

LIST OF TEXTBOOKS-5th YEAR:

1. Anesthesiology

A. Obligatory

1. John F. Butterworth IV, David C. Mackey, John D. Wasnick: Morgan and Mikhail's Clinical Anesthesiology 7th edition

The following chapters:

SECTION I Anesthetic Equipment & Monitors

- 2 The Operating Room Environment
- 3 Breathing Systems
- 4 The Anesthesia Workstation
- 5 Cardiovascular Monitoring
- 6 Noncardiovascular Monitoring

SECTION II Clinical Pharmacology

- 7 Pharmacological Principles
- 8 Inhalation Anesthetics
- 9 Intravenous Anesthetics
- 10 Analgesic Agents
- 11 Neuromuscular Blocking Agents
- 12 Cholinesterase Inhibitors & Other Pharmacological Antagonists to Neuromuscular Blocking Agents
- 13 Anticholinergic Drugs
- 14 Adrenergic Agonists & Antagonists
- 16 Local Anesthetics
- 17 Adjuncts to Anesthesia (only 'key concepts' table)

SECTION III Anesthetic Management

- 18 Preoperative Assessment, Premedication, & Perioperative Documentation
- 19 Airway Management
- 20 Cardiovascular Physiology & Anesthesia
- 21 Anesthesia for Patients with Cardiovascular Disease
- 23 Respiratory Physiology & Anesthesia
- 24 Anesthesia for Patients with Respiratory Disease
- 26 Neurophysiology & Anesthesia
- 30 Kidney Physiology & Anesthesia
- 33 Hepatic Physiology & Anesthesia
- 39 Anesthesia for Trauma & Emergency Surgery
- 42 Pediatric Anesthesia
- 44 Ambulatory & Non-Operating Room Anesthesia

SECTION IV Regional Anesthesia & Pain Management

- 45 Spinal, Epidural, & Caudal Blocks
- 46 Peripheral Nerve Blocks

SECTION V Perioperative & Critical Care Medicine

- 51 Fluid Management & Blood Component Therapy
- 52 Malignant Hyperthermia
- 54 Anesthetic Complications
- 55 Cardiopulmonary Resuscitation

56 Postanesthesia Care

2. ERC guidelines 2025 (or newer if available)

The following guidelines (guidelines available at cprguidelines.eu):

Basic life support

Adult advanced life support

Pediatric life support

<https://www.erc.edu/science-research/guidelines/guidelines-2025/guidelines-2025-english/>

3. Official lectures and seminars (presentations available on LMS)

B. Additional

1. P. L. Marino „Marino's ICU Book“, LWW, 2024

2.Surgery

A. Obligatory

- 1.Davor Mijatović, Željko Sutlić, Goran Augustin, Ivan Dobrić and colleagues, Surgery, 1st edition, Školska knjiga, 2022
2. Kompendij Neurokirurgije: Josip Paladino i suradnici. Naklada Ljevak, 2004.

B. Additional

- 1.Andrew Goldberg, Gerard Stansby (eds.) Surgical talk : revision in surgery . 2nd edition. London, Imperial College Press, 2005. It is very useful for an overview, but should not be the sole source of a student's reading.
2. Schwartz. Principles of surgery. is the definitive text. It contains more than we expect you to learn during your 6-week rotation. Use the Curriculum Outline to direct your reading. Selected chapters
3. Ante Kvesić i suradnici. Kirurgija. Medicinska naklada. Poglavlje: Neurokirurgija Autori: Josip Paladino, Predrag Keros, Goran Mrak, Jakob Nemir. © 2016 Medicinska naklada.
4. Greenberg's Handbook of neurosurgery. Tenth edition. Thieme. MedOne.

E- Books & Ovid:

1. Greenfield's Surgery: Scientific Principles and Practice
Editor: Mulholland, Michael W.; Lillemoe, Keith D.; Doherty, Gerard M.; Maier, Ronald V.; Upchurch, Gilbert R.
Publisher: Lippincott Williams & Wilkins
Edition: 4th Edition
ISBN: 0781756243
2. Handouts for seminars and practical work
3. Surgical Seminar discussions: Discussions will be specific to surgical topics. Student articpation is mandatory throughout the all weeks rotation.

3. Urology

Selected chapters of Smith's Urology

4. Orthopaedics

A. Obligatory

01. Apley & Solomon's System of Orthopaedics and Trauma, Edited by: Ashley Blom, David Warwick, Michael Whitehouse, Tenth edition, 2017

02. Mark D. Miller & Stephen R. Thompson. Miller's Review of Orthopaedics, 8th Edition: Expert Consult, 2019
03. Handouts for lectures, seminars, and practical work

B. Additional

01. Mcrae, R. Clinical Orthopaedic Examination. Churchill Livingstone; 6th ed., 2010.
02. Weinstein, SL., Buckwalter, JA. Turek's Orthopaedics: Principles and Their Application. Lippincott Williams & Wilkins; 6th ed., 2005.
03. Mcrae, R., Esser, M. Practical Fracture Treatment. Churchill Livingstone; 5th ed., 2008.

