

C.V. (updated in August, 2025)

Reza Nejat, M. D.,
Board-Certified Anesthesiologist,
Fellow of Critical Care Medicine,
Former Assistant Professor, Shahid Beheshti University of Medical Sciences
rezanejat.com
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Admission at University (higher education programs):

- 1- Medicine at Tehran University of Medical Sciences in 1982.
- 2- Electronic engineering at Isfahan University of Technology in 1982.

Graduated from Medical School of Tehran University of Medical Sciences in 1991.

Residency and Fellowship programmes:

- 1- Anesthesiology at Iran University of Medical Sciences. 1998; resigned.
- 2- Anesthesiology at Iran University of Medical Sciences. 2002.

Fulfilled Anesthesiology programme and graduated from Iran University of Medical Sciences in 2005. Achieved Iranian National Board certification in Anesthesiology in 2005.

- 3- Fellowship programme in Critical Care Medicine at Sina Hospital, Tehran University of Medical Sciences, Jan. 2013- July 2014

Positions:

- 1- Chief of Taybad County Hospital, Mashhad University of Medical Sciences, 1992-1994, Taybad County, Khorasan Razavi Province, Iran.
- 2- Emergency Dept of Tehranpars General Hospital 1994-2009.
- 3- Emergency Dept of Iranmehr General Hospital 1997-2000.
- 4- Chief of Imam Khomeini Firuzkuh Hospital, Shahid Beheshti University of Medical Sciences, 2006-2007, Firuzkuh, Tehran Province, Iran.
- 5- Directing Manager of Biotourism, Consultant to Deputy of Therapeutics, Shahid Beheshti University of Medical Sciences, 2007 to March, 2008
- 6- Member of Managerial Board of the Committee of Health Tourism, Consultant to The Chancellor of Shahid Beheshti University of Medical Sciences in Health Tourism, March 2008-September 2008.
- 7- Staff of Open-Heart ICU of Day General Hospital, Tehran, Iran, June 2008-September 2009.
- 8- Staff of ICU of Shohadaye Tajrish Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran, August 2008-March 2011.

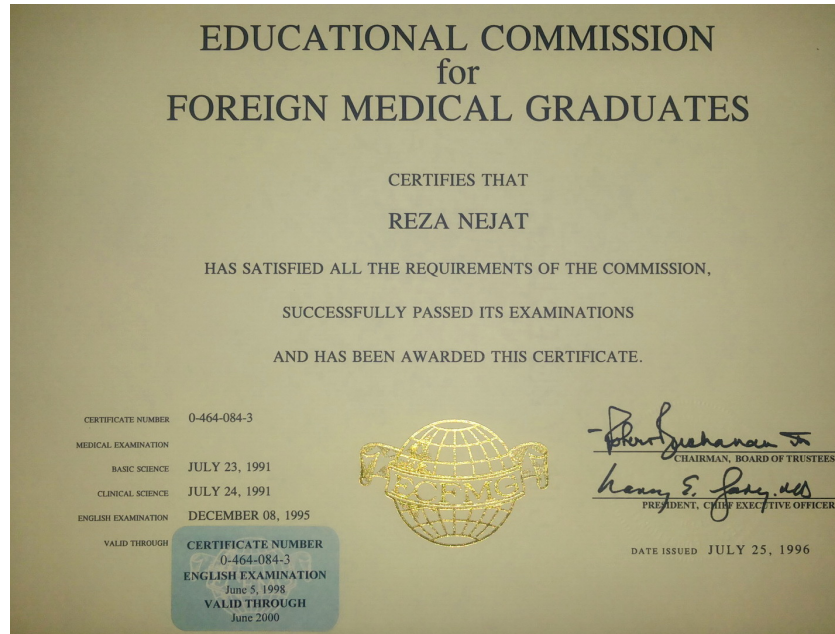
- 9- Assistant Professor, Anesthesiology Dept. at Shahid Beheshti University of Medical Sciences, Tehran, Iran, March 2011-Oct 2015:
 - a. ICU at Shohadaye Tajrish Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran, March 2011-April 2011.
 - b. 15th Khordad Hospital, OR of plastic and reconstruction surgery, Shahid Beheshti University of Medical Sciences, Tehran, Iran, April 2011-April 2012.
 - c. Taleghani Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran, April 2012-Jan 2013.
- 10- Assistant Professor, Fellow of Critical Care Medicine (FCCM), ICU, Taleghani Hospital, Shahid Beheshti University of Medical Sciences, Tehran, July 2014-May 2015
- 11- Chief of CCM Dept., Bazarganan Hospital, Feb 2016-Nov 2016
- 12- Chief of CCM Dept., Bazarganan Hospital, May 23, 2017- April 15, 2020
- 13- Staff of CCM Dept., Laleh Hospital, from April 20, 2022-June 2, 2024
- 14- Research Division, Aria Vira Academy, Oct 2024-on

