

## **LIST OF TEXTBOOKS-4th YEAR:**

### **1. Internal Medicine**

#### **A. Obligatory**

Davidson's Principles and Practice of Medicine, 21<sup>st</sup> edition with student consult online access; Nicki R. Colledge, BSc, FRCP(Ed), Brian R. Walker, BSc, MD, FRCP(Ed) and Stuart H. Ralston, MD, FRCP, FMedSci, FRSE

Kumar and Clark's Clinical Medicine, 7th Edition with student consult online access; Parveen Kumar, CBE, BSc, MD, FRCP, FRCP(Edin) and Michael L. Clark, MD, FRCP

#### **B. Additional**

The E-LEARNING PLATFORM (LMS) includes video lectures, interactive and additional materials covering the content of lectures, seminars, and exercises from all thematic parts. This platform serves as a comprehensive digital resource to complement and enhance the traditional learning methods used in the course.

### **2. Diagnostic and Interventional Radiology**

#### **A. Obligatory**

01. Michael Y Chen, Thomas L.Pope, David J.Ott. Lange Basic Radiology. Mc Graw Hills 2004.

02. teaching files on Internet from major U.S. and EU universities may be used as additional literature

#### **B. Optional:**

03. David Sutton. Textbook of Radiology and Imaging, 7<sup>th</sup> Ed, free download possible

04. Andy Adam, Adrian Dixon (Eds). Grainger and Allison's Diagnostic Radiology, 5<sup>th</sup> Ed, Churchill Livingstone

### **3. Medical Physics**

#### **A. Obligatory**

Handouts from lectures, seminars and lab works placed on LMS

#### **B. Additional**

01. C. Guy and Dfytche : An Introduction to The Principles of Medical Imaging, Imperial College Press, London, 2005.

02. J. Brnjas-Kraljević: Struktura materije i medicinska dijagnostika, Medicinska knjiga 2001

### **4. Clinical Oncology**

#### **A. Obligatory**

- CLINICAL ONCOLOGY: BASIC PRINCIPLES AND PRACTICE, Peter Hoskin, Taylor & Francis Group, 5th. edition, published May 2020

#### **B. Additional**

- BREAST CANCER Multidisciplinary treatment, edited by Lidija Beketić-Orešković, Fedor Šantek, Medicinska naklada, 2019 (selected chapters)
- Handouts for seminars and practical work
- Additional readings (when suggested by the lecturer)
- Use of internet

## **5. Nuclear Medicine**

Fred A. Mettler, and Milton J. Guiberteau: Essentials of Nuclear Medicine and Molecular Imaging, editors Elsevier, 7th edition; 2018.

### B. Additional

Dražen Huić, Damir Dodig I Zvonko Kusić: Klinička nuklearna medicina, Medicinska naklada, 2023.

## **6. Infectious Disease & Tropical Medicine**

### A. Obligatory

1. Frederick S. Southwick - Infectious Diseases\_ A Clinical Short Course-McGraw-Hill Education (2020) 4th edition .

2. Jameson JL, Fauci AS, Kasper DL, Hauser SL, Longo DL, Loscalzo J. Harrison's Principles of Internal Medicine. 20. izd. New York: McGraw-Hill Education; 2018.

## **7. Statistical Analysis of Medical Data**

### A. Obligatory

1. Petrie A, Sabin C. Medical Statistics at a Glance (4thEd). Oxford: Blackwell Science Ltd, 2019.
2. Educational notes available online on LMS.

### B. Additional readings

- Glantz SA. Primer of biostatistics (7th ed). New York: McGraw Hill, 2012.
- <http://www.statsoft.com/textbook/stathome.html> (Electronic Statistics Textbook - StatSoft)
- Altman DG. Practical statistics for medical research. London. Chapman & Hall, 1999.

## **8. Neurology**

### A. Obligatory

1. David Greenberg, Michael Aminoff, Roger Simon. Lange Clinical Neurology, 11th Edition, 2021

### B. Additional

1. Fuller G. Neurological Examination Made Easy. Sixth Edition. Elsevier, 2019.
2. Adams AC. Mayo Clinic Essential Neurology. Second Edition. Oxford University Press, 2018.

