

Clinical Radiology

Curriculum 2021



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Clinical Supervisor's reports

The role of the clinical supervisor

All trainees should have a named clinical supervisor for clinical attachment. Clinical supervisors should be specifically trained for their role and recognised by the GMC. The RCR provides workshops that have been designed to allow supervisors to develop the required capabilities for GMC recognition as a clinical supervisor.

The named clinical supervisor is responsible for overseeing a specified trainee's clinical work during a training attachment. This includes providing appropriate and individualised learning opportunities, undertaking assessment, and giving constructive feedback. Although other members of the multi-professional team may at times be involved in supervision, feedback and delivery of specific learning opportunities, the clinical supervisor has overall accountability for these activities. Further details of the role of the clinical supervisor can be found in the clinical radiology and interventional radiology curricula.

The clinical supervisor is also responsible for providing an induction, mid-attachment and end of placement review of the trainee's progress, which will feed into the educational supervisor's structured report and ARCP panel's decision on whether the trainee should progress to the next stage of training. This is a crucial aspect of the clinical supervisor's role, and the quality of these reports is key to enabling the educational supervisor and ARCP panel to make accurate judgements of the trainee's progress.

The clinical supervisor's induction appraisal

The clinical supervisor should meet with the trainee at the beginning of their attachment to review the trainee's progress in their training so far and what they need from this attachment. They should agree learning outcomes specific to the attachment ahead and relate these to the trainee's progress towards the CiPs. They should also refer to the trainee's personal development plan (PDP) to discuss opportunities for the trainee to work towards these goals during this attachment. The clinical supervisor and trainee should discuss and identify the learning opportunities available during this attachment, and any support/resources that the trainee needs to allow them to meet their objectives. This meeting should be documented using the 'clinical supervisor's induction appraisal' form in the Kaizen e-portfolio.

Either the trainee or the clinical supervisor can create the clinical supervisor's induction report, however the report can only be completed and added to the trainee's timeline by the clinical supervisor. If the trainee starts the form, they will complete section 1 and send this to their clinical supervisor for review. The supervisor can then edit any of the information in section 1 and add comments in section 2. If the supervisor creates the report, they will complete section 1 and there will be no requirement to complete section 2.

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Section 1 of the form initially asks for basic information about the trainee. It is important to select the correct specialty for the trainee, as the subsequent sections will differ dependent on the specialty selected.

Please select the capacity in which you are completing this form ★
Completing as a supervisor ▼

Specialty ★

- Clinical radiology
- Interventional radiology
- Nuclear medicine with CESR in clinical radiology
- Nuclear medicine dual CCT programme
- Other

Section 1 of the form also provides the ability to pull the trainee's PDP objectives into the report. For this function to work properly the date range entered must cover the full date range detailed in the PDP, not just the date the PDP was created. If you find that this data isn't being pulled through correctly you should check that the full date range covered by the PDP is included in the date range entered in the report.

Please select the capacity in which you are completing this form ★
Completing as a supervisor ▼

Specialty ★
Clinical radiology ▼

Please select the trainee's specialty. Please note RNR trainees should select clinical radiology - nuclear medicine should only be selected if the trainee has a nuclear medicine training number and is registered with the JRCPTB as a nuclear medicine trainee.

Clinical radiology training grade ★
ST3 ▼

Date of meeting ★
11/4/2022

Clinical supervisor's name ★

PDP Objective Summary

Choose Start Date ★
1/1/2018

Choose End Date ★
21/10/2019

[Generate report](#)

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Following this, the report asks the supervisor and trainee to identify learning outcomes related to the CiPs for this attachment. The CiPs are high level, and most attachments are likely to cover many of the CiPs. It is not necessary to agree a learning outcome for every CiP; the induction report allows you to select a small number of the most relevant CiPs and to create a learning outcome for the CiPs most relevant to this attachment.

Learning outcomes to be addressed in this attachment

Please select the CiPs that the trainee will work towards during this attachment and enter learning outcome(s) that contextualise the CiPs for this attachment.

It is not necessary to provide learning outcomes for CiPs that do not apply to this attachment. The generic CiPs (1-6) have not been included (the educational supervisor will set targets relating to these).

