



**82<sup>nd</sup> International Scientific  
Conference of the  
University of Latvia 2024**

5 April 2024

**International Scientific  
Conference on Medicine**

House of Science, Jelgavas iela 3, Rīga

## PROGRAM OVERVIEW

**8:45-9:15**     **Registration** Entrance Hall, 1<sup>st</sup> floor  
**9.15-10.30**   **Opening of the conference | Plenary Session** Alfa Hall, 1<sup>st</sup> floor

### ORAL PRESENTATIONS

**10:45-12:45**   **Cardiovascular Medicine** Room 103, 1<sup>st</sup> floor  
                  **Public Health & Epidemiology** Room 203, 2<sup>nd</sup> floor  
                  **Pharmacy** Room 105, 1<sup>st</sup> floor  
                  **Paediatrics** Room 106, 1<sup>st</sup> floor  
                  **Internal Medicine** Room 204, 2<sup>nd</sup> floor

**13:00-14:00**   **Coffee Break**

**14:00-16:00**   **Ophthalmology** Room 103, 1<sup>st</sup> floor  
                  **Surgery, Traumatology & Orthopaedics** Room 203, 2<sup>nd</sup> floor  
                  **Anaesthesiology & Reanimatology** Room 105, 1<sup>st</sup> floor  
                  **Basic Medical Science** Room 106, 1<sup>st</sup> floor  
                  **Infectious Diseases & Pulmonology** Room 204, 2<sup>nd</sup> floor

**16:15-18:15**   **Gynaecology & Obstetrics** Room 203, 2<sup>nd</sup> floor  
                  **Mental Health** Room 105, 1<sup>st</sup> floor  
                  **Oncology** Room 106, 1<sup>st</sup> floor

### POSTER PRESENTATIONS 2<sup>nd</sup> floor atrium

**12:00-13:45**   **Basic Medical Science & Pharmacy**

**14:00-14:30**   **Cardiovascular Medicine**  
**14:00-15:00**   **Paediatrics**  
**14:00-15:15**   **Neurology & Oncology**

**14.30-16.20**   **Public Health & Nursing**  
**15:00-15:40**   **Mental Health**

**16:00-16:15**   **Ophthalmology**  
**16:00-17:00**   **Anaesthesiology & Reanimatology**  
**16:00-17:15**   **Internal Medicine**



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**Opening of the conference |  
Plenary Session**

5 April 2024, 9:15-10:30

Alfa Hall, 1<sup>st</sup> floor

**9:15 Opening of the conference**

Prof. Valdis Folkmanis, Dean of the UL Faculty of Medicine  
Prof. Gundars Bērziņš, Rector of the University of Latvia

**9:30 High energy protons, helium and carbon ions -  
perspectives for medicine and beyond**

**Muižnieks Indriķis**, Dr. hab. biol.  
Professor, University of Latvia, Latvia

**10:00 Development of novel patient-derived  
preclinical models for cancer research**

**Riekstiņa Una**, PhD  
Tenured Professor, University of Latvia, Latvia

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**Cardiovascular Medicine**

5 April 2024, 10:45-12:45

Room 103, 1<sup>st</sup> floor

**Session moderators: Andrejs Ērglis, Gustavs Latkovskis**

**10:45 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Paediatric ischemic stroke associated with cardiac disorders Children's Clinical University Hospital 2018-2022

**Zgirska Anete**, Ligere Elīna, Loiko Sofija, Toločkina Milana Marija, Mutjanko Anna

Is the aortic augmentation index associated with cardiovascular events among Lithuanian subjects with metabolic syndrome?

**Girkantaite Zivile**, Juceviciene Agne, Badariene Jolita

Systemic immune inflammation index - a predictor of coronary atherosclerotic lesions

**Liuzė Agnė**, Mongirdienė Aušra, Laukaitienė Jolanta, Ramantauskaitė Grytė

Combined prognostic value of non-invasive diagnostic tests in chronic heart failure patients

Rimšaitė Urtė, Džikevičiūtė Kornelija, **Ališauskas Andrius**

Use of machine learning models to predict the level of Trimethylamine N-oxide

**Veržbickis Daņiils**, Latkovskis Gustavs

Complex coronary bifurcation treatment

**Vasecko Anastasija**, Laduss Arnis, Kumsars Indulis, Bolsteina Eva, Camane Evija, Erglis Andrejs, Trusinskis Karlis, Latkovskis Gustavs, Sondore Dace, Narbutė Inga, Dombrovska Kristine, Dombrovskis Andis, Briede Ieva, Lismanis Aigars, Rudzitis Ainars, Jegere Sanda

Comparison of various measurement methods for low-density lipoprotein cholesterol in hypercholesterolemic patients without severe hypertriglyceridemia

**Ozoliņa Marta Anna**, Ņesterovičs Georgijs, Latkovskis Gustavs

Comprehensive analysis of echocardiographic and clinical features in patients with hypertrophic cardiomyopathy

**Petkutė Ieva**, Vaitiekienė Audronė, Plisienė Jurgita, Biesevičienė Monika

Comparison of coronary artery bypass grafting performed by junior surgeons using single mammary artery grafting versus bilateral mammary arteries

**Nikitina Anastasija**, Erglis Martins, Kalejs Martins

Temporal trends in stress echocardiography over the 20 years period

**Balkevičienė Laura**, Čelutkienė Jelena, Satkauskienė Saulė, Petkevičius Linas, Burneikaitė Greta



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**Public Health & Epidemiology**

5 April 2024, 10:45-12:45

Room 203, 2<sup>nd</sup> floor

**Session moderators: Signe Mežinska, Juris Bārzdiņš**

**10:45 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Ethical issues in translational research for Alzheimer's disease

**Mežinska Signe**, Poplavska Elita

Dermatology outpatient clinic appointment attendance rate by gender and age: a single-centre experience