## 9. Psychiatry

### A. Obligatory

Oxford Handbook of Psychiatry (Oxford Medical Handbooks) 4th Edition by David Semple (Author), Roger Smyth (Author)

### B. Additional

John Gedes, Jonathan Price, Rebecca mcNights with Michael Gelder and Richard Mayou, Psychiatry, 4th edition, Oxford University Press  
Handouts for seminars and practical work

## 10. Dermatovenereology

### A. Obligatory

- Weller RB, Hunter HJA, Mann MW. Clinical Dermatology, 5th edition. Wiley 2015.
- learning materials on the LMS (Learning Management System)

### B. Additional

- Bologna, JL, Jorizzo, JJ, Schaffer, JV. Dermatology, 3rd edition. Elsevier 2017.
- Web-book DOIT: Dermatology Online with Interactive Technology

## 11. Elective: Allergy and Asthma

### A. Obligatory

<https://education.aaaai.org/allergens-allergy-testing-and-allergy-therapeutics>

1. EAACI Knowledge Hub, <https://hub.eaaci.org/>
2. EAACI guidelines on environmental science in allergic diseases and asthma – Leveraging artificial intelligence and machine learning to develop a causality model in exposomics M. H. Shamji, M. Ollert, I. M. Adcock et al. 2023; <https://doi.org/10.1111/all.15667>
3. EAACI guidelines: Anaphylaxis (2021 update) A. Muraro, M. Worm, C. Alviani et al. 2021; <https://doi.org/10.1111/all.15032>
4. Hypersensitivity reactions to proton pump inhibitors. An EAACI position paper. Bavbek, S. Bonadonna, P. et al. 2023 <https://doi.org/10.1111/all.15961>
5. EAACI Biologicals Guidelines – Omalizumab for the treatment of chronic spontaneous urticaria in adults and in the paediatric population 12-17 years old, I. Agache C. Akdis, M. Akdis, Allergy. 2022 Jan;77(1):17-38
6. <https://www.aaaai.org/Conditions-Treatments/allergies>
7. A systematic review and meta-analysis of nutritional and dietary interventions in randomized controlled trials for skin symptoms in children with atopic dermatitis and without food allergy: An EAACI task force report, E. Vassilopoulou, A. Comotti, N. Douladiris, 2024; <https://doi.org/10.1111/all.16160>
8. <https://www.aaaai.org/Conditions-Treatments/Allergies/Allergies-Overview>
9. The international EAACI/GA<sup>2</sup>LEN/EuroGuiDerm/APAAACI guideline for the definition, classification, diagnosis, and management of urticaria. T. Zuberbier, A. Hamzah, A. Latiff, M. Abuzakouk, 2021; <https://doi.org/10.1111/all.15090>
10. <https://www.aaaai.org/Conditions-Treatments/Allergies/Anaphylaxis>

11. Efficacy and safety of treatment with biologicals for severe chronic rhinosinusitis with nasal polyps: A systematic review for the EAACI guidelines, I. Agache, Y. Song, P. Alonso-Coello et al. 2021 <https://doi.org/10.1111/all.14809>
12. <https://www.aaaai.org/Conditions-Treatments/Allergies/Drug-Allergy>
13. [https://www.aaaai.org/Conditions-Treatments/Allergies/Eye-\(Ocular\)-Allergy](https://www.aaaai.org/Conditions-Treatments/Allergies/Eye-(Ocular)-Allergy)
14. <https://www.aaaai.org/Conditions-Treatments/Allergies/Food-Allergy>
15. EAACI guidelines on the diagnosis of IgE-mediated food allergy. A. F. Santos, C. Riggioni, I. Agache et al. 2023; <https://doi.org/10.1111/all.15902>
16. <https://www.aaaai.org/Conditions-Treatments/Allergies/Hay-Fever-Rhinitis>
17. <https://www.aaaai.org/Conditions-Treatments/Allergies/Latex-Allergy>
18. <https://www.aaaai.org/Conditions-Treatments/Allergies/Mold-Allergy>
19. <https://www.aaaai.org/Conditions-Treatments/Allergies/Pet-Allergy>
20. <https://www.aaaai.org/Conditions-Treatments/Allergies/Sinusitis>
21. <https://www.aaaai.org/Conditions-Treatments/Allergies/Skin-Allergy>
22. <https://www.aaaai.org/Conditions-Treatments/Allergies/Stinging-Insect-Allergy>
23. <https://www.aaaai.org/Tools-for-the-Public/Conditions-Library/Allergies>

#### ASTHMA

1. [Global Strategy for Asthma Management and prevention. Update 2023. https://ginasthma.org/wp-content/uploads/2023/07/GINA-2023-Full-report-23\\_07\\_06-WMS.pdf](https://ginasthma.org/wp-content/uploads/2023/07/GINA-2023-Full-report-23_07_06-WMS.pdf)

#### Virtual allergologist

- <https://allergist.aaaai.org/virtual-allergist/>  
<https://education.aaaai.org/journalCME>

## 12. Elective: Cardiac Imaging

### A. Obligatory

Extracts of “Essential Echocardiography: A Companion to Braunwald’s Heart Disease”

### B. Additional

Extracts of “Doppler Myocardial Imaging – A Textbook”. Sutherland, Hatle, Claus, D’hooge, Bijnens. BSWK, 2006. <http://www.myocardialimaging.com>.