Learning outcomes - specialty-specific CiPs

Please select the relevant CiPs *

Please select the relevant CiPs

- 7. Appropriately select and tailor imaging to patient context and the clinical question(s).
- 8. Provide timely, accurate and clinically useful reports on imaging studies.
- 9. Appropriately manage imaging examination lists/procedures according to clinical need and professional expertise.
- 10. Evaluate image quality and utilise the knowledge of imaging sciences to optimise image quality.
- 11. Safely manage the imaging and image-guided intervention needed to support emergency care.
- 12. Effectively contribute a clinical/imaging opinion to a multidisciplinary team (MDT) meeting.

When you select the most relevant CiPs, a box will appear for each CiP where you can include a learning outcome for this attachment related to that CiP. The help text in italics below each box reminds you of the description for that CiP.

Learning outcomes - specialty-specific CiPs

Please select the relevant CiPs *

- 7. Appropriately select and tailor imaging to patient context and the clinical question(s). ✕
- 8. Provide timely, accurate and clinically useful reports on imaging studies. ✕
- 10. Evaluate image quality and utilise the knowledge of imaging sciences to optimise image quality. ✕

Select all that apply

Learning outcome CiP 7 *

Discuss imaging requests with referers to determine the most appropriate imaging pathway. Protocol ultrasound appropriately with direct supervision.

CiP 7: Appropriately select and tailor imaging to patient context and the clinical question(s).

Learning outcome CiP 8 *

Become proficient in reporting FL, plain film, US and CT for common presentations with direct supervision until local plain film exam and ultrasound block are complete, then with indirect supervision

CiP 8: Provide timely, accurate and clinically useful reports on imaging studies.

Learning outcome CiP 10 *

With direct supervision, appropriately refer to/modify image quality when this impacts diagnostic certainty

CiP 10: Evaluate image quality and utilise the knowledge of imaging sciences to optimise image quality.

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Similarly, you will be asked to select which of the procedures and milestones from the curriculum apply to this attachment.

Procedures/milestones

Please select the procedures/milestones trainee will work towards in this attachment ★

Please select the procedures/milestones trainee will work towards in this attachment

- Image guided biopsy
- Image guided drainage
- Image guided vascular access and basic catheter/wire manipulation
- Contrast studies of lines and tubes
- Contrast studies of the adult and paediatric GI and GU tract
- Protocol and prioritise imaging referrals
- Independently report plain films to support the acute unselected intake

The final part of section 1 asks the supervisor and trainee to comment on any other PDP goals that the trainee will work towards during this attachment. These may be more generic than the site-specific outcomes set for the selected CiPs. There is a button at the bottom of this section, which allows you to attach any documents which may be relevant to the induction report.

Procedures/milestones

Please select the procedures/milestones trainee will work towards in this attachment ★

Image guided biopsy ✕ Image guided drainage ✕

select all that apply

Other learning outcomes

What opportunities for research, audit, teaching, and leadership experience will the trainee have during this rotation? ★

Zoe should attend and contribute to trainee-led teaching sessions on Wednesday mornings

Other PDP goals to be addressed in this attachment

Zoe should report 300 CTs and 300 plain films, and attend FRCR part 1 teaching sessions

Please give details of any other goals, not listed above, that will be addressed in this rotation

