287.71840Impact of advanced & consultant level practice roles4.3287.21641Improving patient pathways4.3287.21644MDT care of patients during and after radiotherapy, to provide better outcomes4.3193.11445Radiographer target delineation4.3088.41648Efficacy of diagnostic pathways4.2886.81750Role development - scope of practice, clinical and cost effectiveness4.2780.21651The recruitment and retention of radiographers4.2689.21653Effectiveness of radiographer communication skills in imaging and radiotherapy students. How can we ensure more students are attracted to radiography (particularly therapy) and radiotherapy students. How can we ensure more students are attracted to radiographer services4.2487.31754Effectiveness of radiographer inductional shills in imaging and radiotherapy students. How can we ensure more students are attracted to | Rank | Priority topic | Mean | % agreement | CV (%) |
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| 30quality of care1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | 28 | Addressing poor recruitment and retention of sonographers | 4.36 | 90.2 | 16 |
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| 39What will the imaging service demands be by 2020 and how will we meet them?4.3287.71840Impact of advanced & consultant level practice roles4.3287.51741Improving patient pathways4.3287.21644MDT care of patients during and after radiotherapy, to provide better outcomes4.3193.11445Radiographer target delineation4.3088.41648Efficacy of diagnostic pathways4.2886.81749Radiographer led assessment and discharge for minor injuries - evaluation of its effectiveness4.2790.41550Role development - scope of practice, clinical and cost effectiveness4.2788.21754Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities4.2689.21656ensure more students are attracted to radiography (particularly therapy) and ensure more students are attracted to radiography (particularly therapy) and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2487.31764Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2085.91870Effective communication of radiography findings, e.g. MRI scans, ultrasound departments4.2081.71774Health economics and radiographer reporting/advanced practice4.20 <td>33</td> <td></td> <td>4.34</td> <td>90.0</td> <td>17</td> | 33 | | 4.34 | 90.0 | 17 |
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| 41Improving patient pathways4.3287.21644MDT care of patients during and after radiotherapy, to provide better outcomes4.3193.11445Radiographer target delineation4.3088.41648Efficacy of diagnostic pathways4.2886.81749Radiographer led assessment and discharge for minor injuries - evaluation of its effectiveness4.2884.61750Role development - scope of practice, clinical and cost effectiveness4.2790.41551The recruitment and retention of radiographers4.2788.21754Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities4.2689.21657Cost and clinical effectiveness of radiographer led musculoskeletal services4.2588.31659How can radiographers maximise their potential as experts in imaging and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61764Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2085.91870Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2081.71774Health economics and radiography reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, b | 39 | | 4.32 | 87.7 | 18 |
| 44MDT care of patients during and after radiotherapy, to provide better outcomes 4.31 93.1 14 45Radiographer target delineation 4.30 88.4 16 48Efficacy of diagnostic pathways 4.28 86.8 17 49Radiographer led assessment and discharge for minor injuries - evaluation of its effectiveness 4.28 84.6 17 50Role development - scope of practice, clinical and cost effectiveness 4.27 90.4 15 51The recruitment and retention of radiographers 4.27 88.2 17 54Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities 4.26 89.2 16 56ensure more students are attracted to radiography (particularly therapy) and retained? 4.25 88.3 16 57Cost and clinical effectiveness of radiographer led musculoskeletal services 4.24 87.3 17 63Impact of independent prescribing by radiographers 4.24 87.3 17 64Service delivery models - optimum use of equipment and staff resources, and assessement of the patient experience 4.20 85.9 18 68Service deliver sand radiographer reporting/advanced practice 4.20 85.9 18 70Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays 4.20 81.7 17 74Health economics and radiographer reporting/advanced practice 4.20 85.9 18 </td <td>40</td> <td>Impact of advanced & consultant level practice roles</td> <td>4.32</td> <td>87.5</td> <td>17</td> | 40 | Impact of advanced & consultant level practice roles | 4.32 | 87.5 | 17 |