**Ķiecis Edgars**, Vasiļjeva Jekaterina

Evaluating the reliability of AI-generated answers to data science questions

**Vāvere Anda Lita**, Degtjarjovs Ilja, Erts Renārs, Reine Samanta, Trofimova Liāna, Seimane Sandra

Traffic injury mortality trends in children and young people aged 0 to 19 years by road users from 1998 to 2020 in Lithuania

**Strukcinskiene Birute**, Papadakaki Maria, Jurgaitis Jonas, Steponkus Darius, Genowska Agnieszka

Timely assessment of cognitive functions for patients with multimorbidity in the primary health care settings

**Alšauskē Silvija Valdonē**, Liseckienē Ida, Macijauskienē Jūratē, Česnulevičienē Aistē, Neverauskē Vitalija, Micevičienē Ramutē, Valius Leonas

Leveraging artificial intelligence for optimal research type selection in medicine

**Reine Samanta**, Trofimova Liāna, Erts Renārs, Vāvere Lita Anda, Degtjarjovs Ilja

Participation of young Lithuanian citizens in preventive health care

**Špečkauskienē Vita**, Lieponytė Austėja, Poderytė Renata, Paukštaitienė Renata

Patients' perspective and attitude on sexual health history taking in family physician office

**Ziemele-Lācīte Renāte**, Tīcmane Gunta, Strautmane Inese

Navigating the complexity of sarcomas: a retrospective study from Latvia

**Degtjarjovs Ilja**, Erts Renārs, Rimšāns Armands, Trofimova Liāna, Šakina Silvija, Vāvere Anda Lita

Histopathological comparison of salivary gland tumours

**Brice Lelde**, Nusberga Evija Anna

Associations between lifestyle, oral hygiene status and circulatory system

**Šileikienē Lolita**, Papiėvienė Giedrė, Ričardas Radišauskas, Rima Kregždytė



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**Pharmacy**

5 April 2024, 10:45-12:45

Room 105, 1<sup>st</sup> floor

**Session moderators: Zane Dzirkale, Vadims Parfejevs**

**10:45 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

A comparative analysis of antioxidant activity in ultrasound-assisted extractions of *Artemisia annua* L. and *Artemisia vulgaris* L. utilizing diverse excipients

**Nemickaitė Emilija**, Ivanauskas Liudas, Marksa Mindaugas, Bernatoniene Jurga

Characterization and optimization of an in vitro model of hepatic steatosis

**Kopiks Kirills**, Jēkabsons Kaspars, Kaļķe Kitija, Vavutkina Kristīne Laura, Petrova Marija, Namniece Jana, Muceniece Ruta

Development of the biomass production protocol for microalgae *Nannochloropsis* spp. and scaling up on an automated bubble column photobioreactor system to extract polyunsaturated fatty acids

Ērglis Kristaps, **Patetko Liene**, Jakobsons Ēriks, Romanovskis Jānis, Mauriņa Inese, Stunda-Zujeva Agnese, Berele Megija, Muižnieks Indriķis, Ērglis Andrejs

Assessment of antioxidant activity in Latvian sea buckthorn cultivars after enzymatic treatment to separate juice and oil, intended to produce functional food products

**Romanovska Aija**, Ērglis Kristaps, Jakobsons Ēriks, Romanovskis Jānis, Bartkevics Vadims, Avena Anita, Mauriņa Inese, Muižnieks Indriķis, Ērglis Andrejs

The microbiological stability assessment of sports supplements inactivated with wet and dry heat treatment

**Jakobsons Ēriks**, Ērglis Kristaps, Romanovskis Jānis, Mauriņa Inese, Muižnieks Indriķis, Ērglis Andrejs

Evaluation of antimicrobial properties of Walnut septum

**Ževžikovaitė Nerija**, Svidinskaitė Raminta, Ževžikovienė Augusta, Ževžikovas Andrejus

Chemical composition, hepatoprotective, antioxidant and antiglycation effects of nettle leaf water extracts in in vitro assays

**Kalke Kitija**, Kviesis Jorens, Jansons Aris, Kopiks Kirills, Jēkabsons Kaspars, Vavutkina Kristīne Laura, Petrova Marija, Saleniece Kristīne, Namniece Jana, Muceniece Ruta

Female patients with cardiovascular diseases are treated with lower statin doses when used in combination with ezetimibe in Latvia

**Praskilevics Arturs**, Urtane Inga, Latkovskis Gustavs

Innovative synthesis of modified Prussian Blue-activated carbon composites for enhanced sorption of metal ions in radioactive fallout scenarios

**Eismonts Ugis**, Actins Andris, Saleniece Kristīne, Reinholds Ingars, Aldis Zekunde, Kizane Gunta, Grinbergs Andrejs

Does directional hemispherical reflectance distinguish between cefuroxime tablets stored under different conditions?

**Meisner Michał**, Szulc-Musiół Beata, Sarecka-Hujar Beata

High molecular weight polysaccharides and heteropolysaccharides as a source of new prebiotics isolated from mushrooms of the genus *Cantharellaceae*

**Arbidans Lauris**, Raiska Madara, Klūga Rihards, Dobkeviča Linda, Meiere Diāna, Leičūnaite Jeļena, Kviesis Jorens





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**Paediatrics**

5 April 2024, 10:45-12:45

Room 106, 1<sup>st</sup> floor

**Session moderator: Ingrīda Rumba-Rozenfelde**

**10:45 Heart failure in children: treatment options**

**Ovrutski Stanislav**

Deutsches Herzzentrum der Charite, Germany

**11:05 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Incidence of subclinical synovitis in juvenile idiopathic arthritis patients with different disease activity levels

**Jakučionis Paulius**, Šnipaitienė Aušra, Uktveris Rimantas, Rima Šileikienė, Asta Baranauskaitė, Jankauskaitė Lina

Epidemiology of pediatric brain tumours in Latvia

**Kalnins Ritvars**, Bricis Raimonds, Vvedenskis Sergejs, Vahbe Basels Jakubs, Ozolins Davis

Left-to-right shunt congenital heart defects and their treatment in Latvia from 2019 to 2023

