

Advances in Anaesthesia and Resuscitation, Part 1 (D002462)

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

Credits 6.0

Study time 150 h

Course offerings and teaching methods in academic year 2024-2025

A (Year)

Dutch

Gent

lecture

independent work

Lecturers in academic year 2024-2025

Moerman, Anneliese

GE33

lecturer-in-charge

Coppens, Marc

GE33

co-lecturer

De Baerdemaeker, Luc

GE33

co-lecturer

Heyse, Björn

GE33

co-lecturer

Wouters, Patrick

GE33

co-lecturer

Offered in the following programmes in 2024-2025

[Master of Medicine in Specialist Medicine\(main subject Anaesthesia and Resuscitation\)](#)

crdts

6

offering

A

Teaching languages

English, Dutch

Keywords

Anaesthesia and resuscitation and perioperative medicine, medical knowledge

Position of the course

This course aims to continue the acquisition of more specialised medical knowledge, to develop problem solving capacity and to apply it in practice.

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.

Topics (interuniversity) course:

Circulation, respiration, pharmacology, peri-operative aspects, monitoring, capnography, regional anaesthesia

Scientific

- General hemodynamic concepts
- General Principles van Vochtbeleid en Elektrolytenafwijkingen
- Allergy
- Anaesthesia bij Cardiale Kleppathologie
- Anaesthesia and infection
- Autonomous Zenuwstelsel
- Beademing en Anesthesiesystemen
- Bloedproducten: hemodilutie en transfusie
- Cardiovascular monitoring
- CO₂ huishouding en capnografie
- De moeilijke luchtweg
- Farmacologie van de inhalatie-anesthetica
- Farmacologie van Spierverslappers
- Fysiologie van de Kransslagaderdoorbloeding
- Hemostase en Coagulatie
- Intravenous Hypnotics
- Invloed van Anesthetica op de cardiale Functie
- Locale Anesthetica

- Longfysiologie
- Longpathologie
- Monitored Anesthesia Care
- Neuraxiale Blocks
- Opioiden
- Pharmacokinetiek en -dynamiek: inleidende begrippen
- Positionering
- Post-operatieve Complicaties
- Post-operatieve Pijn
- Pre-operatieve Screening en Oppuntstelling
- Recommendations for Education and Training in Ultrasound-Guided RA
- Regionale Anesthesie
- Respiratoire Complicaties
- Ritme- en Geleidingsstoornissen
- Thermoregulatie
- Zuur-Base Evenwicht
- Zuurstof: Opname en Transport
- Zuurstof: Opname, transportcapaciteit, afgave

Clinical

- 1-dagchirurgie
- Abdominale Laparoscopische Heelkunde
- Algemene Principes van Echografie
- Anaesthesia for the Elderly
- Anaesthesia outside the Operating Room
- Analgesie tijdens Arbeid
- Anesthesie en Endocriene Pathologie
- Anesthesie en Kleppathologie
- Anesthesie en Leverlijden
- Anesthesie en Nierlijden
- Anesthesie en Urologie
- Anesthesie voor NKO en Ophthalmologische Ingrepen
- Anesthesie voor Plastische en Reconstructieve Heelkunde
- Anesthesie voor Vaatheelkunde
- Anesthetische Implicaties van Toxicomanie
- Farmacologische Interacties
- Fysiologie van de Neonaat
- Major Trauma
- Neurochirurgie: Intracranieel letsel
- Neuromonitoring
- Normal Physiologic Adaptation to Pregnancy
- Obesitas
- Orthopedische Heelkunde
- Pathologische Partus
- Pediatrische Anesthesie
- Perifere Echo
- Pijnstilling bij Keizersnede
- PONV
- Post-operatieve cognitieve Dysfunctie
- Pre-existing neurological and neuromuscular disease: general or regional anesthesia
- Reanimatie
- Spierziekte en Maligne Hyperthermie
- Thoraxchirurgie
- Transplantatie

Initial competences

The course builds on certain learning outcomes of the study programme leading to the academic degree "Master of Medicine (in Medicine)" (or "Physician" or "Doctor of Medicine, Surgery and Obstetrics").

Final competences

- 1 Acquiring a deeper knowledge and insight in the syndromes and techniques in the field of the speciality.
- 2 Developing an in-depth specialised scientific knowledge and methodology

necessary as substructure for the problem-solving ability at the work place.

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

Lecture, Independent work

Extra information on the teaching methods

The programme is established by an interuniversity committee and the course is available on the BVAR website (www.sarb.be).

The e-learning modules are available on Zephyr (Ugent).

Study material

None

References

Anesthesia journals: Anesthesiology, British Journal of Anaesthesia, Anesthesia & Analgesia.....

Course content-related study coaching

Consultation of lecturer (appointment or via email)

Assessment moments

continuous assessment

Examination methods in case of periodic assessment during the first examination period**Examination methods in case of periodic assessment during the second examination period****Examination methods in case of permanent assessment**

Written assessment with multiple-choice questions

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Calculation of the examination mark

A "pass" / "fail" result is given.