Supervisor's comments

Supervisor's comments

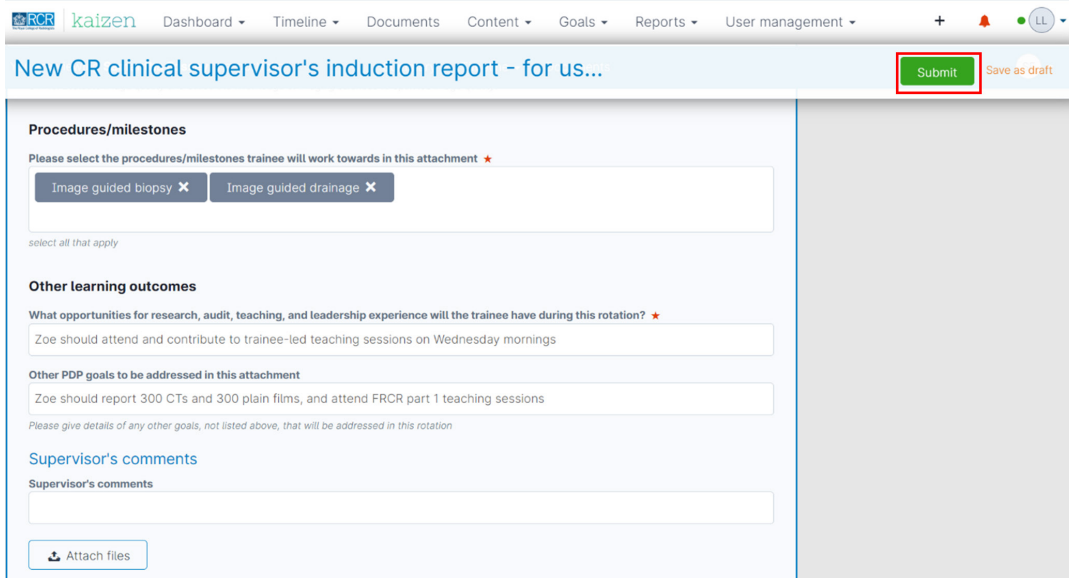
Attach files

If the trainee wishes, they may start the form before their induction meeting with their supervisor and this can form the basis of the discussion in the meeting. The supervisor can edit any information that the trainee has entered in section 1, for example adjusting learning outcomes. The supervisor will then be asked complete section 2, which allows them to confirm whether they have made any adjustments to section 1 and add any further comments that they have. Similar to section 1, there is a button at the bottom which will allow the supervisor to attach any relevant supporting documents.

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The report can be completed by clicking on the green 'submit' button that appears at the top, right-hand side of the screen while the report is open. This will send it to the trainee's timeline where it can be viewed by anyone with appropriate access to the trainee's account (e.g. their educational supervisor).



kaizen Dashboard Timeline Documents Content Goals Reports User management

New CR clinical supervisor's induction report - for us... Submit Save as draft

Procedures/milestones
Please select the procedures/milestones trainee will work towards in this attachment *

Image guided biopsy x Image guided drainage x

select all that apply

Other learning outcomes
What opportunities for research, audit, teaching, and leadership experience will the trainee have during this rotation? *

Zoe should attend and contribute to trainee-led teaching sessions on Wednesday mornings

Other PDP goals to be addressed in this attachment
Zoe should report 300 CTs and 300 plain films, and attend FRCR part 1 teaching sessions

Please give details of any other goals, not listed above, that will be addressed in this rotation

Supervisor's comments
Supervisor's comments

Attach files

The clinical supervisor's midpoint review

A mid-point meeting during an attachment is not mandatory, but is highly recommended, particularly if either the trainee or clinical supervisor has training concerns. It gives the trainee and clinical supervisor the opportunity to review the PDP and e-portfolio, look at the progress of the trainee so far and highlight areas for future development.

Similar to the clinical supervisor's induction report, the midpoint review can be created by either the trainee or the clinical supervisor. If the trainee starts the form, they will complete section 1 and send this to their clinical supervisor for review. The supervisor can then edit any of the information in section 1 and add comments in section 2. If the supervisor creates the report, they will complete section 1 and there will be no requirement to complete section 2. As before, it is important that the correct specialty is selected in section 1, as the subsequent sections will differ dependent on the specialty selected.

The midpoint review provides the ability to pull through the trainee's previous clinical supervisor reports, so that you can easily see the objectives set in the induction meeting. For this function to work properly the date range entered must cover the date that the induction appraisal was completed. If you find that this data isn't being pulled through correctly you should check that the date that the induction appraisal was created is included in the data range entered in the report.

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Please select the capacity in which you are completing this form *

Completing as a supervisor

Specialty *

Please select the trainee's specialty. Please note RNR trainees should select clinical radiology - nuclear medicine should only be selected if the trainee has a nuclear medicine training number and is registered with the JRCPTB as a nuclear medicine trainee.

Date of meeting *

Clinical supervisor's name *

CR clinical supervisor reports

Choose a Start Date *

1/5/2019

Choose an End Date *

31/8/2020

Generate report

A summary of any clinical supervisor reports in the given date range is shown. Clicking on 'preview' next to any listed report will open that report in a separate window so that you can view the details of this report without navigating away from the midpoint review form.