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| 48Efficacy of diagnostic pathways4.2886.81749Radiographer led assessment and discharge for minor injuries - evaluation of its effectiveness4.2884.61750Role development - scope of practice, clinical and cost effectiveness4.2790.41551The recruitment and retention of radiographers4.2788.21754Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities4.2689.21656ensure more students are attracted to radiography (particularly therapy) and retained?4.2588.31657Cost and clinical effectiveness of radiographer led musculoskeletal services4.2487.31763Impact of independent prescribing by radiographers4.2487.31763Impact of independent prescribing by radiographers4.2286.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2085.91870Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2081.71774Health economics and radiographer reporting/advanced practice4.2081.71778Dementia and the challenges within radiography4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 44 | MDT care of patients during and after radiotherapy, to provide better outcomes | 4.31 | 93.1 | 14 |
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| 51The recruitment and retention of radiographers4.2788.21754Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities4.2689.21656work force/recruitment/attrition rates for radiotherapy students. How can we ensure more students are attracted to radiography (particularly therapy) and retained?4.2588.31657Cost and clinical effectiveness of radiographer led musculoskeletal services4.2587.51659How can radiographers maximise their potential as experts in imaging and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61764Extending the role of radiographers into triage and discharge in emergency departments4.2286.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2085.91870Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2081.71774Health economics and radiographer reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 49 | | 4.28 | 84.6 | 17 |
| 54Effectiveness of radiographer communication skills in imaging and radiotherapy in the context of new roles and responsibilities4.2689.21656Work force/recruitment/attrition rates for radiotherapy students. How can we ensure more students are attracted to radiography (particularly therapy) and retained?4.2588.31657Cost and clinical effectiveness of radiographer led musculoskeletal services4.2587.51659How can radiographers maximise their potential as experts in imaging and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61764Effectivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2283.31770Effective communication of radiographer reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 50 | Role development - scope of practice, clinical and cost effectiveness | 4.27 | 90.4 | 15 |
| 54radiotherapy in the context of new roles and responsibilities4.2689.21655work force/recruitment/attrition rates for radiotherapy students. How can we ensure more students are attracted to radiography (particularly therapy) and retained?4.2588.31657Cost and clinical effectiveness of radiographer led musculoskeletal services4.2587.51659How can radiographers maximise their potential as experts in imaging and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61764Extending the role of radiographers into triage and discharge in emergency departments4.2283.31768Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2087.31970Effective communication of radiographer reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.1983.01779Radiographer (or practitioner)-led services/service transformation4.1983.017 | 51 | The recruitment and retention of radiographers | 4.27 | 88.2 | 17 |