**Žmarjova Jūlija**, Ozoliņš Valts, Rumba-Rozenfelde Ingrīda, Ovrutski Stanislav

Associations between neonatal hyperbilirubinemia in late-preterm infants and neonatal risk factors

**Masionytė Justina**, Miliūnaitė Gabrielė, Stonienė Dalia

Antimicrobial resistance genes and resistance mechanisms in children's gut microbiome in the first years of life

**Zelča Egija**, Gudrā Dita, Kārklīņa Daiga, Peterlevica Jana, Zaharova Margarita, Zaharova Larisa, Fridmanis Dāvids, Rumba-Rozenfelde Ingrīda, Daugule Ilva

Terminated pregnancies due to fetal anomalies, 2012-2021

**Zile-Velika Iriša**, Ebela Inguna, Taurina Gita, Auzenbaha Madara, Baltane Zane, Rumba-Rozenfelde Ingrida

Acute childhood myositis: a retrospective analysis of patients presenting to PED

**Šlegerytė Andželika**, Bartkus Dovydas, Šnipaitienė Aušra, Jankauskaitė Lina

Diagnosis and treatment of tonsillopharyngitis compliance with Centor criteria in the pediatric population in general practitioners' offices of Pierīga region

**Marija Baida**, Jurģe Paula, Geižāne Dārta

Survey on aspects affecting the health and development of children from the perspective of the 2016 United Nations Recommendations to Latvia

Ebela Inguna, **Mikāla Elizabete**, Ražuks-Ebels Mārtiņš, Ražuka-Ebela Danute



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**Internal Medicine**

5 April 2024, 10:45-12:45

Room 204, 2<sup>nd</sup> floor

**Session moderators: Kristīne Geldnere, Aldis Puķītis**

**10:45 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Data-driven cluster analysis of CGM data of type 1 diabetes mellitus patients

Luganceva Anastasija, **Dragune Rebeka**, Lobanovs Sergejs, Mihailovs Timurs, Sourij Harald, Moser Othmar, Pīrāgs Valdis, Kistkins Svjatoslavs, Bļiznuks Dmitrijs

Association between estimated glucose disposal rate and micro- and macrovascular complications in type 1 diabetes

**Baranova Jana**, Fedulovs Aleksejs, Sokolovska Jelizaveta

Evaluation of inflammatory markers for patients with type 1 diabetes

**Lozins Roberts**, Sokolovska Jelizaveta, Fedulovs Aleksejs

Multidisciplinary approach analysis of systemic lupus erythematosus patients at Pauls Stradiņš Clinical University Hospital

**Elksnina-Finogejeva Agnese**, Buliņa Inita, Andersone Daina

Diabetic foot complications in Pauls Stradiņš Clinical University Hospital Department of Endocrinology

**Krēsliņa Ieva**, Geldnere Kristīne

Analysis of factors influencing the development of lipohypertrophy in patients with type 1 diabetes mellitus

**Salmiņa Liene**, Geldnere Kristīne

Clinical patterns and management of asymptomatic primary hyperparathyroidism: a comprehensive study of 3-year-data

**Stūrīte Diāna**, Rasa Ingvars

Chromogranine A association with the degree of gastroenteropancreatic neuroendocrine neoplasm morphology

**Šenterjakova Natalja**, Viļisova Sofija, Puķītis Aldis, Geriņa Aija

Atrophic gastritis and gastric cancer: analysing the predictive power of Operative Link on Gastritis Assessment and Operative Link on Gastric Intestinal Metaplasia stages

**Naļivaiko Paula**, Ļoļāne Margarita, Bogdanova Inga, Poļaka Inese, Liepniece-Karele Inta, Tolmanis Ivars, Tarasenko Yelena, Leja Mārcis

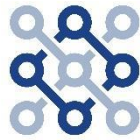
Comparison of rescue therapy in steroid refractory acute severe ulcerative colitis: a single-centre retrospective study

**Karpavičiūtē Vita**, Kiudelis Gediminas, Kupčinskas Juozas, Kupčinskas Limas

Determination of lymph node status in patients with colon cancer by using preoperative CT scan

**Belusa Anastasija**, Kalējs Verners Roberts, Radziņa Maija





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**Ophthalmology**

5 April 2024, 14:00-16:00

Room 103, 1<sup>st</sup> floor

**Session moderators: Kristīne Baumane, Gunta Blezūra-Ūdre**

**14:00 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Microcirculatory and foveal avascular zone changes in smoking patients

**Kudins Kaspars**, Baumane Kristīne

Changes in macular and peripapillary microvascular density after gonioscopy-assisted transluminal trabeculotomy and trabeculectomy

**Solomaha Viktorija**, Blezura- Udre Gunta, Baumane Kristine

Microvascular changes in eye tissues among patients with different stages of cardiovascular risks

**Blumberga Laura**, Briede Elīza, Baumane Kristīne

Long-term evaluation of postoperative refractive outcomes after IOL implantation. Comparison of the accuracy of five intraocular lens power calculation formulas

**Medvedeva Daria**, Martinova Viktorija, Koleda Anastasija, Solomatins Igors

Changes in corneal endothelium and anterior chamber angle after cataract surgery in patients with pseudoexfoliation syndrome

**Avotiņa Elīza**, Baumane Kristīne

Effect of ocular pseudoexfoliative syndrome on target refraction in patients after cataract surgery

**Vaģele Anita**, Baumane Kristīne

Short-term endothelial cell changes in pseudoexfoliative glaucoma patients after gonioscopy-assisted transluminal trabeculotomy with polypropylene suture

**Blezura-Udre Gunta**, Petersone Dace, Puce Guna, Baumane Kristine

Visual performance after implantation of two different intraocular lenses for the correction of presbyopia: trifocal and extended field of vision