5. Maxillofacial Surgery with Basic Principles of Stomatology

A. Obligatory

Ivica Lukšić i suradnici. MAKSILOFACIJALNA KIRURGIJA, 2. izdanje. Zagreb: Naklada Ljevak, 2025. (textbook)

B. Additional

Teaching material on LMS

6. Ophthalmology

A. Obligatory

- "Ophthalmology and Optometry", ISBN: 978-953-57065-2-6, Sveučilišni udžbenik, Stega tisak d.o.o., Zagreb, 2017.
- Teaching material on LMS

B. Additional

- Gerhard K. Lang. "Ophthalmology" - a pocket textbook atlas. Stuttgart: Thieme, 2000.
- Sanja Masnec, Miro Kalauz, Tomislav Jukić. "Fundamentals of Modern Cataract Surgery", ISBN: 978-953-368-209-9, University textbooks and handbooks, Medicinska naklada d.o.o., Zagreb, 2025. god.
- Kanski JJ. Clinical Ophthalmology. A systematic Approach. Butterworth-Heinemann/Elsevier Edinburgh 2015.

7. Otorhinolaryngology – Head and Neck Surgery

A. Obligatory

American Academy of Otolaryngology H&NS, third edition, Primary Care Otolaryngology. It may be downloaded at <http://www.entnet.org/mktplace/primaryCare.cfm>

B. Additional

- Probst R., Grevers G., Iro H. Basic Otorhinolaryngology, Thieme 2006.
- Flint PW, Haughey BH, Lund VJ., Robbins KT, Thomas JR, Lesperance MM, Francis HW. Cummings Otolaryngology: Head and Neck Surgery. Mosby, 7th edition, 2020.

8. Physical and Rehabilitation Medicine

A. Obligatory

1. Selected chapters from: Cifu DX, urednik. Braddom's Physical Medicine and Rehabilitation. 5. izd. Philadelphia (PA): Elsevier; 2016.

2. Frontera WR. DeLis Physical Medicine and Rehabilitation Principles and Practice, Two Volume Set (Rehabilitation Medicine-DeLis), 5th ed., Philadelphia, PA, 2016

3. Shatzer M, Choi H, urednici. Physical Medicine and Rehabilitation Pocketpedia. 3. izd. New York (NY): Demos Medical Publishing; 2018. B. Additional

1. Thomas D. Rizzo Jr., *Essentials of Physical Medicine and Rehabilitation Musculoskeletal Disorders, Pain, and Rehabilitation.*, 4th ed., Philadelphia, Pa, 2019.

9. Gynecology & Obstetrics

A. Obligatory

- Williams Gynecology, Fourth Edition. Barbara Hoffman
- Obstetrics by Ten Teachers, 20th Edition. LCKenny, JEMyers. CRC Press 2017.

B. Additional

- Berek & Novak's Gynecology. S Berek, E Novak. Lippincott Williams & Wilkins, 2007.
- Selected chapters in Williams Obstetrics, 25th Edition. JS Dashe, SL Bloom, CY Spong, BL Hoffman. McGrawHill Professional, 2018.

10. Pediatrics

A. Obligatory

01. Schuh A, Kliegman R, Ryan K, Yale R, Mitchell M, eds: „Nelson Essentials of Pediatrics“, 10th edition, Elsevier, 2026.

B. Additional

01 Selected chapters from Nelson: Textbook of Pediatrics, 22nd edition. Elsevier, New York, 2024.

11. Medical Informatics

A. Obligatory

1. Medical Informatics (compiled by J.Kern, K.Fišter, J.Božikov). (Available from <http://lms.mef.hr>)
2. Selected papers from the medical informatics journals.
3. Materials from practicals (<http://lms.mef.hr>)

B. Additional

1. Enrico Coiera. The Guide to Health Informatics. 3rd edition. CRC Press 2015.
2. Kern J, Fišter K, Polašek O. Active Patient Role in Recording Health Data. In: Mehdi Khosrow-Pour M (Ed). Encyclopedia of Information Science and Technology (Second Edition). Hershey – New York: Information Science Reference 2009. pp. 14-19. (book chapter)
3. Taylor P. From patient data to medical knowledge: the principles and practice of health informatics. Oxford: Blackwell Publishing Ltd 2007.

12. Epidemiology

A. Obligatory

Webb P, Bain C. Essential epidemiology, 2. izd. (ili novije), Cambridge university press, Cambridge, 2011.

Merryl R. Introduction to epidemiology, 7. izd. (ili noviji), Jones Bartlett learning, Provo Utah, 2017.

Gordis L. Epidemiology. 4th ed. WB Sanders Company. Philadelphia, 2008. or later
Thomas JC, Weber DJ. Epidemiologic methods for study of infectious diseases, Oxford University press 2001

PDF of published papers and resources (links) on LMS (epidemiologic statistical databases or published data on Croatian, European and world level institutions)

13. Fundamentals of Medical Skills 5

A. Obligatory

1. Degoricija V ed. Emergency Medicine. Second Edition. Manualia Universitatis Studiorum Zagabiensis; Zagreb: Libar; 2013.

2. Video clips and handouts for each practical.

3. Silverman J, Kurtz SM, Draper J. Skills for communicating with patients. Radcliffe Pub., 2005.

4. Braš M, Đorđević V, Miličić D, Janjanin M. Doctor-Patient Relationship. In: Đorđević V, Braš M, Miličić D (Eds). Person in Medicine and Healthcare: From Bench to Bedside to Community. Zagreb: Medicinska Naklada; 2011: 7-15.

B. Additional

1. Dorđević V, Braš M, Brajković L. Person-centered medical interview. Croat Med J. 2012 Aug;53(4):310-3.

2. Bauer J, Fritzsche K, Wirsching M. Intuitive Understanding Between the Physician and Patient: Mirror Neuron System as Neurological Basis. In: Đorđević V, Braš M, Miličić D (Eds). Person in Medicine and Healthcare: From Bench to Bedside to Community. Zagreb: Medicinska Naklada, 2012:17 – 21.