## 13. Clinical Nutrition

### A. Obligatory

Sobotka L. Basics in Clinical Nutrition, Fourth Edition. ESPEN&Galen, Prague, 2019.

### B. Additional

Alpers DH, Stenson WF, Bier DM. (2002) Manual of Nutritional Therapeutics. 4.izd Lippincott WW, Philadelphia.

## 14. Fundamentals of Medical Skills 4

### 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.

### **15. Clinical Biochemistry**

#### A. Obligatory

- Handout materials uploaded at LMS: include the material of lectures, seminars and practicals.
- Marshal WJ, Lapsley M, Day A, Shipman K, eds. Clinical Chemistry. 9th ed, St Louis Missouri: Elsevier, 2021. Available at: <https://chemistry.com.pk/books/clinical-chemistry-9e-william-marshall/> (selected chapters)

#### B. Additional

- Nader Rifai N, Chiu RWK, Young I, Burnham CAD, Wittwer CT, eds. Tietz Textbook of Laboratory Medicine. 7th ed , Elsevier Health Sciences, 2022.
- Handouts and recent references from the field.

### **16. Principles of Evidence Based Medicine**

#### A. Obligatory

Marušić M ed. Principles of research in medicine. Zagreb, Medicinska Naklada 2016.

#### B. Additional

1. Heneghan C. Evidence-based medicine toolkit. Blackwell 2006.
2. Course handouts.

### **17. Mechanism of adverse drug reaction**

#### A. Obligatory

- Goodman & Gilman's : The pharmacological basis of therapeutics. 13th Edition, Hardman JG., Limbird LE., ur. 13. Izdanje, McGraw-Hill, New York, 2017
- Bertram G. Katzung: Basic of Clinical Pharmacology 14 th
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#### B. Additional

- Edwards IR, Aronson JK. Adverse drug reactions: definitions, diagnosis, and management. *Lancet*. 2000; 356(9237):1255-9. doi: 10.1016/S0140-6736(00)02799-9. PMID: 11072960.
- Coleman JJ, Pontefract SK. Adverse drug reactions. *Clin Med (Lond)*. 2016;16(5):481-485. doi:10.7861/clinmedicine.16-5-481
- Tedla YG, Bautista LE. Drug Side Effect Symptoms and Adherence to Antihypertensive Medication. *Am J Hypertens*. 2016;29(6):772-779. doi:10.1093/ajh/hpv185
- Chaudhury A, Duvoor C, Reddy Dendi VS, et al. Clinical Review of Antidiabetic Drugs: Implications for Type 2 Diabetes Mellitus Management. *Front Endocrinol (Lausanne)*. 2017;8:6. doi:10.3389/fendo.2017.00006

## 18. Emerging and neglected zoonoses of medical importance

### A. Obligatory

Riedel S, Morse S, Mietzner T. Jawetz, Melnick & Adelberg's Medical Microbiology. McGraw Hill Education, 2019.

Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology. Elsevier, 2020. Lectures on LMS

### B. Additional

Bauerfeind R, von Graevenitz A, Kimmig P, Schiefer HG, Schwartz T, Slenczka W, Zahner H. Zoonoses. DC: ASM Press, 2016.

Ergönül Ö, Can F, Madoff L, Akova M. Emerging Infectious Diseases - Clinical Case Studies. Elsevier, 2014.

Rodriguez-Morales AJ. Current Topics in Neglected Tropical Diseases. IntechOpen, 2019.

## 19. Multidrug-resistant bacteria-our worst nightmare

### A. Obligatory

- 1. Bradford PA. Extended-spectrum  $\beta$ -lactamases in the 21st Century: Characterization, Epidemiology, and Detection of This Important Resistance Threat. *Clin Microbiol Rev* 2001;14(4):933-951.
- 2. Bradford PA: What's new in  $\beta$ -lactamases? *Curr Infect Dis Resp* 2001; 3(1):13-19.
- 3. Nordmann P, Poirel L. Emerging carbapenemases in Gram-negative aerobes. *Clin Microbiol Infect* 2002;8:321-331.
- 4. Marshall WF, Blair JE. The cephalosporins, *Maxo Clin Proc* 1999;74:187.
- Reese RE, Betts RF. Cephalosporins. U: Reese RE, Betts RF, Gumustop B, eds. Handbook of antibiotics, 3rd ed. Philadelphia: Lippincott Williams&Wilkins, 2000;365-400.
- 5. Asbel LE, Levison ME. Cephalosporins, carbapenems and monobactams. *Infect Dis Clin North Am* 2000;14:1435.
- Medical Letter. The choice of antibacterial drugs. *Med Lett Drugs Ther* 200143:69.

