

LIST OF TEXTBOOKS-3rd YEAR:

1. Pathology

A. Obligatory

- 1. Kumar V, Abbas AK, Aster JC, Deystrup AT, Das A, eds. Robbins Basic Pathology 11th edition: with STUDENT CONSULT Online Access, Elsevier, 2023.
- 2. Pictures posted at the LMS at each topic (for GENERAL PATHOLOGY ONLY) Materials at the LMS-u.

B. Additional

1. Damjanov I, Perry AM, Perry KD. Pathology for the health professions. Elsevier, 2022.
2. Underwood's Pathology, a clinical approach. Churchill Livingstone, Elsevier, 2013.
3. Damjanov I. Pathology secrets, 2nd ed. Elsevier Mosby, 2005.
4. Klatt E. Robbins and Cotran Atlas of Pathology, WB Saunders Co. 2006.

2. Pathophysiology

A. Obligatory

1. S Gamulin, M Marušić, Z Kovač. Pathophysiology. Basic mechanisms of Disease. Medicinska naklada, Zagreb 2014. Book One – Volumes One and Two.
2. Z Kovač, S Gamulin. Pathophysiology. Study guide algorithms – Problem Solver. Book Two. Medicinska Naklada Zagreb 2014.

B. Additional

1. Z Kovač et al. Case study worksheets-Workbook 2020.
2. S Gamulin, M Marušić, Z Kovač. Patofiziologija VII izdanje. Medicinska naklada Zagreb 2011.
3. Z Kovač, S Gamulin. Patofiziologija-Zadatci za problemske seminare III.- izdanje Medicinska naklada Zagreb 2011.
4. McPhee SJ, Lingappa VR, Ganong WP. Pathophysiology of disease. An introduction to clinical medicine. Lange Medical Books/McGraw Hill, New York.
5. Silbernagel S, Lang F. Atlas of Pathophysiology. Georg Thieme Verlag, Stuttgart.

3. Microbiology

A. Obligatory

Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology. 9th. Ed. Amsterdam: Elsevier, 2020.

Teaching materials on LMS

B. Additional

Riedel S, Hobden JA, Miller S, ur. Jawetz, Melnick, & Adelberg's Medical Microbiology. 28nd. Ed. New York: Lange Medical Books/McGraw-Hill, 2019.

Gilligan PH, Shapiro DS, Miller MB, eds. Cases in Medical Microbiology and Infectious Diseases. Hoboken NY: Wiley, 2014.

4. Pharmacology

A. Obligatory

- Basic & Clinical Pharmacology, BG Katzung, A Trevor (eds). 15th McGraw Hill Companies, New York, 2020.
- Pharmacology Manual, 1st edition, V. Bradamante, M. Klarica, M. Salkovic-Petrisic (eds), Medicinska naklada, Zagreb, 2010.

B. Additional

- Additional written materials for seminars on the LMS.

5. Pharmacoeconomics

A. Obligatory

1. WHO guideline on country pharmaceutical pricing policies, second edition. Geneva, World Health Organization, 2020. Licence: CC BY-NC-SA 3.0 IGO.
2. Oreskovic, S., I. Bozicevic, M. Mastilica, I. Bakran, S. G. Popovic, R. Ben-Joseph. (2002) Health care resources use by asthmatics in Croatia. Journal of Asthma 39(4):351-8.
3. Vogler S, Habl C, Bogut M, Voncina L. Comparing pharmaceutical pricing and reimbursement policies in Croatia to the European Union Member States. Croat Med J. 2011 Apr 15; 52(2):183-97

B. Additional

1. Benkovic V, Parker M, Novakovic T, Meštrovic A, Budincevic H. The cost of ischaemic stroke in Croatia. Eur Stroke J. 2023 Jan; 8 (1Suppl):21-27
2. Perehudoff K. European governments should align medicines pricing practices with global transparency norms and legal principles. The Lancet Regional Health – Europe, Volume 16, 2022, 100375, ISSN 2666-7762.
3. Likic R. Sustainability of costs of novel biologicals: Are we all heading for bankruptcy? Br J Clin Pharmacol. 2020 Jul; 86(7):1233-1234 Rotar, Alexandru M.; Preda, Alin; Löblová, Olga; Benkovic, Vanesa et al. Rationalizing the introduction and use of pharmaceutical products: The role of managed entry agreements in Central and Eastern European countries // Health policy, 122 (2018), 3; 230-236
4. Wouters, O.J., Kanavos, P.G and McKee, M.(2017), Comparing Generic Drug Markets in Europe and the United States: Prices, Volumes and Spending. The Milbank Quarterly, 95;554-601.
5. Cylus J, Papanicolas I, Smith PC. Health system efficiency: how to make measurement matter for policy and management. Copenhagen: WHO Regional office in Europe; European Observatory on Health Systems and Policies; 2016.
6. Danijela Štimac, Ivan Vukušić, Josip Čulig, Zvonimir Šostar, Mila Bucalić. Outpatient Utilization of Psychopharmaceuticals: Comparison between Croatia and Scandinavian Countries (2001-2003). Coll.Antropol. 2009; Vol. 33: 237-243.
7. Danijela Štimac, Josip Čulig, Ivan Vukušić, Zvonimir Šostar, Siniša Tomić and Mila Bucalić. Outpatient Utilization Patterns of the Six Main ATC Drug Groups in Republic of Croatia, City of Zagreb, and Croatia Counties in 2004. Coll. Antropol. 2009; Vol. 33: 1197-1204.