Clinical supervisor's name *

CR clinical supervisor reports

This report will be stored inside this event with the results as at the time of submission.

Download PDF

Appraisal	Start Date	End Date	Preview
CR clinical supervisor's induction report - for use with 2021 Curriculum	1 Feb, 2022 0:00	1 Feb, 2022 0:00	Preview

Change report inputs

You can also create a summary of the workplace-based assessment (WPBA) that the trainee has completed so far during this attachment, by setting the start date to the date on which the attachment commenced and the end date to the day of the meeting. This can be a useful way of checking that the trainee is spreading their WPBA appropriately throughout the attachment.

WPBA summary report

Select Start Date *

1/8/2020

Select End Date *

31/7/2021

Generate report

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As with the summary of clinical supervisor's reports, clicking on 'preview' next to any given WPBA allows you to review the details of this WPBA in a new window, without navigating away from the midpoint report.

WPBA summary report

This report will be stored inside this event with the results as at the time of submission.

[Download PDF](#)

Assessment type	Count	Date	Assessor's Name	Assessor's Role	Preview
Mini Imaging Interpretation Exercise (Mini-IPX)	Mini Imaging Interpretation Exercise (Mini-IPX)	27 Sep, 2021 21:21	-	-	Preview
	Mini Imaging Interpretation Exercise (Mini-IPX)	27 Sep, 2021 21:18	-	-	Preview
	Mini Imaging Interpretation Exercise (Mini-IPX)	24 Sep, 2021 14:45	-	-	Preview
	Mini Imaging Interpretation Exercise (Mini-IPX)	8 Sep, 2021 19:15	-	-	Preview
	Mini Imaging Interpretation Exercise (Mini-IPX)	10 Aug, 2021 13:41	-	-	Preview
Mini Imaging Interpretation Exercise (Mini-IPX)	5				
Rad-DOPS	Rad-DOPS	28 Sep, 2021 10:03	-	-	Preview
Rad-DOPS	1				

Finally, there is space for the clinical supervisor to record their comments on the trainee's progress so far and recommendations for the remainder of the post. The 'attach files' button at the end of the form allows any supporting documents to be attached to the report.

Supervisor comments

Comments on progress so far ★

Malcolm has reported less CT scans than I would expect for the halfway point in this training block (95, compared with an average of 150 for trainees at this stage), and his mini-IPX show that the quality of his reports are also below the level expected at ST1.

Recommendations for the remainder of this post ★

Malcolm needs to increase both the quality and quantity of his CT reporting and would benefit from using protocols in the CT training manual. This gives a very structured way to report and will help Malcolm to increase his confidence with CT reporting when he is exposed to many different styles and colleagues in the CT reporting room.

[Attach files](#)

If the trainee has created the form, they can populate the clinical supervisor report and WPBA summaries and submit this to their supervisor who can then complete the report by adding their comments. If the supervisor has created the form, the section for supervisor comments will appear automatically.

The report can be completed by clicking on the green 'submit' button that appears at the top, right-hand side of the screen while the report is open. This will send it to the trainee's timeline where it can be viewed by anyone with appropriate access to the trainee's account (e.g. the educational supervisor).

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The clinical supervisor's end of post review

Towards the end of the attachment, the trainee and clinical supervisor should meet again for a final appraisal. They should review the evidence recorded in the e-portfolio during this attachment, including feedback from colleagues who have worked with the trainee, WPBA, and any other assessments made during the attachment. This meeting should be documented using the 'clinical supervisor's end of post review' form in the Kaizen e-portfolio.

The end of post review provides essential information regarding the trainee's progress to the educational supervisor and ARCP panel who will determine whether the trainee is ready to progress into the next stage of training. It is important therefore that this report includes sufficient detail for the educational supervisor and ARCP panel to clearly understand the trainee's performance during this attachment including any outstanding issues that still need to be addressed. If there are significant concerns regarding the trainee, the clinical supervisor should ensure that these are clearly recorded and that the educational supervisor and training programme director (TPD) are informed.

