

**DESCRIPTION OF COURSE UNIT FOR DOCTORAL STUDIES
AT VILNIUS UNIVERSITY**

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| Scientific Area/eas, Field/ds of Science | Medical and Health Sciences (M 000): Medicine (M 001) | | | |
| Faculty, Institute, Department/Clinic | Faculty of medicine Institute of Clinical Medicine Clinic of Internal Diseases, Family Medicine and Oncology | | | |
| Course unit title (ECTS credits, hours) | Fundamentals of Care for Multiple Diseases in Family Medicine 5 (135 hours) | | | |
| Study method | Lectures | Seminars | Consultations | Self-study |
| Number of ECTS credits | - | 0.5 | 1.5 | 3 |
| Method of the assessment (in 10 point system) | The exam is conducted in writing. There are 3 questions. | | | |
| PURPOSE OF THE COURSE UNIT | | | | |
| To teach PhD students, to apply the basic principles of family medicine in the care of patients with multiple diseases. | | | | |
| THE MAIN TOPICS OF COURSE UNIT | | | | |
| <p>The Core Competencies of the family physician: primary care management, person-centred care, specific problem solving skills, comprehensive approach, community orientation, holistic modelling.</p> <p>Multimorbidity prevalence. Effects of multimorbidity on healthcare resource use. Multimorbidity and the Primary Care. Multimorbidity and Patient - Centered Care. Multimorbidity and the Healthcare Electronic Medical Record. Treatment burden and multimorbidity. Multimorbidity and mental health.</p> <p>The impact of multimorbidity on quality and safety of health care. Implications of multimorbidity for health policy. Optimizing outcomes in multimorbidity.</p> <p>Definition of multimorbidity and associated terminology. Challenges arising from a lack of consensus regarding definition. The scale and impact of the problem. Descriptive epidemiology: multimorbidity prevalence and incidence. Descriptive epidemiology: patterns of multimorbidity. Assessment of frailty.</p> <p>Impact of multimorbidity on patients' lives. Impact of multimorbidity on caregivers. Impact of multimorbidity on healthcare professionals. Economic burden of multimorbidity.</p> <p>Determinants of multimorbidity. Challenges in understanding the determinants of multimorbidity. Potential determinants of multimorbidity. Determinants of clusters of conditions. Management of multimorbidity. Prevention of multimorbidity. Current treatment strategies for multimorbidity. Better models of healthcare for treating patients with multimorbidity.</p> | | | | |
| RECOMMENDED LITERATURE SOURCES | | | | |
| <ol style="list-style-type: none"> Usatine RP, Smith MA, Mayeaux, Jr. EJ, Chumley HS. eds. The Color Atlas and Synopsis of Family Medicine, 3e. McGraw Hill; 2019. Accessed August 29, 2022. https://accessmedicine.mhmedical.com/content.aspx?bookid=2547&sectionid=206775136 | | | | |

