

**EUROPEAN TRAINING ASSESSMENT PROGRAMME
CENTRE SUBMISSION OF YOUR TRAINING PROGRAMME**

To be completed by the Head of Training

1 BACKGROUND INFORMATION

1.1 Complete name of the Hospital to which the Radiology training department belongs:

1.2 Population served:

1.3 Type of hospital (University Hospital, General Hospital, Specialist Hospital, Other):

Total number of beds:

Number of acute beds:

Head of Training:

1.4 Medical School to which centre is affiliated:

1.5 Radiological staff in medical school associated with training centre if different from above (please insert names of all relevant staff):

Name:

Post:

Base:

Clinical interests:

1.6 Department of Radiology:

Telephone number:

Fax number (optional):

Chair:

Details of radiological staff (please provide the following details for all specialist radiologists from all hospitals that are part of the training programme):

Name of staff radiologist:

Special interest(s):

Name of staff radiologist:

Special interest(s):

Name of staff radiologist:

Special interest(s):

Name of staff radiologist:

**SAMPLE
NOT TO BE FILLED**

Special interest(s):

Name of staff radiologist:
Special interest(s):

Name of staff radiologist:
Special interest(s):

Name of staff radiologist:
Special interest(s):

1.7 Is the Nuclear Medicine Department an associate department?

If the Nuclear Medicine department is within the radiology department, the staff information should be included in the above section. If so the Nuclear Medicine Department is as associate department (please give details of number of staff and contribution to training)

Associated departments or other training centres in which the training is provided. Please give details of number of staff and contribution to training:

1.8 Other hospitals/hospital departments/private practices for which *this* department provides a service (send appendix, if appropriate, to etap@myebr.org)

1.9 Junior Radiologists/Residents Representative:

1.10 How is the selection of residents done in your centre? Is the centre responsible of selecting the residents? Based on an exam? Based on an interview? Or national based? Please explain the procedure in your centre for the selection.

2 COMMITTEE STRUCTURE

2.1 Composition of the management committee for the training centre, if such a committee exists (duplicate as appropriate):

Chair:

Members:

Junior Representatives:

Post: Head of the training programme of the Hospital

Name:

Role:

Hospital:

(duplicate as appropriate)

2.2 Name of study leave co-ordinator(s):

2.3 Name of research co-ordinator(s):

2.4 Other co-ordinator(s):

(please list names and roles of other major individuals contributing to radiology training not already listed above):

3 DETAILS OF RESIDENTS

3.1 List names and year of training of all trainees currently registered with your training centre as a whole:

What is your total resident establishment?

Residents in national programme:

Residents in special fellowships:

Residents only undertaking research:

Honorary residents from overseas:

Others:

3.2 Deployment of residents:

Please give an overall plan in tabular form of how your residents are deployed within the centre:

Name of hospital	Number in year 1	Number in year 2	Number in year 3	Number in year 4	Number in year 5

4 STRUCTURE AND MANAGEMENT OF THE PROGRAMME

a) Management Structure

4.1. How is the training programme managed at your centre?

Describe how you undertake the following:

- Trainees/trainer appraisal,
- Log book supervision,
- Counselling arrangements.

4.2. Does the centre have a process of external assessment or peer review of training?

4.3. Does the training centre have a written curriculum?

4.3.1. Is the written curriculum provided to the trainees at the beginning of training?

4.3.2. Is the curriculum compatible with the core national radiology curriculum?

4.3.3. Does the curriculum match the ESR's European Training Curriculum for Radiology number of training years?

If not, indicate the number of years of the training programme

4.3.4. Does the training programme match the ESR's 3+2 concept?

If not, indicate the programme used

4.3.5. Does the curriculum lists the educational goals and objectives of the programme with respect to knowledge, skills and competences of residents at each level of training and for each major training task?

Please specify the educational goals of your programme in these three aspects.

4.4. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of radiation physics during the first three years?

4.4.1. Is there a specific training course in physics?

4.4.2. How many hours of training in physics are provided to trainees?

4.4.3. Is the physics department responsible for the training?

4.4.4. Do trainees have to pass an exam and get a certification after the physics training?

4.5. Based on the curriculum, is it possible for trainees to acquire a satisfactory knowledge of the physical basis of image formation in all imaging techniques during the first three years?

4.5.1. Does the programme provide training in physics for the different modalities?

4.5.2. If, yes how many hours of training?

4.6. With the help of the curriculum, is it possible for trainees to acquire a detailed knowledge of normal imaging anatomy in the early stages of training?

4.7. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of quality control, management and leadership during the first three years?

4.7.1. Do trainees have a specific teaching in quality, management and leadership?

4.7.2. If yes, how many hours?

4.8. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of picture archiving and communication during the first three years?