**Koleda Anastasija**, Medvedeva Daria, Solomatins Igors

Association of STAT4 gene polymorphisms (rs10181656, rs7574865, rs7601754, rs10168266) with age-related macular degeneration in relation to age

**Blekeris Tomas**, Gedvilaite Greta, Kaikaryte Kriste, Kriauciuniene Loresa, Zaliuniene Dalia, Liutkeviciene Rasa

Analysis of genotype and phenotype correlation in patient group with Stargardt disease

**Neverauskaitė Gabrielė**, Traberg Rasa

ZNF676 rs412658 gene polymorphism and leukocyte telomere length correlations with myopia degree

**Duseikaite Monika**, Vilkeviciute Alvita, Kunceviciene Edita, Gedvilaite Greta, Liutkeviciene Rasa

KDR gene variant association with exudative AMD in males

**Vilkevičiūtė Alvita**, Čebatorienė Džastina, Kriauciūnienė Loresa, Liutkevičienė Rasa



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**Surgery, Traumatology & Orthopaedics**

5 April 2024, 14:00-16:00

Room 203, 2<sup>nd</sup> floor

**Session moderators: Igors Ivanovs, Sergejs Zadorožnijs**

**14:00 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Comparison of in-hospital complications in total hip arthroplasty depending on the type of femoral component's fixation in elderly patients with osteoarthritis

**Kopiks Kirills, Zadorožnijs Sergejs**

Acromioclavicular joint related quality of life and outcome after acromioclavicular joint stabilization with Hook plate

**Neilande Nelda**

The expression of collagen neoepitope C2C in the articular cartilage and its relation with joint tissue damage in patients with knee osteoarthritis

**Torga Taavi, Suutre Siim, Kisand Kalle, Aunapuu Marina, Arend Andres**

A comprehensive assessment protocol for evaluating ACL reconstruction outcomes and return-to-sport in comparison to a control cohort

**Vilks Svens**

A comparison of patient satisfaction and quality of life after transabdominal preperitoneal inguinal hernioplasty with self-gripping mesh and Lichtenstein hernioplasty

**Vecumnieks Matiss, Grinovs Glebs, Ivanovs Igors**

Use of artificial intelligence in liver transplantation for prediction of graft survival: Vilnius University Santaros Clinics experience

Gulla Aiste, Dzemyda Gintautas, Strupas Kestutis, Juchneviciute Ivona, **Jakiunaite Ieva**, Sidabraite Agne

Comparison of diagnostic methods for lower limb arterial blood supply

**Latiševa-Čudare Santa, Jezupovs Arnolds**

Laparoscopic vs. open gastric resections. The first-time experience at Riga East Clinical University Hospital

**Tamans Zigurds, Ivanovs Igors, Pčolkins Andrejs**

Assessment of quality of life before and after bariatric surgery

**Bīlande Guna, Arisova Marina, Aizbalte Olga, Salmiņa Marta, Zolovs Maksims, Levenšteins Mārtiņš, Mukāns Maksims, Troickis Igors, Meija Laila, Lejnieks Aivars, Šlisere Baiba, Rosser Elizabeth, Oļeinīka Kristīne**



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**Anaesthesiology & Reanimatology** 5 April

2024, 14:00-16:00

Room 105, 1<sup>st</sup> floor

**Session moderators: Aleksejs Miščuks, Iveta Golubovska, Sigita Kazūne**

**14:00 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Comparison of pain intensity according to patient gender on the first post-operative day	<b>Kalita Evita</b> , Golubovska Iveta, Cernavska Inta, Miscuks Aleksejs, Zadoroznijs Sergejs
Correlation of corrected carotid artery flow time with left ventricular outflow tract velocity time integral after mini fluid challenge for assessment of fluid responsiveness	<b>Putka Krišjānis</b> , Kazūne Sigita, Būce–Šatoba Ieva
Complications of tracheal intubation in children under 2 years of age during general anaesthesia	<b>Gabrāne Līga</b> , Bārzdiņa Arta, Veģeris Ivars
Administration strategies of propofol during paediatric magnetic resonance imaging	<b>Dāle Dita</b> , Veģeris Ivars, Bārzdiņa Arta, Guļina Marina, Bormotovs Jurijs, Casnó Guna, Nemme Patrīcija
The impact of cerebral hemodynamics on outcome in patients with raised intracranial pressure	<b>Ozoliņš Kārlis</b> , Mutjanko Anna, Toločkina Milana Marija, Eņģele Ilze, Būce-Šatoba Ieva
Central venous catheter fixation: an evaluation of diverse suturing strategies	<b>Lazdāne Anastasija</b> , Homenko Artjoms, Kazūne Sigita
Pharmacokinetic evaluation of cefazolin antimicrobial prophylaxis in spinal surgery	<b>Justīns Stivriņš</b> , Sigita Kazūne
Effectiveness of transversus abdominis plane block after ileostomy closure surgery	<b>Sedova Oksana</b> , Antonova Aļona, Ozoliņa Agnese
Arytenoid asymmetry and laryngeal mask malposition: an ultrasonographic study	<b>Pētersons Kārlis</b> , Kazūne Sigita, Miščuks Aleksejs, Golubovska Iveta