| 56ensure more students are attracted to radiography (particularly therapy) and retained?4.2588.31657Cost and clinical effectiveness of radiographer led musculoskeletal services4.2587.51659How can radiographers maximise their potential as experts in imaging and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61767Extending the role of radiographers into triage and discharge in emergency departments4.2286.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2087.31770Effective communication of radiographer reporting/advanced practice4.2085.91874Health economics and radiographer reporting/advanced practice4.2081.71778Dementia and the challenges within radiography4.1983.01779Radiographer (or practitioner)-led services/service transformation4.1983.017 | 54 | | 4.26 | 89.2 | 16 |
| 59How can radiographers maximise their potential as experts in imaging and become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61767Extending the role of radiographers into triage and discharge in emergency departments4.2286.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2187.31770Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2085.91874Health economics and radiographer reporting/advanced practice4.2081.71778Dementia and the challenges within radiography4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 56 | ensure more students are attracted to radiography (particularly therapy) and | 4.25 | 88.3 | 16 |
| 39become the experts with regards to adaptive radiotherapy techniques?4.2487.31763Impact of independent prescribing by radiographers4.2482.61767Extending the role of radiographers into triage and discharge in emergency departments4.2286.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2283.31770Effective communication of radiographer reporting/advanced practice4.2085.91874Health economics and radiographer reporting/advanced practice4.2081.71776Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 57 | Cost and clinical effectiveness of radiographer led musculoskeletal services | 4.25 | 87.5 | 16 |
| 67Extending the role of radiographers into triage and discharge in emergency departments4.2286.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2283.31770Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2187.31974Health economics and radiographer reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 59 | | 4.24 | 87.3 | 17 |
| 67departments4.2280.71868Service delivery models - optimum use of equipment and staff resources, and assessment of the patient experience4.2283.31770Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2187.31974Health economics and radiographer reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 63 | Impact of independent prescribing by radiographers | 4.24 | 82.6 | 17 |
| 68assessment of the patient experience4.2285.31770Effective communication of radiography findings, e.g. MRI scans, ultrasound imaging and x-rays4.2187.31974Health economics and radiographer reporting/advanced practice4.2085.91876Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.2081.71778Dementia and the challenges within radiography4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 67 | | 4.22 | 86.7 | 18 |
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| 76Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy4.2081.71778Dementia and the challenges within radiography4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 70 | | 4.21 | 87.3 | 19 |
| 764.2081.71778Dementia and the challenges within radiography4.1984.11879Radiographer (or practitioner)-led services/service transformation4.1983.017 | 74 | Health economics and radiographer reporting/advanced practice | 4.20 | 85.9 | 18 |
| 79Radiographer (or practitioner)-led services/service transformation4.1983.017 | 76 | | 4.20 | 81.7 | 17 |
| | 78 | Dementia and the challenges within radiography | 4.19 | 84.1 | 18 |
| 80Promoting patient and public involvement in radiotherapy services4.1892.216 | 79 | Radiographer (or practitioner)-led services/service transformation | 4.19 | 83.0 | 17 |
| | 80 | Promoting patient and public involvement in radiotherapy services | 4.18 | 92.2 | 16 |



| Service a | Service and Workforce Transformation Themed Priorities (in order of priority) continued | | | | | | |
|-----------|---|------|-------------|--------|--|--|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | | | |
| 81 | Training and educational needs for advanced radiotherapy and imaging | 4.18 | 86.4 | 16 | | | |
| 82 | Evaluating the impact of centralising paediatric radiotherapy into 2 centres (when proton centres open in 2018-19) | 4.18 | 85.0 | 18 | | | |
