Course Specifications
Valid as from the academic year 2017-2018

Advances in Radiology, Part 2 (D002768)

<table>
<thead>
<tr>
<th>Course size</th>
<th>(nominal values; actual values may depend on programme)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credits</td>
<td>6.0</td>
</tr>
<tr>
<td>Study time</td>
<td>150 h</td>
</tr>
<tr>
<td>Contact hrs</td>
<td>60.0 h</td>
</tr>
</tbody>
</table>

Lecturers in academic year 2019-2020

<table>
<thead>
<tr>
<th>Lecturer</th>
<th>Programme</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verstraete, Koenraad</td>
<td>GE32</td>
<td>lecturer-in-charge</td>
</tr>
<tr>
<td>Achten, Eric</td>
<td>GE32</td>
<td>co-lecturer</td>
</tr>
<tr>
<td>Defreyne, Luc</td>
<td>GE32</td>
<td>co-lecturer</td>
</tr>
<tr>
<td>Dierckx, Rudi</td>
<td>GE32</td>
<td>co-lecturer</td>
</tr>
<tr>
<td>Van De Wiele, Christophe</td>
<td>GE32</td>
<td>co-lecturer</td>
</tr>
<tr>
<td>Villeirs, Geert</td>
<td>GE32</td>
<td>co-lecturer</td>
</tr>
</tbody>
</table>

Offered in the following programmes in 2019-2020

<table>
<thead>
<tr>
<th>Programme</th>
<th>Credits</th>
<th>Offering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine in Specialist Medicine (main subject Radiology)</td>
<td>6</td>
<td>A</td>
</tr>
</tbody>
</table>

Teaching languages

Keywords
Radiology; radiography; radioscopy; CT-scan; ultrasound; Magnetic Resonance imaging; positron-emission tomography; medical imaging; angiography; interventional radiology

Position of the course
Dit opleidingsonderdeel draagt bij tot het continueren van het verwerven van meer gespecialiseerde medische kennis, het verder ontwikkelen van probleemoplossend vermogen en het toepassen ervan in de praktijk.

Contents
The trainee gains basic knowledge in a broad number of fields within the speciality necessary for the applications in practice. The content that will be dealt with, is related to the learning outcomes. The trainee functions with increasing independency in an environment of increasing complexity that is evidence based. The ASO will have the opportunity, prone to a number of conditions, to gain more experience within a radiological subspecialism. Topics:

Initial competences

Having successfully completed the course “Advances in radiology, part 1”

Final competences
1. Continuing the acquisition of a more specialized and in-depth knowledge in the field of speciality.
2. Applying the acquired scientific knowledge and methodology in the field of the speciality (scientific attitude of patient care).
3. Functioning as an expert for external advice (for family doctors and specialists) based on the acquired expertise.
4. Working on the enhancement of the quality of the speciality.

Conditions for credit contract
Access to this course unit via a credit contract is determined after successful competences assessment.

(Approved)
This course unit cannot be taken via an exam contract

Teaching methods
Lecture

Learning materials and price
Postgraduate Radiology of Flemish universities - Selection of articles from Radiological journals (Radiology, European Radiology, European Journal of Radiology, American Journal of Radiology, Clinical Radiology, ...) - E-learning via electronic learning platform

Recommended textbooks:
- Computed body tomography with MRI correlation 4/e Lee J.K., Sagel S.S., Stanley R. J., Heiken J.P. Lippincott Williams & Wilkins 2005 isbn 0.7817.4526.8
- Diagnostic imaging: abdomen Federle M. W.B. Saunders Company 2004 isbn 1.4160.2541.3
- Practical guide to abdominal and pelvic MRI Leyendecker J.R. Publication Date: 2004
- Magnetic resonance imaging of the brain and spine 4th edition Atlas SW Lippincott/Williams & Wilkins 2008 isbn 9780781769853
- High-resolution CT of the lung 3 Webb W.R. Lippincott Williams & Wilkins 2001 isbn 0.7817.2278.0
- Musculoskeletal MRI, Kaplan Helms,Dussault, W.B.Saunders, 2001
- Ultrasound of the musculoskeletal System(Medical Radiology/Diagnostic Imaging) Stefano Bianchi, Carlo Martinoli Springer Verlag The core curriculum: pediatric imaging (the core curriculum series) Lippincott/Williams & Wilkins 2005 Isbn: 9.7807.8175.9809
- Head and neck imaging: a teaching file Mancuso A.A. Lippincott Williams & Wilkins 2002 isbn 0.683.30144.6
- Doppler ultrasound: principles and instruments 2/e Kremkau F. W.B. Saunders Company 1995 isbn: 0.721.64869.
- X Diagnostic angiography Kadir S. W.B. Saunders Company 1986 isbn: 0.7216.1055.2
- Diagnostic breast imaging 2/e Heywang-Köbrunner S.H. Thieme Verlag 2001 isbn 3.13.102892.0
- MRI in practice 3/e Westbrook C. Blackwell Publish - 2005 isbn 1.4051.2787.2

References

Course content-related study coaching
Consultation of lecturer (appointment or via email)
E-learning via Zephyr electronic teaching platform

Evaluation methods
end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period
Written examination with open questions, oral examination, portfolio

Examination methods in case of periodic evaluation during the second examination period
Written examination with open questions, oral examination, portfolio

Examination methods in case of permanent evaluation
Portfolio, participation

Possibilities of retake in case of permanent evaluation
not applicable

Calculation of the examination mark
The final evaluation takes place at the end of the training
A “pass” / “fail” result is given.

(Approved)