

Program of Study : **General Medicine**

Course : **Anesthesiology and Intensive Medicine**

Abbreviation : **KAR/VA023**

Schedule : 20 hours of seminars
43 hours of practical training

Course Distribution : 5th year, 9th semester, 10th semester

Number of Credits : **5**

Course Form: : Seminars, practical training
2 weeks KARIM (+ 5 hours praxis 15:00 – 19:00)

Seminars and practical training:

necessary white clothes (blouse, trousers, shoes)

Teachers:

odb. as. MUDr. Olga Klementová, Ph.D.	odb. as. MUDr. Jan Lekeš
odb. as. MUDr. Karel Axmann	odb. as. MUDr. Ivana Lucká
odb. as. MUDr. Tomáš Bendžala	odb. as. MUDr. Filip Mačuga
odb. as. MUDr. Tomáš Brigant	odb. as. MUDr. Aylin Mertová
odb. as. MUDr. Tomáš Čechmánek	odb. as. MUDr. Markéta Michlová
odb. as. MUDr. Kateřina Dostálová, Ph.D.	odb. as. MUDr. Pavel Minarik
odb. as. MUDr. Lenka Doubravská, Ph.D.	odb. as. MUDr. Lenka Obare Pyszková, Ph.D.
odb. as. MUDr. Tomáš Dubovec	odb. as. MUDr. Jakub Papaj
odb. as. MUDr. Jitka Dvořáková	odb. as. MUDr. Jan Papajk
odb. as. MUDr. Tereza Horáková	odb. as. MUDr. Jitka Skálová
odb. as. MUDr. Pavla Hrnčířková	odb. as. MUDr. Václav Staněk
odb. as. MUDr. Renáta Juklová	odb. as. MUDr. Martin Švec
odb. as. MUDr. Jan Jurčík	odb. as. MUDr. Petra Thinová
odb. as. MUDr. Bronislav Klementa	odb. as. MUDr. Štěpán Tylich
odb. as. MUDr. Johana Kochtová	odb. as. MUDr. Marek Vinkler
odb. as. MUDr. Michaela Konupčíková	odb. as. MUDr. Michaela Vobrová
odb. as. MUDr. Michal Král	odb. as. MUDr. Miroslav Vogl
odb. as. MUDr. Magdaléna Krupárová	odb. as. MUDr. Dominika Wawrzyczková

Blocks :	Monday to Friday	08:00 – 12:30, max. 14 students (max 15)
meeting 1nd week	Mon, Wed, Thu Tue, Fri	building A, secretariat KARIM Centesimo, room 2.148
meeting 2rd week	Monday to Friday	building A, secretariat KARIM

Dates:	A1Bb, A3Bb	30/1/2023
	A1A, A1Ba	27/2/2023
	A3A, A3Ba	27/3/2023

Block Day	Week 1	Subject	No. of less.	Lecturers
1	Monday	S: Definition and types of anesthesia, analgesia, pharmacology, anesthetic techniques, complications. P: Preanesthetic evaluation, preparation of the patient, comorbidities, ASA classification. Anesthesia outpatient.	2 3	Minarik Vinkler Brigant Jurčík Dvořáková Dubovec Horáková Čechmánek
2	Tuesday	S: Preanesthetic assessment, anesthesia machine, induction of anesthesia, airway management, monitoring during anesthesia, perioperative management P: CENTESIMO: practical training – ventilation simulator Praxis: <i>On-call anesthesia</i>	4 2 5	Král Mačuga Kochtová Konupčíková Tylich Čechmánek Bendžala 2 students
3	Wednesday	P: Anesthesia. S: Regional anesthesia – division, drugs, localisation, adverse effects, complications. Praxis: <i>On-call anesthesia</i>	4 2 5	Papaj Minarik Vinkler Tylich Lekeš Konupčíková Axmann 2 students
4	Thursday	P: Anesthesia. S: Anesthesia for one-day surgery. Pediatric anesthesia. Postanesthetic care. Praxis: <i>On-call anesthesia</i>	4 2 5	Krupárová Thinová Lekeš Mertová Minárik Lucká Doubravská 2 students
5	Friday	P: CENTESIMO: Advanced life support - Simman	6	Král Klementa Konupčíková Minarik Kochtová Doubravská Klementová
6	Monday	S: Intensive care – characteristics, Elementary techniques used, examination, invasive monitoring, vital organ functions monitoring. P: KARIM – common diagnoses. S: Treatment of pain, pain servis.	2 1 2	Papajk Lekeš Wawrzyczková Vinkler Minarik Staněk Doubravská Hrnčířková Michlová Švec Doubravská Axmann

		Praxis: <i>On-call anesthesia</i>	5	2 students
7	Tuesday	S: Respiratory insufficiency, ALI/ARDS, oxygenotherapy, airway management, ventilatory support.	2	Klementová Švec Papaj Král Kochtová Juklová Vogl 2 students
		P: KARIM – case report, following patient, therapeutic plan.	4	
		Praxe: <i>On-call anesthesia</i>	5	
8	Wednesday	S: Shock states, sepsis, MODS. Infusions, circulatory support, hemotherapy in intensive care and for major trauma.	2	Axmann Papaj Papajk Obare Skálová Doubravská Vobrová 2 students
		P: KARIM – case report, following patient, therapeutic plan.	4	
		Praxis: <i>On-call anesthesia</i>	5	
9	Thursday	S: Nutrition in intensive care, energetic, ion, water disturbances, ABG disturbances.	2	Skálová Papajk Obare Axmann Doubravská Vobrová Dostálová 2 students
		P: KARIM – case report, following patient, therapeutic plan.	4	
		Praxe: <i>On-call anesthesia</i>	5	
10	Friday	S: CENTESIMO: Etics in intensive care, categorisation. Brain death diagnostics. Scenarion Simman.	2	Doubravská Hrnčířková Michlová Klementová online
		Written test.	4	

Completed by : Exam

Requirements : 90% attendance on seminars
Active participation in Scenario on Simman
Written test over 75%

Literature:

1. Allman K., Wilson I., Oxford Handbook of Anaesthesia (3. ed), Oxford University Press, 2011 ISBN 9780199584048
2. Singer M., Webb A., Oxford Handbook of Critical Care (3. ed), Oxford University Press, 2009 ISBN 9780199235339
3. Ramrakha P., Moore K., Sam A., Oxford Handbook of Critical Care (3. ed), Oxford University Press, 2010 ISBN 9780199230921
4. Rund, Barkin, Rosen, Sternbach: Essentials of Emergency
5. <https://www.erc.edu/>
6. <https://www.resus.org.uk/pages/guide.htm>
7. T. E. OH: Intensive Care Manual