4.8.1. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of radiation biology during the first three years?

4.9. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of radiation protection during the first three years?

4.9.1. Do the trainees have a specific course on radiation protection?

4.9.1.1. If yes, how many hours?

4.9.2 Does your centre follow/ accepted the recommendations laid down in the Radiation Protection 175 document?

4.10. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of the principles of molecular medicine with regard to imaging during the first three years?

4.10.1 If yes, please specify the training period:

4.11. Does the curriculum ensure that trainees gain knowledge of pharmacology, the application of contrast media, and the treatment of adverse reactions within the first three years?

4.11.1 Does the programme provide safety courses?

4.11.2 If yes, how many hours?

4.12. With the help of the curriculum, is it possible for trainees to acquire a satisfactory knowledge of the fundamentals of clinical research and evidence-based medicine during the first three years?

4.12.1 Does the programme provide research courses?

4.12.2 If yes, how many hours?

4.13. Does the training centre provide good clinical competence in radiology training as promoted in the European Training Curriculum for Radiology?

4.14. With the help of the curriculum, is it possible for trainees to acquire a basic understanding of computer science in the early stages of training?

4.15. Does the department have ready access to anatomy, biochemistry, statistics, physics and pathology qualified departments?

4.15.1 Does the programme provide statistics courses?

4.15.2 If yes, how many hours?

4.16. Is the spectrum of patient and investigative material available during training in the department sufficient to enable the trainee to gain experience in all fields of general radiology?

4.17. Does the curriculum provide a special course in emergency radiology during the early stages of training?

4.17.1. If yes, how many weeks?

4.18. Are the residents trained in the identification and communication of urgent and unexpected findings?

4.18.1. If yes, how many hours does the training last?

4.19. Does the training centre emphasise the role of the radiologist in communicating with patients and families?

4.20. Does the training centre emphasise the role of the radiologist as a member of the clinical team and in collaborating with specialists from other disciplines in the treatment of patients?

4.21. Is the training centre involved in multidisciplinary and clinic-radiological conferences where the trainees improve their medical and decision-making skills?

4.21.1. Please specify the role of trainees in these conferences

Attendant Assistant Active preparation

4.22. With the help of the curriculum, is it possible for trainees to gain an in-depth insight into at least two subspecialties during the fourth and fifth years?

4.23. Does the curriculum provide an organ system-based organisation of rotations, as laid down in the ESR European Training Curriculum, during the fourth and fifth years of training?

4.24. Does the curriculum provide trainees with lifelong learning skills?

4.25. Does the curriculum include a structured and continuous professional development programme?

4.26. Does the training centre use a logbook of activities during training?

If not, please specify the model used to check the trainees activities

4.27. Are all the competencies achieved and examinations performed by residents recorded?

4.28. Does the programme provide a rotation in radionuclide imaging/nuclear medicine?

4.28.1 Is the rotation provided in the same hospital? In a different hospital?

4.28.2. Indicate the period of rotation

4.29. Does the programme offer one-to-one apprenticeship relations with the faculty?

4.30. Is a local tutor, with direct responsibility for in-house training, appointed to ensure that the curriculum will be followed by trainees?

4.30.1. If yes, does the tutor have regular interviews with the trainees?

4.30.2. If yes, how often?

4.31. Does the training centre have a trainee assessment system that takes place at regular intervals?

4.31.1. Does the training centre take into account logbooks in assessment?

If yes, please indicate how the logbook of trainees is monitored.

4.31.2. Do the assessments cover clinical and technical competencies, including interpersonal skills and suitability as a clinically active doctor?

4.31.3. As part of the assessment process, are the trainees given an opportunity to share their own observations on training facilities and teaching personnel on a confidential basis?

4.32. Does the training centre have an objective measurement such as written exam of achieved standard at the end of training?

b) Training of the trainers

Which qualifications do the trainers / teachers of the residents have?

Which continuing education do the trainers / teachers undergo:

- regarding continuing medical education?
- regarding soft skills?
- Other:

4.33. Is the number of qualified radiologists with teaching functions in the department sufficient to fulfil all the needs of teaching in each major subspecialty area?

4.33.1. Please indicate the number of residents and number of staff personnel in each of the areas

4.33.2. Does the training centre have the resources to provide modular subspecialty training outside the hospital without special teaching staff?

4.33.3. Does the training centre encourage the teaching staff to attend teacher-targeted training courses?

5 DELIVERY OF TRAINING

a) Training details

We require information of training programmes through the years as indicated by the following headings ((i)-(v)). Please use a combination of free text and tables as you feel appropriate (if you use tables and plans, please send them to etap@myebr.org).

