Course Specifications

Valid as from the academic year 2018-2019

Scientific Research in Internal Medicine, Part 2 (D002716)

Course size (nominal values; actual values may depend on programme)

Credits 6.0 Study time 150 h Contact hrs 70.0 h

Course offerings and teaching methods in academic year 2019-2020

Lecturers in academic year 2019-2020

T’Sjoen, Guy GE35 lecturer-in-charge

Offered in the following programmes in 2019-2020

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<th>Programme</th>
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<td>Master of Medicine in Specialist Medicine (main subject Internal Medicine)</td>
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Teaching languages

Keywords

Internal medicine

Position of the course

The trainee has to increase his / her medical knowledge and understanding (including integration of elements from the basic sciences) about all aspects of the specialty by scientific methodology.

Contents

Study and interpretation of clinical scientific research with regard to syndromes that are seen during the residency and are related with the learning outcomes. The trainee functions with increasing independency in an environment of increasing complexity that is evidence based.

Non-exhaustive list of possible activities:

- Scientific research in
  - Cardiology
  - Endocrinology/Diabetes
  - Gastro-enterology
  - Geriatrics
  - Hematology
  - Infectious diseases
  - Pulmonary disease
  - Nephrology
- Detailed knowledge of Immunology
- Detailed knowledge of Neurobiology
- Detailed knowledge of Cancerbiology
- Detailed knowledge of Vascular biology
- Detailed knowledge of Stemcell biology and regenerative medicine
- Detailed knowledge of Pathophysiology
- Detailed knowledge of Metabolic pathophysiology, Statistics and implementation of clinical studies
- Detailed knowledge of ECG
- I@home activities

Initial competences


Having successfully completed the course “Scientific research in internal medicine, part 1”
Final competences

1. Acquiring specialized knowledge in order to deepening of the roles physician, scientist, communicator and manager.
2. Developing an scientific attitude by active participation in scientific activities of the speciality.
3. 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.

Conditions for exam contract
This course unit cannot be taken via an exam contract.

Teaching methods
Excursion, lecture

Extra information on the teaching methods
The trainee chooses from the activities listed under ‘contents’. Every activity includes 5-10h of lectures and 30h self-study. One should make a choice among at least 15h lectures and 60h self-study. In addition, the trainee can add attendance to:
- seminars
- symposia
- meetings of scientific associations
- postgraduate internal medicine
- postgraduate courses typical for chosen speciality

Learning materials and price
Notes during lectures, reference papers, reference books, e-learning, educational books of international symposia.

References

Course content-related study coaching
Consultation of lecturer (appointment or via email)

Evaluation methods
continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Examination methods in case of periodic evaluation during the second examination period

Examination methods in case of permanent evaluation

Portfolio

Possibilities of retake in case of permanent evaluation
examination during the second examination period is possible

Extra information on the examination methods
If the trainee has not followed at least 14 h accredited activities during each of the last two years of the residency or if these activities are not archived in the portfolio, the trainee can not be evaluated for the course “Scientific research in internal medicine, part 2”.
1 hour followed I@home activity is equivalent to 1 accreditation point.

Calculation of the examination mark
In order to successfully complete this course at least 28 h accredited activities (14 h accredited activities followed during year 4 of the residency + 14 h accredited activities followed during year 5 of the residency) have to be archived in the portfolio. Subsequently, a “pass” / “fail” result is given.

(Approved)