International Conferences (member of organizing or scientific committee):

- 1- The 6th Euro-Global Conference on Infectious Diseases, Sep 7-9, 2017, Paris, France.
www.infection.conferenceseries.com/europe
- 2- The 29th International Conference on Public Mental Health and Neuroscience, July 16-18, 2018, Dubai, UAE.
https://www.conferenceseries.com/Past_Reports/mental-health-neurology-2018-past
- 3- The 25th Cognitive Neuroscience Congress, Nov 12-13, 2018. Dubai, UAE.
<https://cognitive.neuroconferences.com/organizing-committee.php>
- 4- The World Brain Congress. Dec 5-7, 2018. Dubai, UAE.
<https://brain.neuroconferences.com/organizing-committee.php>
- 5- The 13th Global Neurologists Meeting on Neurology and Neurosurgery Conference. November 7-8, 2019. Frankfurt, Germany.
<https://neurologists.conferenceseries.com/organizing-committee.php>
- 6- Annual Congress on Pediatric Cardiology. November 4-5, 2019. Tokyo, Japan.
<https://pediatric.cardiologymeeting.com/organizing-committee.php>
- 7- The 7th International Congress of Critical Care. January 8-10, 2020. Razi Convention Center, Tehran, Iran.
- 8- International Conference on Cardiology and Cardiovascular Diseases. Nov 19-20, 2020. Kuala Lumpur, Malaysia.
<https://cardiology.prolixconferences.com/>

International Exams:

- 1- FMGEMS: 1991, ECFMG Certificate issued in 1995.



2- TOEFL: 1995 score: 593.

3- TOEFL: 1997 score: 603, TWE:4

4- TOLIMO: 1999 score 583 (Universal percentile rank: 87).

5- IELTS: July 2008, overall score: 7.0

Invited Positions:

1- Reviewer, Medical Hypotheses Journal, Elsevier. (2021-on)



- 2- Reviewer, Springer Nature Journals
 - a. Scientific Reports
 - b. Molecular and Cellular Biochemistry
 - c. Molecular Biology Reports



- 3- Editorial Board Member, Research Journal of Cell Sciences, PRIME Open Access Publications

Lectures and Articles:

- 1- Hypomagnesemia. In the Congress of Pediatrics. Tehran University of Medical Sciences, Tehran, Iran. 1990 May 12-17.
- 2- Clinical course and cardiovascular involvement in Kawasaki's Disease. The report of the first case of coronary aneurysm in a four-month-old infant; In the Forth Congress of Cardiovascular Disorders; the Heart and Other Medical Problems. Tehran, Iran. February, 1991.
- 3- Left atrial myxoma; a case report. In Iranian Journal of Pediatrics 1991; 3(3):253-263.
- 4- Nebulizers. In the First International Congress of Intensive Care Medicine. Shahid Beheshti University of Medical Sciences. Tehran, Iran. 2002; January 22-25.
- 5- A probable case of "Hyperparathyroid-Jaw tumor Syndrome" operated with calcium level of 14.5mg/dl uneventfully. In the Third All African Anesthesia Congress, Tunis, Tunisia, 2005, May 21-25. (English)
- 6- A 47-year-old case of Tetralogy of Fallot with history of six times of normal vaginal delivery before operation in Shahid Rajaei Heart Hospital. In the Third All African Anesthesia Congress, Tunis, Tunisia, 2005, May 21-25. (English)
- 7- Hyperkalemia in renin-angiotensin-aldosterone inhibition; at www.rezanejat.com. 2005. (in Farsi)
- 8- Renin-Angiotensin-Aldosterone system; a Review article; at www.rezanejat.com. 2005. (in Farsi)
- 9- Renal artery stenosis; a Review article; at www.rezanejat.com. 2005(English)

