

LIST OF TEXTBOOKS-4th YEAR:

1. Internal Medicine

A. Obligatory

Davidson's Principles and Practice of Medicine, 21st 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, 7th Ed, free download possible

04. Andy Adam, Adrian Dixon (Eds). Grainger and Allison's Diagnostic Radiology, 5th 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 Geddes, 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

01. Stipić Marković A. i sur. Allergy and asthma, Manuscript of the course

02 GLOBAL ATLAS OF ALLERGY, European Academy of Allergy and Clinical Immunology, 2014 (www.eaaci.org) 03. Benčić, Batinić, Malenica i sur. Imunologija i imunosne bolesti pluća. Graphis, Zagreb, 2010A. Obligatory

B. Additional

1. Victoria V, Ansotegui CJ, Ebisawa M, Yehia El-Gamal Y, Fernandez Rivas M, Fineman S, Mario Geller M, Alexei Gonzalez-Estrada A, Paul A. Greenberger PA, Mario Sanchez Borges M, Gianenrico Senna G, Aziz Sheikh A, Kase Tanno LKL, Bernard Y. Thong BY, Turner PJ, Worm M. World Allergy Organization Anaphylaxis Guidance 2020. Available at World Allergy Organization Anaphylaxis Guidance 2020. DOI: <https://doi.org/10.1016/j.waojou.2020.100472>

2. European Academy of Allergy and Clinical Immunology. Molecular Allergy User's Guide 2.0. Available at : https://eaaci-cdn.vod02rod.azureedge.net/KnowledgeHub/education/books/MAUG_2_20221214_EBO OK.pdf

3. Agache, I, Antolin-Amerigo, D, de Blay, F. EAACI position paper on the clinical use of the bronchial allergen challenge: unmet needs and research priorities. Allergy, 2022;77: 1667-1684
<https://onlinelibrary.wiley.com/doi/full/10.1111/all.15203>

4. Mortz, C.G, Ballmer-Weber, B.K, Beyer, K, Bindselev-Jensen, C, Brockow, K, Brough, H.A, Comberiati, P, du Toit, G, Eiwegger, T, Santos, A, Worm, M. When and how to evaluate for immediate type food allergy in children with atopic dermatitis. Allergy, 2021; 76: 3845-3848 <https://doi.org/10.1111/all.14982>

5. Topalušić, Iva; Stipić Marković, Asja; Artuković, Marinko; Dodig, Slavica; Bucić, Lovro; Lugović Mihić, Liborija. Divergent Trends in the Prevalence of Children's Asthma, Rhinitis and Atopic Dermatitis and Environmental Influences in the Urban Setting of Zagreb, Croatia // Children (Basel), 9 (2022), 2022, 9, 1788., 18

doi:10.3390/children9121788[https://www.bib.irb.hr/pretraga?](https://www.bib.irb.hr/pretraga?operators=and|Asja%20stipi%C4%87%20markovi%C4%87|text|profile)

[operators=and|Asja%20stipi%C4%87%20markovi%C4%87|text|profile](https://www.bib.irb.hr/pretraga?operators=and|Asja%20stipi%C4%87%20markovi%C4%87|text|profile)

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 Zagrabienensis; 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 β -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 β -lactamases? Curr Infect Dis Resp 2001; 3(1):13-19.
- 3. Nordmann P, Poirel L. Emerginig 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 2001;43:69.
- 6. Rossolini, G.M., M. M. D'Andrea, and C. Mugnaioli. 2008. The spread of CTX-M-type extended-spectrum β -lactamases. Clin. Microbiol. Infect. 14(Suppl. 1):33-41.
- 7. Jacoby, G. A., 2009. AmpC β -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 β -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.
- Nordmann P, Poirel L. Strategies for identification of carbapenemase producing Enterobacteriaceae. J Antimicrob Chemother 2013;68:487-9.
- Levy-Hara G, Gould I, Endimiani A et al. Detection, treatment and prevention of carbapenemase-producing Enterobacteriaceae: recommendations from an International Working Group. J Chemother 2013;25:129-40.

20. Pharmacogenomics and Individualization of Therapy

Katzung BG, Trevor AJ, editors. Basic & clinical pharmacology. 14th ed. New York: McGraw Hill; 2020

Chapters: Drug biotransformation, Pharmacogenomics