| 83 | Identifying future skills set needs for radiographers, creating methods to obtain these and assessing effectiveness of education strategies | 4.18 | 81.1 | 18 | | | |
| 84 | How do radiological procedures impact upon the management of the patient? | 4.17 | 86.1 | 17 | | | |
| 85 | Radiographers attitude to research and perceptions of their role in contributing to the evidence base | 4.17 | 84.4 | 18 | | | |
| 86 | Increase the radiotherapy clinical trials portfolio | 4.17 | 79.6 | 22 | | | |
| 87 | Effectiveness of the extended role of the radiographer in diagnostic imaging and radiotherapy | 4.16 | 86.2 | 16 | | | |
| 92 | Research radiographers - benefit to profession & NHS | 4.14 | 84.0 | 19 | | | |
| 93 | Explore different schemes and initiatives to increase radiography research capacity in the UK | 4.14 | 82.6 | 18 | | | |
| 96 | Radiographer-led breast symptomatic clinics | 4.12 | 82.5 | 17 | | | |
| 97 | Understanding patient perceptions of the clinical service provided by radiographers within the clinical imaging and radiotherapy services | 4.12 | 81.6 | 19 | | | |
| 98 | Investigating extension of reporting roles to more areas of imaging and to more radiographers | 4.11 | 84.6 | 17 | | | |
| 100 | The career of sonography - is a change in training required to address staff shortfall? | 4.11 | 83.3 | 20 | | | |
| 101 | Advanced practice - to improve service and encourage leadership and decision making skills | 4.11 | 82.3 | 18 | | | |
| 107 | Identify the need for more clinical research radiographer posts within the UK | 4.10 | 82.0 | 17 | | | |
| 109 | Barriers to chest x-ray reporting by radiographers | 4.09 | 83.3 | 17 | | | |
| 115 | Role extension in radiography - what are the key obstacles and solutions? | 4.06 | 81.1 | 18 | | | |
| 116 | Referral patterns, unnecessary referrals and increases in referrals | 4.06 | 75.0 | 22 | | | |
| 117 | Radiographer decision making - to ensure an autonomous workforce | 4.05 | 83.1 | 21 | | | |
| 121 | Radiographer performed mammography image interpretation | 4.04 | 80.0 | 21 | | | |
| 122 | Optimising diagnostics requesting and reducing the burden of waste | 4.04 | 76.1 | 20 | | | |
| 123 | Radiographer research capability - why do we lag behind other professions? | 4.03 | 78.9 | 20 | | | |
| 127 | Review of the 4-tier structure | 4.02 | 77.3 | 23 | | | |
| 128 | Radiographer commenting system | 4.02 | 76.7 | 22 | | | |
| 131 | Tomosynthesis in screening, particularly on mobiles | 4.00 | 78.6 | 17 | | | |
| 132 | Evaluation of different staffing models and effective service delivery models | 4.00 | 78.0 | 19 | | | |
| 133 | The move to 'commenting' (PCE) and the need to audit performance and set minimum standards | 4.00 | 75.8 | 21 | | | |



Education and Training

| Educatio | Education and Training Themed Priorities (in order of priority) | | | | |
|----------|---|------|-------------|--------|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | |
| 1 | Proton beam radiotherapy, including outcomes, patient experience, techniques, cost effectiveness, delivery, training and late effects | 4.68 | 100.0 | 10 | |
| 5 | How to implement individualised patient-specific radiotherapy | 4.60 | 92.0 | 14 | |
| 6 | Ensuring standard procedures are evidence-based | 4.60 | 88.8 | 16 | |
| 7 | Management of acute and late side effects of radiotherapy | 4.59 | 97.8 | 12 | |
| 8 | IGRT - development of gold standard imaging regimes and image matching techniques, and consideration of dose | 4.59 | 97.7 | 12 | |
| 9 | Outcome measures for radiographer led procedures previously radiologist led | 4.56 | 91.8 | 14 | |
| 13 | Why are we still failing our babies? Persistent poor antenatal US detection rates of serious congenital heart anomalies | 4.46 | 92.3 | 14 | |
| 19 | Survivorship - radiographer led self-referral late effects clinics | 4.43 | 90.7 | 15 | |
| 21 | Future of the profession - is the current model fit for purpose? | 4.42 | 86.6 | 18 | |
| 24 | Evaluating the education and workforce requirements to meet future service needs | 4.39 | 87.1 | 18 | |
| 25 | The use of multi-modality imaging with radiotherapy planning and treatment | 4.38 | 95.6 | 15 | |
| 26 | Patient partnerships in radiotherapy, in relation to improvement of physical, social, psychological and spiritual support | 4.38 | 91.4 | 15 | |
