

PROFESSIONSHØJSKOLEN

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Reporting Radiographers

A development projekt – innovation and co-operation between the Department of Radiology and Metropolitan University College, Faculty of Radiography

Presentation of two projects!



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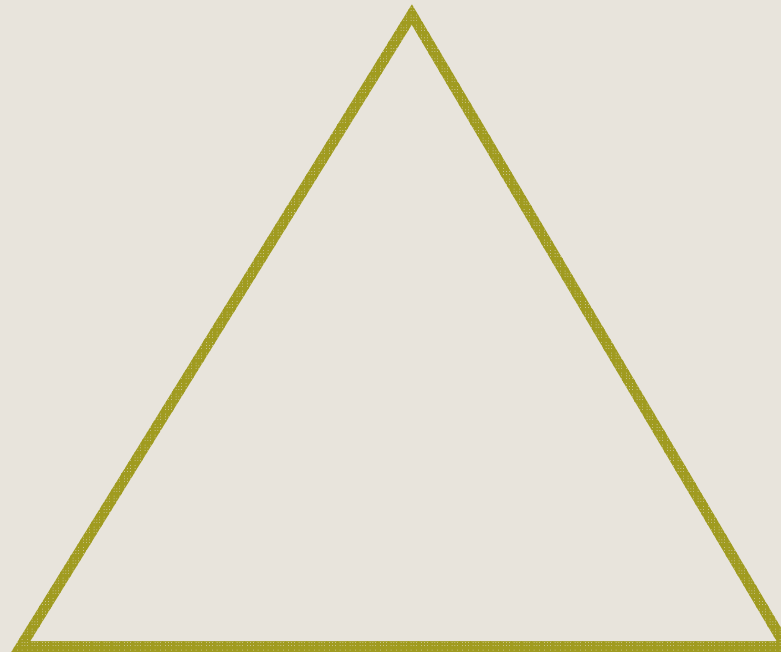
Røntgenafdelingen
BISPEBJERG HOSPITAL

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Practice

Education

Research



Why Reporting Radiographers?

- The increasing need for diagnostic resources in Radiology
- Two professional groups
- The existence of untapped resources and competence in the radiography profession

Loughran, C.F. *The British Journal of Radiology* (1994), Robinson et al. *The British Journal of Radiology* (1999)
McConnell, J.R. & Webster, A.J. *The British Journal of Radiology* (2000), Møller, J. M. et al. *Academic Radiology* (2004)
Brealey, S. et al. *Clinical Radiology*. (2006), Blakeley, C et al. *Radiologic technology*. (2008)

Pilot project

- Co-operation between the Department of Radiology and Metropolitan University College, Faculty of Radiography (2006 -2009)

Purpose:

- To raise the quality of radiographer performance through an analytical and diagnosis-orientated approach to radiological investigations of orthopaedic cases.
- To produce an evidence based foundation for the future implementation of new procedures to radiology departments with a view to introducing the reporting of radiological examinations by radiographers.
- To investigate the use of education in the work place?

Metode

- Base-line measurement
- Questionnaire
- Educational intervention
 - Literature
 - E-learning
 - Workshops
- Final measurement
- Final questionnaire

1

Beskrive billeder

Beskrivelse

Colles fraktur

Normalt vil radius ligge længere nede end ulna, men i dette tilfælde ligger radius højere oppe, man vil derfor sige at **radius er let forkortet**




V - 90 = dorsal vinkling

Distal radius fraktur, komminut med let forkortning og dorsal vinkling

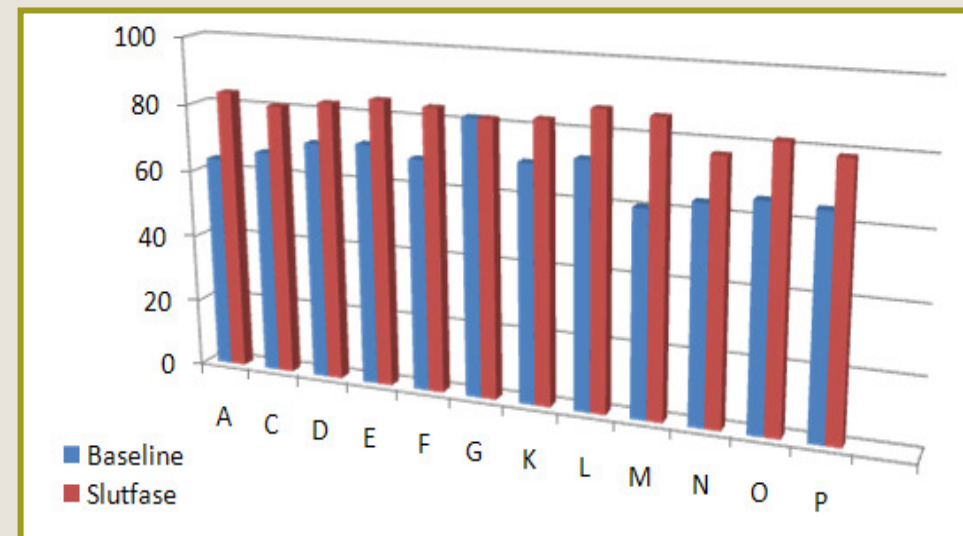
Fortsættes...