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**Basic Medical Science**

5 April 2024, 14:00-16:00

Room 106, 1<sup>st</sup> floor

**Session moderators: Una Riekstiņa, Baiba Jansone**

**14:00 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Effects of glutapyrone on DNA integrity in vitro and in vivo	Dišlere Kristīne, Elīna Ļeonova, Rostoka Evita, <b>Bisenieks Egils, Sjakste Nikolajs</b>
Predictive modeling of medication adherence using blood analysis results: a neural network approach	<b>Lauva Anna</b> , Erts Renārs, Seimane Sandra
Development of in vitro bone marrow niche model system for Acute myeloid leukaemia therapy resistance screening	<b>Blāķe Ilze</b> , Rostoka Evita, Riekstiņa Una
MYBPC1-associated myopathy with myogenic tremor, a study of an animal model	<b>Stavusis Janis</b> , Zdanovica Anna, Lunge Megija, Zayakin Pawel, Upite Jolanta, Dzirkale Zane, Alnis Janis, Lace Baiba, Jansone Baiba, <b>Inashkina Inna</b>
Organ-on-a chip model of primary human pancreatic ductal adenocarcinoma	<b>Parfejevs Vadims</b> , Goluba Karīna, Rostoka Evita, Jēkabsons Kaspars, Kunrade Līga, Neimane Anastasija, Blāķe Ilze, Rimša Roberts, Pčolkins Andrejs, Riekstiņa Una
Melatonin demonstrates antiviral potential in human gastrointestinal organoids through modulation of stat protein expression	<b>Šeškutė Milda</b> , Žukaitė Dominyka, Laucaitytė Goda, Jankauskaitė Lina
Characterisation of Plasmodium spp. lactate dehydrogenase specific aptamer binding affinity and selectivity	<b>Osīte Laura</b> , Kunrade Līga, Pleiko Karlis, Goluba Karina, Parfejevs Vadims, Baldrich Rubio Eva, Riekstina Una
Selection of urothelial carcinoma biomarker Nectin-4 selective aptamers for the development of targeted therapeutics	<b>Sunteiks Kristaps</b> , Goluba Karina, Pleiko Karlis, Parfejevs Vadims, Miculis Karlis, Vjaters Egils, Riekstina Una, Kunrade Līga
Development and characterization of the calpainopathy patient-derived induced pluripotent stem cells	<b>Goluba Karīna</b> , Parfejevs Vadims, Lāce Baiba, Inashkina Inna, Una Riekstiņa
Search for disease-specific genetic markers originated from the vitamin D binding protein gene polymorphisms in the multiple sclerosis cohort in the Latvian population	Paramonova Natalia, Tapina Ilva, Kalnina Jolanta, <b>Plavina Samanta</b> , Leonova Elina, Paramonovs Jegors, Sjakste Nikolajs



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**Infectious Diseases & Pulmonology**

5 April 2024, 14:00-16:00

Room 204, 2<sup>nd</sup> floor

**Session moderators: Ieva Tolmane, Immanuels Taivans**

**14:00 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

Exploring the diversity of serotypes and sequence types in *Neisseria meningitidis*: therapeutic importance

Slavinska Anželika, **Misevič Adam**, Vizujė Greta, Kirkliauskienė Agnė

The dominance of multi-resistant *Acinetobacter baumannii* strains in Lithuanian hospitals and implications of last-resort antibiotic resistance

**Zaboras Edgaras**, Kirkliauskienė Agnė, Miciulevičienė Jolanta, Vizujė Greta

Long-term outcomes and health care utilisation in sepsis survivors in Latvia: a retrospective observational study using nationwide administrative data

**Pučeta Laura**, Luguzis Artis, Dumpis Uga, Bārzdiņš Juris

Evaluation of abdominal sepsis management and outcomes in a clinical university hospital in Latvia: a retrospective cohort study

**Naļivaiko Paula**, Meistere Elīza, Pučeta Laura

Are modern nicotine delivery devices less harmful than traditional cigarettes? The influence of smoking on the oral immune system

**Krokosz Stanisław**, Zalewska Anna, Zięba Sara, Porydzaj Aleksandra, Witkowski Bartosz, Obrycka Maria

Indoor air quality dependence on the number of patients per room in the lung disease and thoracic surgery wards

**Kricka Anna**, Hodaseviča Natālija, Aizpuriete Anna, Laicāns Ivars, Žanna Martinsone

Clinical and microbiological analysis of chronic obstructive pulmonary disease exacerbation in Riga East Clinical University Hospital "Gaiļezers"

**Brencsēns Edvards**, Tirzīte Madara

Vitamin D receptor polymorphisms and bronchial asthma susceptibility across Baltic and East Asian populations

**Paramonovs Jegors**, Trapina Ilva, Gradauskiene Brigita, Plavina Samanta, Tamsauskiene Laura, Bastyte Daina, Rumba-Rozenfelde Ingrīda, Tapiņa Sandra, Stakaitiene Ieva, Ugenskiene Rasa, Shih-Hsin Wu Lawrence, Wang Jiu-Yao, Sjakste Nikolajs, Paramonova Natalia



**82<sup>nd</sup> International Scientific  
Conference of the  
University of Latvia 2024**

**International Scientific  
Conference on Medicine**

**Gynaecology & Obstetrics**

5 April 2024, 16:15-18:15

Room 203, 2<sup>nd</sup> floor

**Session moderator: Elīna Gelderiņa**

**16:15 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

A comparative analysis of caesarean section rates:  
insights from Baltic states and European nations

**Berulē Danielē**, Kačerauskienē Justina

Comparison of childbirth outcomes for resolving  
pregnancy with and without the use of labour induction  
methods

**Antonika Jelizaveta**, Pukite Margarita, Vasecko  
Anastasija

Analysis of reasons for performing repeat Caesarean  
section in women with a history of uterine scar

**Antonika Jelizaveta**, Zamure Anda, Vasecko  
Anastasija, Pukite Margarita

Sexual health after oncogynaecological diseases in  
Latvia

**Puksta-Gulbe Līga**

Efficacy of laparoscopic mesh sacrocolpopexy compared  
with vaginal mesh for surgical correction of pelvic organ  
prolapse

**Suspanovs Kristians**, Ivanovs Igors, Lietuvietis  
Vilnis

The impact of antenatal care models on breastfeeding  
confidence

**Naginevičiūtē Milda**, Bartusevičienē Eglē,  
Blaževičienē Aurelija

Factors influencing childbirth satisfaction: insights from  
primiparous and multiparous women