| 27 | Develop the role of advanced and consultant practitioners into new areas | 4.38 | 89.4 | 16 | |
| 28 | Addressing poor recruitment and retention of sonographers | 4.36 | 90.2 | 16 | |
| 29 | Development of image interpretation competencies for therapeutic radiographers | 4.35 | 93.8 | 14 | |
| 32 | Raising awareness and up to date knowledge and understanding of radiotherapy among primary care and other health professionals - particularly GPs | 4.34 | 90.6 | 16 | |
| 34 | How can we reduce the number of imaging errors? | 4.34 | 89.6 | 15 | |
| 36 | How to improve the research culture in our profession | 4.33 | 89.7 | 17 | |
| 39 | What will the imaging service demands be by 2020 and how will we meet them? | 4.32 | 87.7 | 18 | |
| 50 | Role development - scope of practice, clinical and cost effectiveness | 4.27 | 90.4 | 15 | |
| 51 | The recruitment and retention of radiographers | 4.27 | 88.2 | 17 | |
| 56 | Work force/recruitment/attrition rates for radiotherapy students. How can we ensure more students are attracted to radiography (particularly therapy) and retained? | 4.25 | 88.3 | 16 | |
| 60 | Comparison of breast MR and contrast enhanced tomosynthesis in the diagnosis of lobular carcinoma | 4.24 | 84.0 | 17 | |
| 71 | Investigating the relationship between %tumour change as shown by Cone Beam CT Scans during radiotherapy with overall survival, recurrence rate | 4.20 | 93.3 | 15 | |
| 76 | Radiographer reporting for breast MRI, both high risk screening and symptomatic cases - research to prove efficacy | 4.20 | 81.7 | 17 | |
| 77 | Emerging technology and techniques, in relation to quality of life studies and long-term side effects | 4.19 | 86.0 | 17 | |



| Education and Training Themed Priorities (in order of priority) continued | | | | | | |
|---|---|------|-------------|--------|--|--|
| Rank | Priority topic | Mean | % agreement | CV (%) | | |
| 78 | Dementia and the challenges within radiography | 4.19 | 84.1 | 18 | | |
| 79 | Radiographer (or practitioner)-led services/service transformation | 4.19 | 83.0 | 17 | | |
| 81 | Training and educational needs for advanced radiotherapy and imaging | 4.18 | 86.4 | 16 | | |
| 83 | Identifying future skills set needs for radiographers, creating methods to obtain these and assessing effectiveness of education strategies | 4.18 | 81.1 | 18 | | |
| 85 | Radiographers attitude to research and perceptions of their role in contributing to the evidence base | 4.17 | 84.4 | 18 | | |
| 86 | Increase the radiotherapy clinical trials portfolio | 4.17 | 79.6 | 22 | | |
| 87 | Effectiveness of the extended role of the radiographer in diagnostic imaging and radiotherapy | 4.16 | 86.2 | 16 | | |
| 89 | Improving the publicity around radiotherapy in an effective way | 4.16 | 80.0 | 18 | | |
| 90 | With the introduction of PET-CT, MR linacs and 4-dimensional computerised tomography do we need more diagnostic training in radiotherapy? | 4.15 | 86.7 | 16 | | |
| 92 | Research radiographers - benefit to profession & NHS | 4.14 | 84.0 | 19 | | |
| 93 | Explore different schemes and initiatives to increase radiography research capacity in the UK | 4.14 | 82.6 | 18 | | |
| 100 | The career of sonography - is a change in training required to address staff shortfall? | 4.11 | 83.3 | 20 | | |
| 101 | Advanced practice - to improve service and encourage leadership and decision making skills | 4.11 | 82.3 | 18 | | |
| 105 | MR linacs - what is the training requirement for therapeutic radiographers? | 4.11 | 77.8 | 19 | | |
| 111 | Education at all levels - how is it evolving to meet challenges of new technologies and techniques? | 4.08 | 80.4 | 19 | | |
| 112 | Image quality optimisation in CT | 4.07 | 86.0 | 17 | | |
| 114 | Image quality optimisation in computed and digital radiography | 4.07 | 83.1 | 18 | | |
| 120 | Optimising breast radiotherapy imaging | 4.04 | 80.9 | 18 | | |
| 123 | Radiographer research capability - why do we lag behind other professions? | 4.03 | 78.9 | 20 | | |
| 128 | Radiographer commenting system | 4.02 | 76.7 | 22 | | |
| 132 | Evaluation of different staffing models and effective service delivery models | 4.00 | 78.0 | 19 | | |
| 133 | The move to 'commenting' (PCE) and the need to audit performance and set minimum standards | 4.00 | 75.8 | 21 | | |