The end of post review begins in the same way as the midpoint review, asking for the same initial information and allowing summaries of previous supervisor reports and WPBAs. As before, it is important that the correct specialty is selected in section 1, as the subsequent sections will differ dependent on the specialty selected. The report can be created by a trainee or a supervisor. If created by a trainee, following the input of this initial information the form will be submitted to the supervisor so that they can complete their feedback on the trainee's progress during this attachment.

The clinical supervisor's feedback begins with overall comments on what the trainee has done well, areas for development, and recommendations for their future training. The detail given in these free text boxes will be essential to help the educational supervisor and ARCP panel understand the trainee's progress.

End of attachment review

What was done well: ★

Zoe's RAD-DOPS show that she has performed GI FL studies to the required level (with indirect supervision) and include excellent comments on her progress. Her mini-IPX for MSK spine and knee studies also show good progress. Zoe has passed the local NG tube plain film test, as well as both the anatomy and physics modules of the part 1 FRCR exam. Zoe has made very good progress on this attachment and showed that she can act on feedback appropriately.

What are the suggested areas for development: ★

Zoe should continue to report as much as possible and ensure that she reads around topics, classifications and protocols to increase her knowledge

Recommendations for future training ★

Zoe should concentrate on general CT in preparation for joining the junior on-call

Following this, there is space to record details of any compliments or commendations that the trainee has received, as well as details of any concerns or investigations. If you select 'no' when asked if you are aware of any commendations/investigations, then no further information is required. If you select 'yes' then text boxes will appear so that you can record further details.

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Compliments/commendations

To your knowledge, has the trainee received any compliments/commendations? ★

Yes ▼

If yes, please provide further detail ★

thank you cards received from patients, positive feedback from medical student teaching

Concerns/investigations

Has the trainee been involved in any conduct, capability, or serious untoward incidents/significant event investigation, or named in any complaint? ★

Yes ▼

If yes, have these been resolved satisfactorily with no remaining concerns about the trainee's fitness to practice or conduct? ★

Yes ▼

Irrespective of outcome, has the trainee reflected on the incident? ★

Yes ▼

Further comments ★

Reflection recorded in e-portfolio

The next section of the end of post review asks supervisors to indicate the level that the trainee has achieved for each of the clinical radiology-specific CiPs and the interventional radiology CiPs for IR trainees. If the trainee is not doing IR, please select N/A for these CiPs. Clinical supervisors are not asked to provide levels for the generic CiPs.

The levels entered on the end of post review should reflect the capabilities demonstrated by the trainee during this attachment, for the special interest area(s) covered. There are links to the ARCP decision aids for CR and IR in the introduction to this section of the report which will allow you to review the minimum expectations for the trainee's stage of training. This opens in a separate window so that you don't need to navigate away from the report.

Overall progress

Please indicate the overall level achieved by the trainee in each of the CiPs/procedures/milestones listed below. You do not need to provide a level for the generic CiPs (1-6), and these are not included below.

Level descriptors:

- [Level 1](#) - Entrusted to observe only - No provision of direct clinical care.
- [Level 2](#) - Entrusted to act with direct supervision - The supervising doctor is physically within the hospital or other site of patient care and is immediately available to provide direct supervision.
- [Level 3](#) - Entrusted to act with indirect/minimal supervision - The supervising doctor is not physically present within the hospital or other site of patient care, but is immediately available by means of telephone and/or electronic media, to provide advice and can attend physically if required to provide direct supervision.
- [Level 4](#) - Entrusted to act unsupervised - The trainee is working independently and at a level equivalent to a consultant.

The minimum level that trainees are expected to reach for each stage of training can be found on the ARCP decision aids for [CR](#) and [IR](#) (click for links).

Progress towards achieving the specialty-specific CiPs:

CiP 7 - Appropriately select and tailor imaging to patient context and the clinical question(s).

Entrustment Level ★

▼

CiP 8 - Provide timely, accurate and clinically useful reports on imaging studies.

Entrustment Level ★

▼



Since the CiPs are high-level, it should be possible to assign a level for the majority of CiPs, however if a CiP does not apply to this attachment you can select N/A. You should select this for the IR CiPs if the trainee is not following the IR subspecialty curriculum.