**Mockienē Diana**, Kirkilytē Asta, Gulbinienē Jurgita,  
Bulikaitē Virginija, Naginevičiūtē Milda

Strengthening of pelvic floor muscles: knowledge and  
habits of pregnant women

Grigalevičiūtē Miglē, Naginevičiūtē Milda, **Kirkilytē  
Asta**

Hymen ruptures after sexual abuse

**Troice-Neilande Ilze**

The most common gynecological complaints and their  
impact on women's quality of life

**Meistere Elīza**, Rimkus Dora, Naļivaiko Paula, Puķīte  
Margarita



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**International Scientific  
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**Mental Health**

5 April 2024, 16:15-18:15

Room 105, 1<sup>st</sup> floor

**Session moderators: Inta Zīle, Andis Užāns**

**16:15 Midlevel visual perception and  
neurodegenerative impairments**

**Šķilters Jurģis**

Professor, Head of the Laboratory for Perceptual and Cognitive Systems at the Faculty of Computing, University of Latvia, Latvia

**16:35 Oral presentations**

(each presentation = 7 minutes + 3 minutes for discussion)

The impact of cognitive performance on the development of depression

**Reine Samanta**, Erts Renārs, Fokina Viktorija, Sandra Seimane

Psychotherapist's attitude to the diagnosis of borderline personality disorder in outpatient psychotherapy service

**Andis Užāns**, Zīle Inta

Latvian legislation needs to be amended to improve the protection of the rights of patients with reduced decision-making capacity

**Olsena Solvita**

Mental health in women using hormonal contraception

**Druta Jovita Patricija**, Bulotienė Giedrė

Depression risk assessment in diabetes: a comparative analysis of PHQ, HADS, and self-evaluation questionnaire results

**Trofimova Liāna**, Erts Renārs, Degtjarjovs Ilja

Comparative analysis of missing data imputation methods for patient self-report questionnaires

**Erts Renārs**, Seimane Sandra

Effects of nightshift work on psychological and social health and its impact on lifestyle choices

Vartic Adrian, **Ražuks Romualds**

A Latvian adaptation of Adjective Ratings Affective Neuroscience Personality Scales

**Loiko Sofija**, Zgirskā Anete, Bajeva Patricija-Simona, Zīle Inta

An analysis of the worst life events experienced by Ukrainian war refugees

**Urbanavičē Rita**, Istomina Natalja

Sleep paralysis in students of higher education in Latvia

**Jēgere Alise Mirdza**, Žuravļovs Mihails, Bajeva Patricija Simona, Kevere Laura





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**International Scientific  
Conference on Medicine**

**Oncology**

5 April 2024, 16:15-18:15

Room 106, 1<sup>st</sup> floor

**Session moderators: Elīna Sīviņa, Sergejs Isajevs**

Assessment of neoadjuvant therapy outcomes in breast cancer patients at the Oncology Centre of Latvia

**Meistere Elīza**, Garaščenko Valērija, Arcimoviča Krista

Incidence of transurethral bladder resection in patients with early bladder cancer at Pauls Stradiņš Clinical University Hospital from 2018 to 2020

**Toločkina Milana Marija**, Mutjanko Anna, Ozoliņš Kārlis, Zgirska Anete, Hasnere Sigita

Recurrence of tumours of the oral cavity at Riga East Clinical University Hospital, Oncology Centre of Latvia

**Krēsliņa Ieva**, Deksnis Renārs

Preoperative contralateral liver lobe augmentation after ipsilateral portal vein branch transhepatic endovascular embolization. Clinical and radiological results

**Nahimova Natalija**, Petrinina Anna, Kratovska Aina

Comparative pilot study of imaging and histopathological characteristics of triple-negative breast cancer

**Bajeva Patricija Simona**, Loiko Sofija, Engele Ilze, Zablocka Tatjana

The reliability of PET/CT in the staging of non-small cell lung cancer

**Gulbe Kristiāna Viktorija**, Kalniņa Marika, Mikilps – Mikgelbs Rihards, Siliņš Ints, Krams Alvis, Gaidukova Marina, Muzika Vitalija, Nusberga Evija Anna, Roznere Lilita, Pētersons Gustavs

Retrospective analysis of vulvar cancer treatment with subsequent plastic reconstructive surgery at the Latvian Oncology Center

**Puksta-Gulbe Līga**, Zariņš Jānis

Evaluation of complete pathological remission in patients with Human Epidermal Receptor2 positive breast cancer who received neoadjuvant chemotherapy in Stradiņš Clinical University Hospital 2018-2023

**Vītola Beāte**, Balabka Elisa, Hasnere Sigita

Sarcoma treatment results at the Hospital of Traumatology and Orthopaedics from 2012 to 2022

**Vītiņš Kārlis**, Repša Lauris

Utilizing PET/CT to study sarcomas in Latvia. Initial experience

Kalniņa Marika, Engele Ilze, **Gritāne Katrīna Daniela**





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**International Scientific  
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**Basic Medical Science & Pharmacy**