Beskrive
Vurdering
Fraktur
Typer
Heling

Results

	Base-line	Final	
Accuracy	89,7 % (77,6 - 96,0) p = 0,000	91,9 % (85,9 - 96,0) p = 0,431	

- Development of Competence
- Increase in Inter-professional Understanding



Conclusions - sample

- Experience/time-of-service plays a role at the beginning of a course of education.
- Loose structure in the education course is not desirable – more formalized teaching is preferred!
- Workshops are useful learning methods.
- It is obvious that inter-professional cultural issues need to be addressed.
- Development of common understanding is desirable

- **It is important and meaningful to develop post-graduate education.**

Post-graduate education (course)

Purpose:

- The postgraduate course shall qualify students to evaluate, judge and diagnose investigations of the appendicular and/or the axial skeleton with a wide range of patient groups and disease conditions.
- To qualify students to perform as reporting radiographers and to function in interdisciplinary contexts.
- To train radiographers in the area of orthopaedics, which can enhance the professional standards of practice and contribute to quality improvement in practice.

Course structure

- Comprises 45 ECTS – consists of 3 modules.
- Module 1 and 2 are continuous and can be completed after 30 ECTS.
- Offered as a part-time study (total of 1½ year)
- Alternating between theory seminars and clinical practice in the student's own workplace.
- A minimum of 1000 investigations of the peripheral skeleton and 500 of the axial skeleton must be reported and documented in a portfolio.

Distribution of ECTS points			
	Theory	Clinic	Total
Module 1 Image understanding and interpretation	10	0	10
Module 2 The appendiculære skeleton	10	10	20
COMPLETE	20	10	30
Module 3 The axiale skeleton	5	10	15
COMPLETE	25	20	45

Theoretical Subjects

- High professional standards combined with knowledge about image quality, applied technology and quality assurance are focus area of this course.
- The course also contains aspects relating to inter-professional collaboration and professional development.
- Contains 7 subjects

Theory – distribution of ECTS (25 ECTS)	
Anatomy og Physiology	4
Pathology	5
Radiology	8
Radiographic image formation	3
Theory of Science and Research Methods	2
Quality Development and Control	2
Professional Practice and development	1
Total	25

Clinical Organization

- The educational institution approves individual clinical departments based on organizational and quality requirements for good clinical education.

A local description is the foundation for approval. These requirements shall ensure that clinical places of training constitute an arena, where the student is offered good and supportive possibilities for learning.

One important criteria for approval:

- The department should appoint a competent professional and committed radiologist as an individual clinical supervisor for the student.

1. Cohort (start sept. 09)

12 radiographers participates in the initial project.

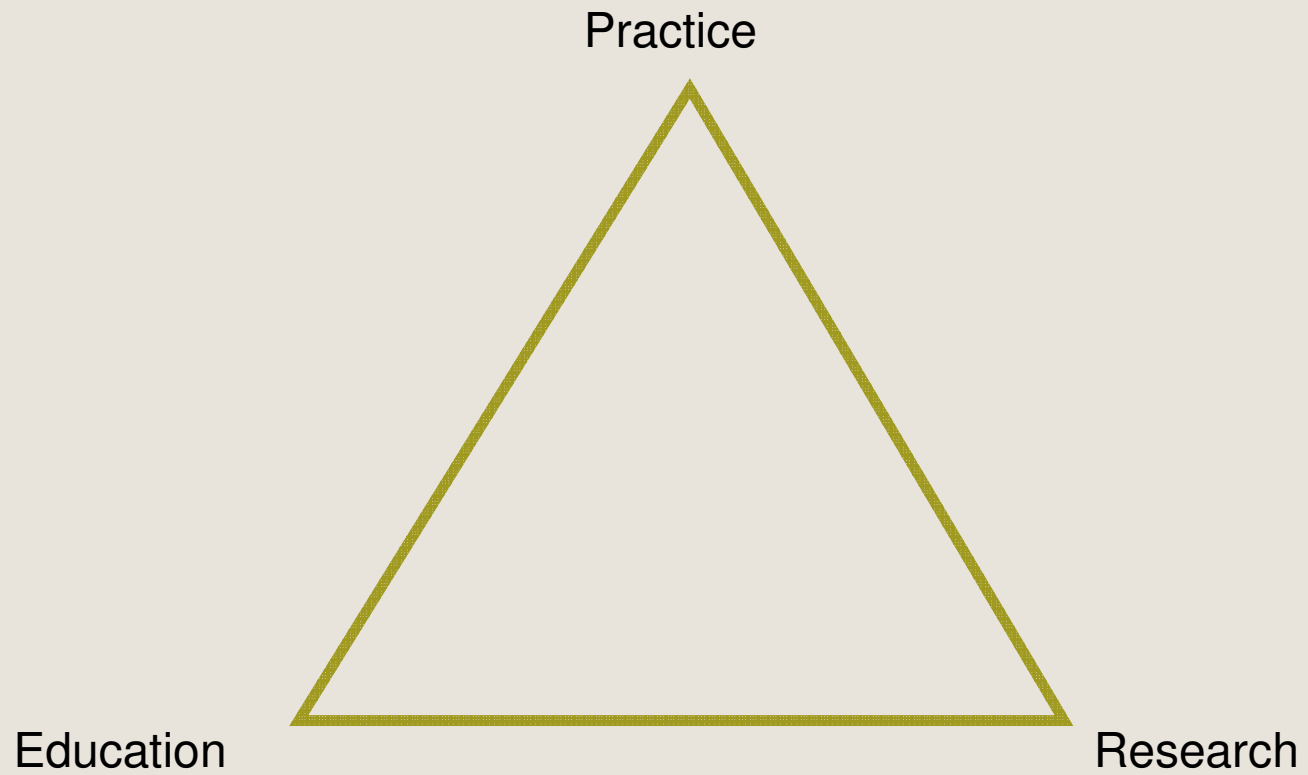
Experience:

- Teachers
- Engagement and motivation of the radiographers
- Cultural changes



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