Progress towards achieving the interventional radiology CiPs:

CiP 13 - Clinically manage all patients undergoing interventional radiology procedures under their care.

Entrustment Level ★

N/A

Level 1 - Entrusted to observe only
Level 2 - Entrusted to act with direct supervision
Level 3 - Entrusted to act with indirect supervision
Level 4 - Entrusted to act independently
N/A

Entrustment Level ★

You will then be asked to select the procedures and milestones that the trainee covered during this attachment and to indicate the entrustment level that the trainee has achieved for each of these.

Progress towards procedures/milestones:

Which procedures/milestones did the trainee address in this attachment? ★

Image guided biopsy ✕ Image guided drainage ✕

Image guided biopsy

Entrustment Level ★

Level 1 - Entrusted to observe only
Level 2 - Entrusted to act with direct supervision
Level 3 - Entrusted to act with indirect supervision
Level 4 - Entrusted to act independently
N/A

The educational supervisor will take an overview of the trainee's progress across attachments and special interest areas to determine the overall level that the trainee has reached for each CiP and milestone over the course of their training year.

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The end of post review finishes with a section for any final comments and a question that asks if you have any concerns about the trainee's progress. It is important that any concerns are recorded and raised with the educational supervisor and TPD. Such concerns need not imply any failure or deficiency on the part of the trainee; they could relate to circumstances out of the trainee's control that have nonetheless impacted on their progress (such as illness or COVID-19 redeployment for example). Any additional evidence relating to any part of the report can be added by using the 'attach files' button at the end of the form.

Final comments

Do you have any further comments on the trainee's progress towards achieving the CIPs?

Malcolm has made steady progression throughout this attachment

Do you have any concerns about the trainee's progress? ★

Yes

Note: these concerns may be external factors (e.g. training missed due to COVID-19) and do not necessarily imply any fault on the part of the trainee.

If yes, please provide further detail ★

The main concern is around volume of reports. this has improved, but Malcolm can progress further by reporting as many studies as possible to gain experience and confidence.

Attach files

The report can be completed by clicking on the green 'submit' button that appears at the top, right-hand side of the screen while the report is open. This will send it to the trainee's timeline where it can be viewed by anyone with appropriate access to the trainee's account (e.g. the educational supervisor).

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New CR clinical supervisor's end of post review - for ...

Submit Save as draft

Progress towards procedures/milestones:

Which procedures/milestones did the trainee address in this attachment? ★

Which procedures/milestones did the trainee address in this attachment?

Final comments

Do you have any further comments on the trainee's progress towards achieving the CIPs?

Do you have any concerns about the trainee's progress? ★

Note: these concerns may be external factors (e.g. training missed due to COVID-19) and do not necessarily imply any fault on the part of the trainee.

Attach files

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Useful resources for clinical supervisors

- The RCR's [curriculum webpages](#) contain several useful documents to support clinical supervisors, including ARCP decision aids, a guide to entrustment levels and guides for individual WPBA, which can all be found in the '[assessment](#)' section.
- The '[Gold Guide](#)' (also known as 'A Reference Guide for Postgraduate Foundation and Specialty Training in the UK') sets out the arrangements agreed by the four UK health departments for specialty training programmes. It includes requirements for supervision and appraisal of trainees.
- Clinical supervisors are required to be specifically trained for this role and recognised in line with the GMC's '[Recognition and Approval of Trainers](#)' requirements.
- The RCR [provides workshops](#) that have been designed to allow supervisors to develop the required capabilities for GMC recognition as a clinical supervisor. These include an introductory supervisor skills course and a course focusing on the specific skills required to support trainees in difficulty.
- The GMC use the Academy of Medical Educators' [Professional standards for medical, dental and veterinary educators \(2014\)](#) as the criteria against which all trainers in recognised roles must provide evidence of their ongoing professional development. These standards have since been updated and although the GMC continues to use the 2014 edition for approval and recognition of trainers, the [updated standards](#) are also a useful resource for clinical supervisors.
- In collaboration with the University of Dundee, the RCR has developed a [postgraduate certificate in medical education](#). The PgCert for radiology is designed for trainee and consultant radiologists with an interest in developing their careers in medical education.