5 April 2024, 12:00-13:45

2<sup>nd</sup> floor atrium

**Session moderators: Agate Galuza, Vladimirs Piļipenko**

**12:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

1.	Development of in vitro assay for comparing wound dressings in their ability to limit bacterial growth and ensure sterility	Preem Liis, Lorenz Kairi, Randmäe Kelli, Põhako-Palu Kaisa, Laura Männaste, <b>Putriņš Marta</b> , Tenson Tanel, Kogermann Karin
2.	Effect of resveratrol on the function of rat heart mitochondria	<b>Kuršvietienė Lolita</b> , Venslovaitė Dominyka
3.	High endothelial venules in allergic and non-allergic inflammation	Markovs Jurijs, Jurševičs Eduards, <b>Galuzā Agate</b> , Lapsiņš Artis
4.	Does mutation in the signal transducer and activator of the transcription 4 gene affect LSCC tumour size?	<b>Pileckaite Erika</b> , Vilkeviciute Alvita, Liutkevicius Vykintas, Liutkeviciene Rasa
5.	Exploring the impact of tooth brushing frequency on saliva microbiota composition	<b>Gladkauskaitė Justė</b> , Stankevičienė Indrė, Pūrienė Alina, Lastauskienė Eglė
6.	Aβ-related hexapeptides can be used for aggregate dissolution therapy in Alzheimer's disease	<b>Upīte Jolanta</b> , Brüning Thomas, Jansone Baiba, Pahnke Jens
7.	Sensitization profiles to house dust mite and storage dust mite allergens in atopic airway diseases: a pilot study	<b>Sakalauskaite Sandra</b> , Gasiuniene Edita, Gradauskiene Brigita
8.	Genomic insights into pituitary adenomas: examining the Ki-67 labeling index and the role of SSTR2, SSTR5, AIP polymorphisms	<b>Gedvilaite Greta</b> , Kriauciuniene Loresa, Tamasauskas Arimantas, Rovite Vita, Mandrika Ilona, Sheng-Nan Wu, Chin-Wei Huang, Poskiene Lina, Makstiene Jurgita, Liutkeviciene Rasa
9.	IL-1β rs1143623 associations with multiple sclerosis occurrence in Lithuania	<b>Bruzaite Akvile</b> , Gedvilaite Greta, Renata Balnyte, Rasa Liutkeviciene
10.	The expression of Na <sup>+</sup> -dependent glucose co-transporters in the epithelial cells of duodenum and terminal ileum in ostriches' chicken	<b>Hussar Piret</b> , Ahlstedt Victoria Isabella, Allmang Cristin, Järveots Tõnu, Dūrītis Ilmārs
11.	Impaired neurological outcomes in mice at multiple timepoints following transient ischemia	<b>Revina Beatrise Luīze</b> , Piļipenko Vladimirs, Jolanta Upīte, Jansone Baiba
12.	Assortment of dietary supplement capsules containing liposomal iron in Lithuania: analysis of excipients and origin countries	<b>Petrauskaitė Eglė</b> , Pudžiuvelytė Lauryna

13.	The effects of commonly used non-opioid analgesics on the formation of advanced glycation end products	<b>Nevojska Anastasija</b> , Muceniece Ruta, Dzirkale Žane
14.	Analysis of antibiotic consumption at the paediatric tertiary-care hospital	<b>Sviestiņa Inese</b> , Urtāne Inga
15.	Evaluation of the efficacy of magnesium as a component of preservative fluid in preserving graft function in an isolated porcine kidney model	<b>Ostróżka-Cieślik Aneta</b> , Dolińska Barbara, Ryszka Florian
16.	Observational study of the prevalence of medication omissions at the time of hospital admission	<b>Venclovaitė Brigita</b> , Minkutė Rima, Briedis Vitalis
17.	Intranasal metformin promotes AMPK and Akt signalling in rats with sporadic Alzheimer's disease	<b>Al-Dawoudi Abdulrahman</b> , Piļipenko Vladimirs



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**International Scientific  
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**Cardiovascular Medicine**

5 April 2024, 14:00-14:30

2<sup>nd</sup> floor atrium

**Session moderators: Iveta Mintāle, Ainārs Rudzītis**

**14:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

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18.	Advanced feature set and classification model for heart sound signal analysis	<b>Petrolis Robertas</b> , Paukstaitiene Renata, Rudokaite Gabriele, Macas Andrius, Grigaliunas Arturas, Krisciukaitis Algimantas
19.	Increased risk of acute myocardial infarction after SARS-CoV-19 infection	Nurgaliyeva Bayan, <b>Marcel Yuriyev</b> , Agrawal Komal
20.	Factors influencing the health literacy of patients with arterial hypertension	<b>Mukane Renata</b> , Dzirkale Zane
21.	Changes of mitochondrial respiratory pathways in immature rat heart tissue using Custodiol HTK, St. Thomas and del Nido cardioplegic solutions	<b>Arslan Mamedov</b> , Eglė Rumbinaitė, Serik Aitaliyev, Sebastian Romann, Paulius Vaitekūnas, Werner Schneider, Povilas Jakuška, Rimantas Benetis, Edgaras Stankevičius
22.	Impact of oral whey protein nutritional supplement, rich in main minerals and vitamins, on nutritional status and physical performance of frail geriatric patients before elective cardiosurgery	<b>Drigotienė Ingrida</b> , <b>Damulevičienė Gytė</b> , Macijauskienė Jūratė, Švagždienė Milda, Benetis Rimantas