- 10- Atherosclerosis and platelets. part one: Atherosclerosis and the function of platelets. At www.rezanejat.com. 2006(Farsi)
- 11- Atherosclerosis and platelets. part two: Atherosclerosis and aspirin. At www.rezanejat.com. 2006(Farsi)
- 12- Report of a case of stab-wound pneumopericardium and review of articles. At www.rezanejat.com (Farsi) 2006
- 13- Report of a case of chest trauma in a 70-year-old patient with 9 sites of rib fracture in the left side of the chest. At www.rezanejat.com. (English) 2007
- 14- Invasive candidiasis in intensive care unit; consensus statement from an Iranian panel of experts, July 2013; JRSM; 5(3) 1–10; DOI: 10.1177/2042533313517689
- 15- Inhibitors of LDH and Epilepsy; 2015; www.rezanejat.com
- 16- How to predict GI bleeding outcome. www.rezanejat.com
- 17- Acute heart failure. Oral presentation. The 3rd International Congress of Critical Care Medicine, Tehran, Iran. Iranian Society of Critical Care Medicine. The 20th-22nd January 2016. Abstract: www.rezanejat.com
- 18- IVIg in ICU. Oral presentation. The 3rd International Congress of Critical Care Medicine, Tehran, Iran. Iranian Society of Critical Care Medicine. The 20th-22nd January 2016. Abstract: <https://www.slideshare.net/RezaNejatMD/ivig2/secret/u9OJZdYD8BFWLf/> www.rezanejat.com
- 19- The Survey and Interpretation of Atrial Blood Gases (ABG) for physical therapists. The 4th Iranian Cardiovascular Joint Congress. Rajaei Conference Center. 1-4 March, 2016
- 20- Digoxin and its Toxicity. Oct. 2016. www.rezanejat.com
- 21- Metabolic Syndrome. Oral presentation. The 4th International Congress of Critical Care Medicine. January 12-14 Tehran, Iran.
- 22- Role of IVIG in Critical Care Medicine. Oral presentation. The 13th International Conference of Anesthesiology and Critical Care Medicine. Dec 6 -8, 2017. Tehran, Iran. <http://rezanejat.com/2017/12/09/role-of-ivig-in-critical-care-medicine/>
- 23- CPR (BLS & ACLS), CME Programme, Jan 7, 2018, Tehranpars Hospital, Tehran, IRAN.
- 24- Molecular Pathobiology of Brain Edema in Neurological Injury. *In*: Advanced Critical Care Physiology Class. Feb 7, 2018. Sina Hospital, Tehran University of Medical Sciences. <https://www.slideshare.net/RezaNejatMD/brain-edema23/> <http://rezanejat.com/2018/02/11/a-lecture-on-brain-edema/>
- 25- Drug Calculations in ICU. CME Programme, Feb 4, 2018. Bazarganan Hospital, Tehran, IRAN.
- 26- Fundamentals of Mechanical Ventilation. CME Programme, Feb 21, 2018. Bazarganan Hospital, Tehran, IRAN.
- 27- ABG Interpretation. Oral Presentation. *In*: the 6th Iranian Joint Cardiovascular Congress. Iranian Heart Association. Feb 27- March 2, 2018. Convention Center, Shaheed Rajaei Heart Hospital. Tehran, Iran. <http://rezanejat.com/2018/03/01/abg-interpretation/>
- 28- Iron and Anemia. *In*: Advanced Critical Care Physiology Class. March 7, 2018. Sina Hospital, Tehran University of Medical Sciences.