2. South-Paul JE, Matheny SC, Lewis EL. eds. CURRENT Diagnosis & Treatment: Family Medicine, 5e. McGraw Hill; 2020. Accessed August 29, 2022. <https://accessmedicine.mhmedical.com/content.aspx?bookid=2934§ionid=247396022>
3. M. Boyd C, Seel Ritchie C. Addressing Multimorbidity. In: Walter LC, Chang A, Chen P, Harper G, Rivera J, Conant R, Lo D, Yukawa M. eds. Current Diagnosis & Treatment Geriatrics, 3e. McGraw Hill; 2021. Accessed August 29, 2022. <https://accessmedicine.mhmedical.com/content.aspx?bookid=2984§ionid=250007164>
4. Blaum CS, Naik AD. Patient-Centered Management of Chronic Diseases. In: Halter JB, Ouslander JG, Studenski S, High KP, Asthana S, Supiano MA, Ritchie CS, Schmader K. eds. Hazzard's Geriatric Medicine and Gerontology, 8e. McGraw Hill; 2022. Accessed August 29, 2022. <https://accessmedicine.mhmedical.com/content.aspx?bookid=3201§ionid=266646670>
5. Jurevičienė, Elena; Burneikaitė, Greta; Dambrauskas, Laimis; Kasiulevičius, Vytautas; Kazėnaitė, Edita; Navickas, Rokas; Purnaitė, Roma; Smalytė, Giedrė; Visockienė, Žydrūnė; Danila, Edvardas. Epidemiology of chronic obstructive pulmonary disease (COPD) comorbidities in Lithuanian national database: a cluster analysis // International journal of environmental research and public health. Basel: MDPI. eISSN 1660-4601. 2022, vol. 19, iss. 2, art. no. 970, p. [1-14]. DOI: 10.3390/ijerph19020970.
6. Bliūdžius, Antanas; Purnaitė, Roma; Trinkūnas, Justas; Jakaitienė, Audronė; Kasiulevičius, Vytautas. Research on physical activity variability and changes of metabolic profile in patients with prediabetes using Fitbit activity trackers data // Technology and health care. Amsterdam: IOS Press. ISSN 0928-7329. eISSN 1878-7401. 2022, vol. 30, no. 1, p. 231-242. DOI: 10.3233/THC-219006.
7. Nedzinskienė, Laura; Jurevičienė, Elena; Visockienė, Žydrūnė; Ulytė, Agnė; Purnaitė, Roma; Kasiulevičius, Vytautas; Kazėnaitė, Edita; Burneikaitė, Greta; Navickas, Rokas. Structure and distribution of health care cost across age groups of patients with multimorbidity in Lithuania // International journal of environmental research and public health. Basel: MDPI. ISSN 1661-7827. eISSN 1660-4601. 2021, vol. 18, no. 5, art. no. 2767, p. [1-13]. DOI: 10.3390/ijerph18052767.
8. Jurevičienė, Elena; Onder, Graziano; Visockienė, Žydrūnė; Purnaitė, Roma; Petrikonytė, Dovilė; Gargalskaitė, Urtė; Kasiulevičius, Vytautas; Navickas, Rokas. Does multimorbidity still remain a matter of the elderly: Lithuanian national data analysis // Health policy: Elsevier Ireland Ltd. ISSN 0168-8510. eISSN 1872-6054. 2018, Vol. 122, no 6, p. 681-686. DOI: 10.1016/j.healthpol.2018.03.003.
9. Wu Y, Levis B, Sun Y, Krishnan A, He C, Riehm KE, Rice DB, Azar M, Yan XW, Neupane D, Bhandari PM, Imran M, Chiovitti MJ, Saadat N, Boruff JT, Cuijpers P, Gilbody S, McMillan D, Ioannidis JPA, Kloda LA, Patten SB, Shrier I, Ziegelstein RC, Henry M, Ismail Z, Loiselle CG, Mitchell ND, Tonelli M, Al-Adawi S, Beraldi A, Braeken APBM, Büel-Drabe N, Bunevicius A, Carter G, Chen CK, Cheung G, Clover K, Conroy RM, Cukor D, da Rocha E Silva CE, Dabscheck E, Daray FM, Douven E, Downing MG, Feinstein A, Ferentinos PP, Fischer FH, Flint AJ, Fujimori M, Gallagher P, Gandy M, Goebel S, Grassi L, Härter M, Jenewein J, Jetté N, Julião M, Kim JM, Kim SW, Kjærgaard M, Köhler S, Loosman WL, Löwe B, Martin-Santos R, Massardo L, Matsuoka Y, Mehnert A, Michopoulos I, Misery L, Navines R, O'Donnell ML, Öztürk A, Peceliuniene J, Pintor L, Ponsford JL, Quinn TJ, Reme SE, Reuter K, Rooney AG, Sánchez-González R, Schwarzbald ML, Senturk Cankorur V, Shaaban J, Sharpe L, Sharpe M, Simard S, Singer S, Stafford L, Stone J, Sultan S, Teixeira AL, Tiringier I, Turner A, Walker J, Walterfang M, Wang LJ, White J, Wong DK, Benedetti A, Thombs BD. Probability of major depression diagnostic classification based on the SCID, CIDI and MINI diagnostic interviews controlling for Hospital Anxiety and Depression Scale - Depression subscale scores: An individual participant data meta-analysis of 73 primary studies. J Psychosom Res. 2020 Feb;129:109892. doi: 10.1016/j.jpsychores.2019.109892. Epub 2019 Dec 13. PMID: 31911325
10. Wu Y, Levis B, Sun Y, He C, Krishnan A, Neupane D, Bhandari PM, Negeri Z, Benedetti A, Thombs BD; DEPRESSion Screening Data (DEPRESSD) HADS Group. Accuracy of the Hospital Anxiety and Depression Scale Depression subscale (HADS-D) to screen for major depression: systematic review and individual participant data meta-analysis. BMJ. 2021 May 10;373:n972. doi: 10.1136/bmj.n972. Erratum in: BMJ. 2021 May 19;373:n1231. PMID: 33972268; PMCID: PMC8107836.

| CONSULTING LECTURERS |
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| 1. <u>Coordinating lecturer</u> : Vytautas Kasiulevičius (Prof. Dr.). |
| 2. Neringa Burokienė (Assoc. Prof. Dr.). |
| 3. Jūratė Pečeliūnienė (Assoc. Prof. Dr.). |
| 4. Lina Vencevičienė (Assoc. Prof. Dr.). |
| APPROVED: |
| By Council of Doctoral School of Medicine and Health Sciences at Vilnius University: 29 th of September 2022 |
| Chairperson of the Board: Prof. Janina Tutkuvienė |