- (i) General work plan/hospital rotations (with a brief introductory overview); please also identify any rotation which is specific to a particular year of training.
- (ii) - Subspecialty training options (as defined in the ESR Training European Curriculum) including secondments to other programmes
- (iii) - Training in: research, audit, computing skills, health care management
- (iv) - Study sessions available to trainees
- (v) - On-call arrangements – including specialist supervision

5.1. Does the training centre have an orientation programme at the beginning of the training programme?

5.1.1. Are all the rotations organ system-based?

5.2. Does the programme contain a mixture of didactic lectures, tutorials and seminars?

5.2.1. Number of didactic lectures/ seminars/tutorials.

5.3. Does the training centre give trainees responsibility (on-call rotation) in emergency service before the end of the first year of training?

5.4. Do trainees have the opportunity to become involved in the radiological examination and diagnosis of patients presenting in the emergency department?

5.5. Does the training centre supervise all reporting through check-ups or double reading of trainees' initial reports?

5.5.1. Please indicate the responsibilities of the trainees for each of the years and how the supervision is provided by the staff at the emergency service

5.6. Does the training centre encourage trainees to attend external courses and scientific congresses?

5.6.1 If yes, how many courses?

5.7. Does the training centre encourage trainees to attend a minimum of two international and five national congresses or courses throughout the five years?

5.8. Does the programme promote the presentation of original research at scientific meetings?

5.9. Does the training centre ensure that outside meeting participation is logged and recorded on an annual basis?

5.10. Does the training centre conduct the assessment programme with radiologists who are not

directly involved with the programme under evaluation?

5.11. Does the training centre have regular assessments of educational activities on a yearly basis?

5.11.1. If yes, is the assessment process coordinated through a national society or training body?

5.11.2. Please indicate the name of the national society or training body.

b) Documentation of the delivery of the curriculum:

How is the delivery of the curriculum documented? :

Do you use a portfolio of training or other tools? Please describe.

Do the residents have a logbook of their training? How are achieved goals documented?

6 ASSESSMENT OF TRAINING

a) Summative assessment exams

Please briefly describe the exams your residents take in order to achieve board certification in radiology:

Name of exam (e.g. final exam)	Time the residents are eligible to take the exam (e.g. after 5 years of training)	Assessing institution (e.g. National Society)	Type of exam (e.g. oral exam, written exam)

b) Continual formative assessment

Is continual formative assessment performed in your training programme?

Do you use Workplace Based Assessment (WpBA) tools in your training environment?

How often are these tools employed in your training programme?

7 RADIOLOGY FACILITIES/RESOURCES

**a) Work resources for the trainees:
Briefly describe the work resources for the trainees:**

- Access to textbooks while reporting:

b) Teaching resources for the trainees:

- Private study space and study sessions:
- Radiology book library:
- Case library/database:
- Teaching aids (PC, CD-ROM etc):
- Clinical support (secretarial etc):

7.1. Reading facilities and teaching materials

7.1.1. Does the training centre have a room suitable for meetings and conferences?

If yes, how many rooms?

7.1.2. Does the training centre have access to quiet reading areas with computers and internet access for the trainees within the department?

7.1.3. Does the training centre have audio-visual equipment in the radiology department, sufficient to enable the implementation of the teaching programme?

7.1.4. Does the training centre have an adequate supply of teaching materials including textbooks, journals and e-learning material?

7.1.5. Does the training centre provide teaching facilities including access to online medical publications and teaching aids (including [EURORAD](#), [Education On Demand](#), etc.)?

7.1.6. Does the training centre have the computer technology for teaching, research purposes, image processing and communication?

7.2. Equipment

7.2.12.1 Please complete the following equipment table:

MRI		
Date of acquisition:		
Brand:		
Model:		
Type of studies performed:	Yes	No
-Neuro		
-Spine		
-Musculoskeletal		
-Abdomen		
-GU		

-Cardiac		
-AngioMR		
-Perfusion		
-Spectroscopy		
-DTI		
-Functional bold imaging		
-Arthrography		
-Biopsy MR guided		
-MR enterography		
-PET-MRI		

Mammography		
Date of acquisition:		
Brand:		
Model:		
Type of studies performed	Yes	No
-Mammogram		
-Ultrasound		
-Fine needle aspiration		
-Biopsy ultrasound-guided		
-Biopsy MR guided		
-Tomosynthesis		
-Quality assurance in screening		