- <http://rezanejat.com/2018/03/07/iron-and-anemia-in-advanced-critical-care-physiology/>
- 29- Cardiac Rehabilitation. Oral Presentation. *In: the 2nd International and the 29th Annual Physiotherapy Congress of Iranian Physiotherapy Association.* May 9-11, 2018, Olympic Hotel, Tehran, Iran.
<https://www.slideshare.net/RezaNejatMD/cardiac-rehabilitation-125964535/>
<http://rezanejat.com/2018/05/11/cardiac-rehabilitation/>
- 30- Neuro-protective Effects of Erythropoietin. *In: the 29th International Conference on Public Mental Health and Neuroscience,* July 16-18, 2018, Dubai, UAE.
<http://rezanejat.com/2018/06/01/the-29th-international-conference-on-public-mental-health-and-neuroscience/>
<https://www.omicsonline.org/conference-proceedings/1522-4821-C2-014-001.pdf>
https://www.conferenceseries.com/Past_Reports/mental-health-neurology-2018-past
<https://m.youtube.com/watch?v=NapNnCIj5IY>
- 31- Principles of Mechanical Ventilation. CME Programme, July 29, 2018. Bazarganan Hospital, Tehran, IRAN.
- 32- ABG Interpretation. CME Programme, Sep 9, 2018. Bazarganan Hospital, Tehran, IRAN.
- 33- Cytokines and Mental Status at ICU. *In: the 25th Cognitive Neuroscience Congress.* Nov 12-13, 2018, Dubai, UAE.
<https://www.omicsonline.org/conference-proceedings/2375-4494-C2-008-013.pdf>
<https://cognitive.neuroconferences.com/>
<http://rezanejat.com/2018/10/30/the-25th-cognitive-neuroscience-congress/>
<https://youtu.be/mmf7tdSgKCQ>
- 34- A New Horizon in Neuro-protection Erythropoietin. *In: The World Brain Congress.* Dec 5-7, 2018, Dubai, UAE.
<https://brain.neuroconferences.com/>
<http://rezanejat.com/2018/11/05/world-brain-congress-dec-5-8-2018-dubai/>
<https://www.slideshare.net/RezaNejatMD/a-new-horizon-in-neuroprotection-erythropoietin>
<https://youtu.be/owgixOrkNVc>
- 35- CPR, BLS and ACLS. CME Programme, Dec 25, 2018. Bazarganan Hospital, Tehran, IRAN.
- 36- Pursuit of organ-organ interaction and cerebral dysfunction in critically ill patients. *In: the 6th International Congress on Critical Care.* Jan 9-11, 2019, Razi Convention Center, Tehran, IRAN.
<http://rezanejat.com/2019/01/11/participation-in-the-6th-annual-international-congress-on-ccm/>
<https://www.slideshare.net/RezaNejatMD/cerebral-dysfunction21>
<https://www.aparat.com/v/gerZB>
- 37- ABG Interpretation. Oral Presentation. *In: the 7th Iranian Joint Cardiovascular Congress.* Iranian Heart Association. Feb 28-30, 2019. Convention Center. Shaheed Rajaei Heart Hospital, Tehran, Iran.
<http://rezanejat.com/2019/02/11/attending-7th-iranian-joint-cardiovascular-congress/>
- 38- Erythropoietin and Neuroinflammation. *In: 11th Congress on Neuropharmacology.* May 6-7, 2019, Prague, Czech Republic.
<https://neuro.pharmaceuticalconferences.com/europe/>

<https://www.iomcworld.org/conference-abstracts-files/2469-9780-C1-008-004.pdf>
<https://www.slideshare.net/RezaNejatMD/epo-and-neuroinflammation>
<https://youtu.be/shrpEzYMEIk>