8. M Nuijten, A Szende, J Kosa, Z Mogyorosy, B Kramberger, K Nemecek, D Tomek, S Oreskovic, M Laskowska: Health care reform in six central European countries: A focus on health economic requirements in the drug pricing and reimbursement processes. (2003). Health care reform in six Central European countries. The European Journal of Health Economics: HEPAC, 4(4), 286
9. Oreskovic S. Farmakoekonomika - koncepcije, metode i proturječnosti. Medicus 2002; 11:27-
10. Mandić D, Orešković S, Francetić I. Oral antibiotic prescription in ambulatory care in 1999 - a contribution to the development of methods for drug consumption and prescription surveillance monitoring. Collegium Antropologicum 2001; 25: 459-65.
11. Ben-Joseph R, Orešković S, Božicević I, Mastilica M, Bakran I, Sulic-Pintarić Z, Kukac L, Alemao E. Economic costs of asthma management in Croatia. Allergy 2000;55 (suppl 63):262.

6. History Taking and Physical Examination (Clinical Propaedeutics)

A. Obligatory

1. Bates' Pocket Guide to Physical Examination and History Taking. by Bickley, Lynn S.; Szilagyi, Peter G.; Bates, Barbara. LIPPINCOTT WILLIAMS & WILKINS Philadelphia, 8th edition

B. Additional

1. Pocket Companion for Physical Examination and Health Assessment. Jarvis, C. Elsevier Science Health Science, 2003
2. Anamneza i fizikalni pregled. Čustović, F. Školska knjiga, Zagreb 2000.

7. Elective: Management in Hospital Setting

A. Obligatory

1. Šogorić S (ed.) & lecturers and associates Of The Department Of Social Medicine and Organization of Health Care. Organization and management of health care services Handbook. School of Medicine, University of Zagreb, 2018.
2. Selected materials available at the LMS course page

B. Additional

1. Health Systems and Policy Monitor (HSPM) www.hspm.org
2. Country Health Profiles www.oecd.org/health/country-health-profiles-eu.htm
3. Goodwin, N., Gruen, R., & Iles, V. (2005). Managing Health Services (Understanding Public Health). Open University Press, 2005. (selected chapters)
4. Black, Nick, and Reinhold Gruen. Understanding health services. McGraw-Hill Education (UK), 2005 (selected chapters)

8. Fundamentals of Medical Skills 3

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.

9. Medical Ethics

Obligatory

Medical Ethics Manual. World Medical Association, 2009.

10. Croatian Language 3

A. Obligatory

Course pack

B. Additional

Darko Matovac: Basic Croatian Grammar

11. Palliative Care

A. Obligatory

Roth AR, Canedo AR Introduction to Hospice and Palliative Care. Prim Care 2019 Sep;46(3):287-302. doi: 10.1016/j.pop.2019.04.001.

Teoli D, Schoo C, Kalish VB Palliative Care

<https://www.ncbi.nlm.nih.gov/books/NBK537113/?report=reader>

B. Additional

Oxford Handbook of Palliative Care Third Edition Edited by Max Watson, Stephen Ward, Nandini Val lath, Jo Wells, and Rachel Campbell 2019 ISBN: 9780198745655

Cherny NI, Fallon MT, Kaasa S, Portenoy RK, Currow DC. Oxford Textbook of Palliative Medicine. 5th edition 2015. Oxford. Oxford University Press.

Watson M, Ward S, Vallnath N, Wells J, Campbell R (eds) Oxford Handbook of Palliative Care. 3rd edition. 2019. Oxford. Oxford University Press

Twycross R, Wilcock A. (Eds) *Introducing Palliative Care* 5th edition. 2018. Pharmaceutical Press

12. The most common adverse side effects of drugs in internal medicine

Recommended:

- Matijevic B. The most common AE of drugs in ED. University of Zagreb, School of Medicine. Graduate thesis 2021.
- Prkacin I et al. Bleeding as a major cause of emergency attendance in pts on different oral anticoagulants. *AMC* 2020; 74: 5.8.

Additional:

Steinberg BA i et al. Off-Label Dosing of Non-Vitamin K Antagonist Oral Anticoagulants and Adverse Outcomes The ORBIT-AF II Registry. *JACC* 2016; 68 (24):2597-604.