CT		
Date of acquisition:		
Brand:		
Model:		
Type of studies performed:	Yes	No
-Neuro		
-Spine		
-Musculoskeletal		
-Abdomen		
-GU		
-Cardiac		
-AngioCTv		
-Biopsy under CT guidance		
-Radiofrequency treatment		
-Other interventional procedures		
-Arthrography		
-CT enterography		
-CT colonoscopy		
-PET-CT		
-SPEC-CT		
-CB-CT		
-Radiation reduction systems		

Ultrasound		
Date of acquisition:		
Brand:		

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Model:		
Type of studies performed	Yes	No
-Neonatal brain		
-Thyroid		
-Neck		
-Chest		
-Abdomen		
-GU		
-Musculoskeletal		
-Vascular		
-Biopsy under ultrasound guidance		
-Radiofrequency treatment		
-Other interventional procedures		

Interventional radiology		
Date of acquisition:		
Brand:		
Model:		
Type of studies performed:	Yes	No
-Diagnostic angiography		
-Stroke treatment		
-Vertebroplasty		
-Aneurysm treatment		
-Vascular malformations treatment		
-Biliary procedures		
-TACE		
-Dialysis fistula		
-Angioplasty		
-Stent placement		
-Tumor embolization		
-Pulmonary arteries and bronchial procedures		
-Oesophageal and rectal stenosis treatment		

xRay		
Date of acquisition:		
Brand:		
Model:		
Type of studies performed:	Yes	No
-Plain xRay		
-Barium enema		
-Double contrast upper gastrointestinal study		
-Enteroclysis		
-IVP		
-Hysterosalpingography		
-Cistography		

SAMPLE NOT TO BE FILLED

8 DELIVERY OF EDUCATION

Lecture/tutorial programmes

(please send published programmes and other relevant material to etap@myebr.org)

a) Residents’ study leave and attendance of courses:

- 1) Describe your study leave policy, i.e. who co-ordinates and approves
 - (i) study leave,
 - (ii) the courses attended.
 - (iii) the funding arrangements.

- 2) Provide examples of the courses attended by the residents during the last 12 months. Provide as well the website of the course or congress:

9 RESEARCH

- Are there research facilities available to trainees in your centre?:
- Identify research opportunities for trainees in your hospital:
- Define the arrangements for supervision of research:
- Which arrangements are in place for funding of projects?
- Please briefly identify all projects completed and/or submitted for publication with trainee involvement from your department in the last two years. Please provide URL, if available:

9.1. Does the training centre have an active and ongoing research programme at the training department?

9.2 Do the residents participate in PhD programmes during their residency?

If yes, could you cite the publications in which the residents were involved?

9.2.2. Indicate the number of ongoing research projects the department is involved in:

10 WORKLOAD AND TRAINING

(Here we ask you to give a profile of the case-mix and workload in order to assess the appropriateness for training purposes.)

10a. Overall assessment of departmental workload

Please indicate the number of examinations (without decimal point or comma) in each of the following:

	Patient Exams per year
Plain Films	

General	
Emergency	
	Patient Exams per year
General Fluoroscopy (Bariums, cystograms, etc.)	
Computed Tomography	
Head/ENT	
Body	
Other	
Magnetic Resonance	
Neuro	
Cardiovascular	
Musculoskeletal	
Body	
Other	
Vascular/Interventional	
Vascular Diagnostic	
Vascular Interventional	
Non-vascular interventional	
Other	
Ultrasound	
General	
Obstetric	
Vascular	
Cardiac	
Musculoskeletal	
Other	
Radionuclide Radiology	
Breast Imaging	
Paediatrics	

SAMPLE NOT TO BE FILLED

10.b Subspecialty training opportunities

Are there subspecialty training opportunities (as defined in the ESR Curriculum) in your department?

If yes, please list the subspecialty training opportunities:

10.c Please list the clinico-radiological meetings with trainee participation:

10.d Audit

- Audit projects completed by trainees in the last year

Action taken as a result of the completed audit project:

- Supervision of trainees (for audit)
- Did your center implemented EURATOM 2013/59?

Did your center implemented Quality Improvement Quality Assurance Audit for Diagnostic Radiology Improvement and Learning (QUAADRIL).

10.e Management

Are the trainees involved in management in the department?

- If yes, describe involvement of trainees in department management:
- If yes, define which formal training in management is provided for trainees:

11 SELF- ANALYSIS OF RADIOLOGY DEPARTMENT

The department is invited to detail its strengths and weaknesses in this section. This self-analysis is intended to form the basis of discussions with the assessors during the interviews.

12 ADDITIONAL INFORMATION**12.1 European Diploma in Radiology (EDiR)**

12.1.a Are you aware of the European Diploma in Radiology (EDiR)?

12.1.b Does the centre encourage the trainees participation in EDiR through scholarships/grants?

12.1.c Have any of your residents or former residents taken the European Diploma in Radiology?