- 39- Stem Cells Therapy, A New Therapeutic Tool in Brain Injuries. *In: The 7th International Congress of Critical Care*. January 8-10, 2020. Razi Convention Center, Tehran, Iran.
<https://www.slideshare.net/RezaNejatMD/stem-cells-a-new-therapeutic-approach-to-traumatic-brain-injury>
- 40- Nejat R, Sadr AS. SARS Virus Papain-like Protease: A Mysterious Weapon. *JBE*. 2019; 5(4):288-295.
- 41- A Novel Theory about ARDS in COVID19; Webinar. Al Muthanna International Trauma Conference May 9 – 11, 2020 CME 3 Credit Al Muthanna University / Medical College.
- 42- Nejat, R.; Sadr, A.S. Are Losartan and Imatinib Effective Against SARS-CoV2 Pathogenesis? a Pathophysiologic-Based in Silico Study. *ChemRxiv*. 2020 Preprint.
<https://doi.org/10.26434/chemrxiv.12271865.v1>
- 43- Nejat, R.; Sadr, A.S.; Ebrahimi, A.; Nabati, A.; Eshaghi, E. Daily Low Dose of Erythropoietin and Neuroinflammation. *Preprints* **2020**, 2020060107
<https://doi.org/10.20944/preprints.202006.0107.v1>
- 44- Nejat, R.; Sadr, A.S.; Ebrahimi, A.; Nabati, A.; Eshaghi, E. Daily Low Dose of Erythropoietin and Neuroinflammation. Epo Might be Hazardous in COVID-19. *Preprints* **2020**, 2020060107 (doi: 10.20944/preprints202006.0107.v2).
- 45- Nejat, R.; Sadr, A.S.; Najafi, D.J. Erythropoietin and COVID-19-induced Neuroinflammation; EPO Plus Losartan Might be Promising. *JBE*. 2020; 6(2): 143-161
- 46- Nejat, R., Sadr, A.S. Are losartan and imatinib effective against SARS-CoV2 pathogenesis? A pathophysiologic-based in silico study. *In Silico Pharmacol*. 2021; **9**, 1. WHO ID: covidwho-962164
<https://doi.org/10.1007/s40203-020-00058-7>
- 47- Nejat R.; Sadr A.S.; Freitas B.T.; Crabtree J; Pegan S.D.; Tripp R.A.; Najafi D.J. Losartan Promotes Cell Survival Following SARS-CoV-2 Infection in vitro. *bioRxiv*. 2021 Jan 1. WHO ID: ppbiorxiv-424507.
<https://doi.org/10.1101/2020.12.27.424507>
- 48- Nejat, R.; Sadr, A.S.; Najafi, D.J. GPCR of Diverse Physiologic and Pathologic Effects with Fingerprints in COVID-19.
<https://www.preprints.org/manuscript/202105.0461/v1>
- 49- Nejat, R.; Sadr, A.S.; Najafi, D.J. GPCR of Diverse Physiologic and Pathologic Effects with Fingerprints in COVID-19; *In: The 1st International Electronic Conference on Biomedicine*.
<https://sciforum.net/paper/view/10261>
- 50- Nejat R., Sadr A.S., Torshizi M.F., Najafi D. G. GPCR of Diverse Physiologic and Pathologic Effects with Fingerprints in COVID-19. *Biol. Life Sci. Forum* 2021, 7(1), 19; <https://doi.org/10.3390/ECB2021-10261>
- 51- Nejat R., Sadr A.S., Freitas B., Crabtree J., Pegan S.D., Tripp R.A., Najafi D.J. Losartan Inhibits SARS-CoV-2 Replication in Vitro: Losartan promotes cell survival following SARS-CoV-2 infection in vitro. *J Pharm Pharm Sci*. 2021; 24(3):390-9.
<https://journals.library.ualberta.ca/jpps/index.php/JPPS/article/view/31931>

- 52- Nejat R., Torshizi M.F., Najafi D.J. S protein, ACE2 and Host Cell Proteases in SARS-CoV-2 Cell Entry and Infectivity; Is Soluble ACE2 a Two Blade Sword? A Narrative Review. *Vaccines* 2023; 11(2): 204
<https://doi.org/10.3390/vaccines11020204>
- 53- Nejat R. ADAM17; a sheddase involved at the crossroads of metabolism and immunity. *In: The 4th edition of World Congress on Endocrinology, Diabetes and Metabolism. Sep 7-8, 2023. Rome, Italy. (virtual)*



- 54- Nejat R. A Homeostatic Approach to COVID-19; preserving physiological boundaries of RAS. *In: The 8th International Conference on Vaccines Research and Development. Nov 6-8, 2023, Baltimore, USA. (virtual)*



Congresses invited but COULD NOT ATTEND:

