

## **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 2021 (or newer if available)

The following guidelines (guidelines available at [cprguidelines.eu](http://cprguidelines.eu)):

Basic life support

Adult advanced life support

Pediatric life support

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

#### B. Additional

#### 1. YouTube videos and additional presentations available on LMS

## **2.Surgery**

### A. Obligatory

1.Davor Mijatović, Željko Sutlić, Goran Augustin, Ivan Dobrić and colleagues, Surgery, 1st edition, Školska knjiga, 2022

### 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

### 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 articulation 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; 6<sup>th</sup> ed.,2010.

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

## **5. Maxillofacial Surgery with Basic Principles of Stomatology**

### A. Obligatory –

Ivica Lukšić and colleagues. Maxillofacial Surgery. Zagreb: Naklada Ljevak, 2023.  
(textbook)

### B. Additional

1. James R. Hupp, Elie M. Ferneini (Eds.). Head, Neck and Orofacial Infections. A Multidisciplinary Approach. Elsevier Science, 2016.
2. Rui Fernandes. Local and Regional Flaps in Head & Neck Reconstruction: A Practical Approach. Wiley, 2014.
3. Jatin P. Shah, Snehal G. Patel, Bhuwanesh Singh, Richard Wong. Jatin Shah's Head and Neck Surgery and Oncology 5th Edition. Elsevier, 2019.
4. James Hupp, Myron Tucker and Edward Ellis. Contemporary Oral and Maxillofacial Surgery - 7th Edition. Elsevier, 2018.
5. Jeffrey P. Okeson. Management of Temporomandibular Disorders and Occlusion 8th Edition. Elsevier, 2019.
6. Eric M. Genden. Reconstruction of the Head and Neck: A Defect-Oriented Approach. Thieme, 2012.
7. Robert A. Robinson, Steven D. Vincent. Tumors and Cysts of the Jaws (AFIP Atlas of Tumor Pathology) 16th ed. Edition. Amer Registry of Pathology, 2012.
8. Raymond Fonseca, Dexter Barber. Oral and Maxillofacial Trauma 4th Edition. Saunders, 2012.
9. Samuel Berkowitz. Cleft Lip and Palate. Springer, 2013.
10. Kevin C. Chung. Grabb and Smith's Plastic Surgery, 8th edition. Wolters Kluwer, 2019.

## **6. Ophthalmology**

- Ophthalmology and Optometry, Cerovski et.al., 2016.
- Fundamentals of modern cataract surgery, Sanja Masnec, Miro Kalauz, Tomislav Jukić, 2025, handbook  
Translated Croatian student book "Ophthalmology" on LMS
- Handouts for seminars and practical work
- Additional readings (suggested by the lecturer)  
Lang KG. Ophthalmology.

## **7. Otorhinolaryngology – Head and Neck Surgery**

Probst R, Grevers G, Iro H. Basic Otorhinolaryngology. Stuttgart: Thieme, 2006

Literature for **interactive seminars**:

Jafek WB, Murow WB. ENT Secrets, 3rd Edition - With STUDENT CONSULT Online Access Philadelphia: Elsevier, 2005

## **8. Physical and Rehabilitation Medicine**

1. David X. Cifu, et al., *Braddom's Physical Medicine and Rehabilitation*, 5<sup>th</sup> ed., Philadelphia, PA, 2016.

2. Prof. Walter R. Frontera MD PhD, *DeLis Physical Medicine and Rehabilitation Principles and Practice*, Two Volume Set (Rehabilitation Medicine-Delisa)., 5<sup>th</sup> ed., Philadelphia, PA, 2016.
3. Matthew Shatzer., *Physical Medicine and Rehabilitation Pocketpedia*. 3<sup>rd</sup> ed., New York, 2018.
4. Thomas D. Rizzo Jr., *Essentials of Physical Medicine and Rehabilitation Musculoskeletal Disorders, Pain, and Rehabilitation*., 4<sup>th</sup> 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. Kliegman RM, Marcandante K, Jenson HB, Behrman RE, eds. „Nelson Essentials of Pediatrics“, 8th edition, Elsevier, 2018.

### **B. Additional**

01. Selected chapters from Nelson's Textbook of Pediatrics, 20th ed. Elsevier, 2015.
02. [www.pediatrics.org](http://www.pediatrics.org)

## **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. Recommended readings**

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**

Merrill RM Introduction to epidemiology, 6th ed., Jones Bartlet 2013. or later

Webb PM, Bain C, Page A. Essential Epidemiology., Cambridge university press (2nd or later Edition)

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 Zagradiensis; 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.