- 6. Rossolini, G.M., M. M. D'Andrea, and C. Mugnaioli. 2008. The spread of CTX-M-type extended-spectrum  $\beta$ -lactamases. *Clin. Microbiol. Infect.* 14(Suppl. 1):33-41.
- 7. Jacoby, G. A., 2009. AmpC  $\beta$ -lactamases. *Clin. Microbiol. Rev.* 22:161-182.
- 8. Nordmann, P., L. Poirel, and L. Dortet. 2012. Rapid detection of carbapenemase-producing Enterobacteriaceae. *Emerg. Infect. Dis.* 18:1503-1507.
- 9. Nordmann, P., M. Gniadkowski, C.G. Giske, L. Poirel, N. Woodford, V. Miriagou, and the European Network on Carbapenemases. 2012. Identification and screening of carbapenemase-producing Enterobacteriaceae. *Clin. Microbiol. Infect.* 18:432-438.
- 10. Nordmann, P., T. Naas, and L. Poirel. 2011. Global Spread of carbapenemase-producing Enterobacteriaceae. *Emerg. Infect. Dis.* 17:1791-1798.
- 11. Cattoir, V. , and P. Nordmann. 2009. Plasmid-mediated quinolone resistance in gram-negative bacterial species: an update. *Curr. Med. Chem.* 16:1028-1046.
- 12. Lauren, F., H. Chardon, M. Haenni, M. Bes, M.-E. Reverdy, J.-Y. Madec, E. Lagier, F. Vandenesch, and A. Tristan. 2012. MRSA harboring mecA variant gene mecC, France. *Emerg. Infect. Dis.* 18:1465-1467.
- 13. Appelbaum, P.C. 2006. The emergence of vancomycin-intermediate and vancomycin-resistant *Staphylococcus aureus*. *Clin. Microbiol. Infect.* 12 (Suppl. 1):16-23.
- 14. Howden, B.P., J.K. Davies, P.D.R. Johnson, T.P. Stinear, and M.L. Grayson. 2010. Reduced vancomycin susceptibility in *Staphylococcus aureus*, including vancomycin-intermediate and heterogeneous vancomycin-intermediate strains: resistance mechanisms, laboratory detection, and clinical implications. *Clin. Microbiol. Rev.* 23:99-139.

#### B. Additional

- Philippon A, Arlet G, Lagrange H: Origin and impact of plasmid-mediated extended-spectrum  $\beta$ -lactamases. *Eur J Clin Microbiol Infect Dis* 1994;13(Suppl 1):17-29.
- Tan TJ, Yong NG LS, Koh TK, Hsu LY. Evaluation of screening methods to detect plasmid-mediated AmpC in *Escherichia coli*, *Klebsiella pneumoniae* and *Proteus mirabilis*. *Antimicrob Agents Chemother* 2009;53(1):146-149.
- Canton R, Akova M, Carmely Y, Giske CG, Glupczynski Y, Gniadkowski M, Livermore DM, Miriagou V, Naas T, Rossolini GM, Seifert H, Woodford N, Nordmann P. Rapid evolution and spread of carbapenemases among Enterobacteriaceae in Europe. *Clin Microbiol Infect* 2012;18:413-431.
- Sengstock DM, Thyagrajan R, Apalara J, Mira A, Chopra T, Kaye KS. Multidrug-resistant *Acinetobacter baumannii*: an emerging pathogen among older adults in community hospitals and nursing homes. *Clin Infect Dis* 2010;50(12):1611-1616.
- Medina T, Carmeli Y. The pivotal role of long-term care facilities in the epidemiology of *Acinetobacter baumannii*: another brick in the wall. *Clin Infect Dis* 2010;50(12):1617-1618.
- Strateva T, Yordanov D. *Pseudomonas aeruginosa* - a phenomenon of bacterial resistance. *J Med Microbiol* 2009;58:1133-48.
- Poole K. *Pseudomonas aeruginosa*: resistance to the max. *Front Microbiol* 2011;2:1-13.

- Nodmann P, Poirel L. Strategies for identification of carbapenemase producing Enterobacteriaceae. *J Antimicrob Chemother* 2013;68:487-9.
- Levy-Hara G, Gould I, Endimiani A i sur. Detection, treatment and prevention of carbapenemase-producing Enterobacteriaceae: recommendations from an International Working Group. *J Chemother* 2013;25:129-40.