- 1- IVIG in Sepsis: Review Article and Case Report of three Critically Ill Patients with Sepsis Discharged in Health. Oral presentation. The 6th Euro-Global Conference on Infectious Diseases. Sep 7-9, 2017 Paris, France/
- 2- Anti-Oxidant Micronutrients in critically ill Patients. *In: 2nd International Conference on Nutraceuticals and Food Sciences.* June 3-4, 2019, London, UK. <http://nutraceuticals.alliedacademies.com/>
- 3- Stem Cells: A New Therapeutical Tool for Brain Injuries? *In: 2nd International Conference on Central Nervous System and Therapeutics.* June 10-11, 2019, Edinburgh, Scotland. <http://cns.alliedacademies.com/>
- 4- IVIg in Sepsis: Review article and case report of four critically ill patients with sepsis discharged in health. *In: International Conference on Epidemiology and Infectious Diseases.* September 16-17, 2019. Seoul, South Korea. <https://epidemiologyconference.euroscicon.com/>

Book Translations:

- 1- Patho-physiologic Principles of Metabolism and Nutrition. In Smith and Their's Pathophysiology; The Biological Principles of Disease. W.B. Saunders, 1985, 2nd ed.
- 2- Endocrinology. In Smith and Their's Pathophysiology; The Biological Principles of Disease. W.B. Saunders, 1985, 2nd ed.
- 3- The Urinary System and The Pathophysiology of Body Fluids & Parenteral Fluid Therapy. In Behrman and Vaugan's Nelson Textbook of Pediatrics. W.B. Saunders, 1987, 13th ed.

Book: Translation and Authoring:

- 1- The Cardiovascular System. In Behrman and Vaugan's Nelson Textbook of Pediatrics. W.B. Saunders, 1994, 15thed., appended with some parts on echocardiography, embryology of the heart, cyanosis, CPR.
- 2- Acute Heart Failure. *In: Comprehensive Textbook of Therapeutics.* 2nd ed. Tehran: Abadiss Teb Publications, 2017. p: 210-226.
In 2020, this textbook achieved the distinguished scholarly book award of the year in Iran.

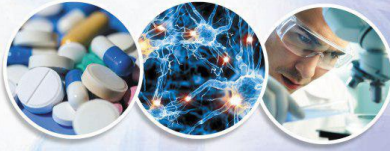


جلد ۱

درسنامه جامع درمان شناسی

درسنامه
جامع

Comprehensive Textbook of Therapeutics



تألیف: گروه نویسندگان
درمان شناسی

تألیف: گروه نویسندگان
سرپرست گروه نویسندگان
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دکتر مجتبیٰ مجتهدزاده
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"Comprehensive Textbook of Therapeutics" consists of 17 sections and 115 chapters which has been developed by Iranian experts in clinical pharmacy with a practical approach and based on the available resources. This series discuss various diseases and principle of pharmacotherapy in details. Goals of treatment and principles of disease management have been described for each disease and then the mechanism of drug action, adverse effects, efficacy and advantages and disadvantages have been discussed.
We hope that the contents of this book are useful for students, pharmacists, physicians and all health care professionals in our country, and could be beneficial for the improvement of treatment quality and the patients care.

کتاب درسنامه جامع درمان شناسی مجموعه ای شامل ۱۷ بخش و ۱۱۵ فصل می باشد که توسط متخصصین داروسازی داخلی کشور با رویکردی آموزشی و منطبق بر امکانات موجود تدوین شده است. این مجموعه ضمن معرفی سبب بی حاشی مختلف، اصول دارو درمانی را به تفصیل مورد بحث قرار می دهد. از مورد هر بیماری، اهداف و اصول کلی درمان بیان شده است و سپس داروهای مطرح با ذکر نحوه عملکرد مولکولی، خاصیت اثر بخشی و مزایا و معایب مورد بحث قرار می گیرند.
امید است مجموعه مطالب این کتاب مورد توجه و استفاده دانشجویان داروسازی، پزشکان و همکاران جامعه درمان و سلامت کشور قرار گیرد و از این طریق بتواند در جهت بهبود کیفیت درمان و مراقبت از بیماران راه گشا باشد.