Crawley RM, Baty SR, Williams B. Hydroxycobalamin administration in the treatment of calcium channel blocker-induced vasoplegia: a case report. *Series Cardiol Res.* 2023;5(1):85-89

Ljerka Karadža-Lapić, Tamara Pikivaca, Petra Pervan, Josipa Jović Zlatović, Sanja Delin, Ingrid Prkačin. The Incidence and Frequency of Various Causes of Angioedema in Emergency Medicine *Acta Medica Academica* 2018;47:11-17

The Position of the Croatian Society of Hypertension on the Observed Increase in Risk of Non-melanoma Skin Cancer

Associated with Hydrochlorothiazide Treatment, Hrvatsko društvo za hipertenziju / Croatian Society of Hypertension: *Cardiol Croat.* 2019;14(1-2):21-3. |

<https://doi.org/10.15836/ccar2019.21>

Handouts accompanying lectures and seminars

13. Experimental Pharmacology and Pathology

A. Obligatory

1. Leyla S, Gabor H. Sperm motility and viability: overview of the cellular and physiological aspects that support these functions. *Emj repro.* 2015;1[1]:74-80.

2. Zakon o zaštiti životinja NN 102/17 32/19 (na snazi od 01.04.2019.)

<https://www.zakon.hr/z/257/Zakon-o-za%C5%A1titi-%C5%BEivotinja>

3. Marusteri M, Bacarea V. Comparing groups for statistical differences: how to choose the right statistical test? *Biochem Med* 2010;20(1):15–32

4. Mingzuo J, Nan W, Xi C, Weijie W Yi C, Hao L, Wenjiao L, Di C, Xiaowei L, Bing X Pathogenesis of and major animal models used for nonalcoholic fatty liver disease

5. *Journal of International Medical Research* 2019, Vol. 47(4) 1453–1466

6. Torres Fernandez ED, Huffman AM, Syed M. Effect of GLP-1 Receptor Agonists in the Cardiometabolic Complications in a Rat Model of Postmenopausal PCOS.

Endocrinology. 2019. 8.:2019-00450.

7. Lovric-Bencic M, Sikiric P, Hanzevacki JS, Seiwert S, Rogic D, Kusec V, Aralica G, Konjevoda P, Batelja L, Blagaic AB. Doxorubicine-congestive heart failure-increased big endothelin-1 plasma concentration: reversal by amlodipine, losartan, and gastric pentadecapeptide BPC157 in rat and mouse. *J Pharmacol Sci.* 2004 May;95(1):19-26.

8. Sikiric P, Hahm KB, Blagaic AB, Tvrdeic A, Pavlov KH, Petrovic A, Kokot A, Gojkovic S, Krezic I, Drmic D, Rucman R, Seiwert S. Stable Gastric Pentadecapeptide BPC 157, Robert's Stomach Cytoprotection/Adaptive

Cytoprotection/Organoprotection, and Selye's Stress Coping Response: Progress, Achievements, and the Future. Gut Liver. 2019 Jun 4.

9. Sikiric P, Seiwerth S, Rucman R, Drmic D, Stupnisek M, Kokot A, Sever M, Zoricic I, Zoricic Z, Batelja L, Ziger T, Luetic K, Vlainic J, Rasic Z, Bencic ML. Stress in Gastrointestinal Tract and Stable Gastric Pentadecapeptide BPC 157. Finally, do we have a Solution? Curr Pharm Des. 2017;23(27):4012-4028.

10. Becejac T, Cesarec V, Drmic D, Hirsl D, Madzarac G, Djakovic Z, Bunjevac I, A Zenko, Sever A, Sepac A, Batelja Vuletic L, Stancic Rokotov D, Seiwerth S, Sikiric. An endogenous defensive concept, renewed cytoprotection/adaptive cytoprotection: intra(per)-oral/intraastric strong alcohol in rat. Involvement of pentadecapeptide BPC 157 and nitric oxide system. J Physiol Pharmacol. 2018 Jun;69(3

11. Wang XY, Qu M, Duan R, Shi D, Jin L, Gao J, Wood JD, Li J, Wang GD. Cytoprotective Mechanism of the Novel Gastric Peptide BPC157 in Gastrointestinal Tract and Cultured Enteric Neurons and Glial Cells. Neurosci Bull. 2019 Feb;35(1):167-170.

B. Additional

Additional literature will be provided by each teacher during their lectures.

14. Liver in a nutshell

A. Obligatory

Ralston SH, Penman ID, Mark Strachan MW, Hobson R. Davidson's Principles and Practice of Medicine. 23rd edition. Edinburgh. Churchill Livingstone/Elsevier; 2018, selected chapters

B. Additional

Jameson JL, Fauci AS, Kasper DL, Hauser SL, Longo DL. Harrison's manual of medicine. 20th edition. New York. McGraw Hill: 2020, selected chapters