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**Paediatrics**

5 April 2024, 14:00-15:00  
2<sup>nd</sup> floor atrium

**Session moderator: Ilva Daugule**

**14:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

23.	Juvenile idiopathic arthritis disease activity documentation irregularities on routine outpatient appointments	Šlegerytė Andželika, <b>Bartkus Dovydas</b> , Šnipaitienė Aušra
24.	The dominating taxonomic composition of the human breast milk microbiota and its association with milk macronutrient content	<b>Lagzdiņa Laura</b> , Broka Līga, Frīdmanis Dāvids, Gudrā Dita, Rumba–Rozenfelde Ingrīda, Ciproviča Inga, Daugule Ilva
25.	The feeding characteristics of late preterm infants in the first year of life	<b>Žemaitienė Raminta</b> , Dijokienė Ieva, Bardzilauskienė Elvina, Kovalenka Ieva, Stonienė Dalia
26.	Changes in the composition of gut microbiota after the introduction of complementary feeding in infants	<b>Peterlevica Jana</b> , Zelča Egija, Gudrā Dita, Kārklīņa Daiga, Zaharova Margarita, Zaharova Larisa, Frīdmanis Dāvids, Rumba-Rozenfelde Ingrīda, Daugule Ilva
27.	Pain in adolescents: prevalence, association with age and gender	<b>Kucina Ilze</b>
28.	Importance of multisensory therapy for children with speech disorders	<b>Vasilonoks Aleksandrs</b> , Rumba-Rozenfelde Ingrīda, Folkmanis Valdis
29.	Comparative assessment of newborn condition via APGAR scores in relation to labour pain management: nitrous oxide vs. epidural anaesthesia	Stankutė Deimantė, <b>Masionytė Justina</b> , Savukynė Eglė
30.	P-selectin as a predictive biomarker in juvenile idiopathic arthritis differential	<b>Šnipaitienė Aušra</b> , Narauskaitė Deimantė, Barauskaitė Asta, Jankauskaitė Lina
31.	Paediatric chest computed tomography exposure: current performance of a single Lithuanian paediatric centre	<b>Dastikas Rokas</b> , Gricienė Birutė
32.	Prevalence of celiac disease histology in duodenal biopsies from children	<b>Lubgane-Griķīte Maija</b>
33.	Parents' knowledge about child constipation	<b>Beltiņa Monta</b> , Blumfelds Jānis
34.	Effect of mode of delivery on electrocortical activity of premature infants	<b>Štuikienė Kristina</b> , Vidmantė Regina, Aldauskiene Ilona, Šmigelskas Kastytis, Tamelienė Rasa



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**Neurology & Oncology**

5 April 2024, 14:00-15:15

2<sup>nd</sup> floor atrium

**Session moderators: Aija Geriņa-Bērziņa, Normunds Sūna**

**14:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

35.	Impact of gut microbiota and peristalsis on the levodopa treatment outcome of patients with Parkinson's disease	<b>Kalynovych Nazarii</b> , Tomas Kačergius, Kateryna Tarianyk
36.	Pentatricopeptide repeat domain-3 pathogenic variants in ataxia neuropathy spectrum patients: a new phenotype	<b>Lace Baiba</b> , Zita Krumina, Ieva Micule, Nathan Thompson Wright, Janis Stavusis, Pawel Zayakin, Inna Inashkina
37.	The etiologic spectrum of polyneuropathies and polyradiculoneuritis in the Riga East University Hospital "Gaīlezers" in 2022	<b>Andževa Elisa</b> , Sūna Inga
38.	Associations of catalase enzymatic activity and distribution of some trace elements in the blood of patients with glioblastoma	<b>Remeika Dominykas</b> , Sadauskiene Ilona, Liekis Arunas, Baranauskiene Dale, Naginiene Rima
39.	Insights into multiple sclerosis pathogenesis: focus on TRADD rs868213	<b>Kaikaryte Kriste</b> , Balnyte Renata, Liutkeviciene Rasa
40.	Genetic epilepsy landscape in paediatric patients in Latvia	<b>Mičule Ieva</b> , Mašinska Madara, Grīnfelde Ieva, Mūrmane Daiga, Tauriņa Gita, Ločmele Dzintra, Krūmiņa Zita, Korņejeva Liene, Apela Dana, Zabolonska Irina, Norīte-Lapsiņa Baiba, Čehoviča Marija, Dīriks Mikus, Rozentāls Guntis, Kazaine Inese, Zariņa Aiga, Budņika Lolita, Vidiņa Kristīna, Kovaldins Aleksandrs, Šetlere Signe, Kalniņa Elīna, Rots Dmitrijs, Zariņa Agnese, Voložonoka Ludmila, Žiravecka Irina, Šterna Olga, Dzalbs Aigars, Inashkina Inna, Strautmanis Jurgis, Lāce Baiba
41.	Immunochemical detection of BMP-2 and shh in the human embryo developing spinal cord	<b>Namm Aimar</b> , Arend Andres, Torga Taavi, Aunapuu Marina
42.	Oncomarker correlation with tumour grade	<b>Dragūne Rebeka</b> , Hasnere Sigita, Rimšāns Armands, Bajāre Laura Justīne
43.	Melanoma in young adults: evaluation of the characteristics, treatment strategies, and prognostic factors in a monocentric retrospective study (2019-2022)	<b>Ivanova Santa</b> , Vidmane- Ozola Ieva, Silva Senkāne

44.	The epidemiological, clinical and histopathological pilot study of soft tissue sarcoma in Latvia	<b>Srebnijs Pāvels</b> , Zariņš Jānis, Vidmane-Ozola Ieva, Zablocka Tatjana, Frolova Julija, Maksimova Santa, Repša Lauris, Enģele Ilze, Nulle Kitija, Geķis Jānis, Kašperova Svetlana, Vištards Kristians, Isajevs Sergejs
45.	Correlation of artificial intelligence percentage probability of malignancy and tumour size in mammography examination	<b>Mutjanko Anna</b> , Enģele Ilze
46.	Treatment outcomes with Durvalumab after chemoradiotherapy in stage III non-small cell lung cancer in Pauls Stradiņš Clinical University Hospital. PD-L1 receptor prevalence in tumour cells	<b>Mežulis Edvarts</b> , Blumberga Ļubova
47.	Lung adenocarcinoma and squamous cell carcinoma: epidemiological, morphological and immunohistochemical characteristics in 379 primary cases	<b>Mežals Agnis</b> , Nazarovs Jurijs



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**International Scientific  
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**Public Health & Nursing**

5 April 2024, 14:30-16:20  
2<sup>nd</sup> floor atrium

**Session moderators: Renārs Erts, Romualds Ražuks, Jurgita Gulbinie**

**14:30 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

48.	Awareness of uric acid significance in family medicine in Latvia	<b>Bobrovs Ilja</b> , Barisa Telma Amanda, Skuja Ilze
49.	Prescribing pre-exposure prophylaxis for HIV prevention: 2-year experience and follow-up results	<b>Ķiecis Edgars</b> , Vasiļjeva Jekaterina
50.	An analysis of the allergens prevalent in the population of Kosovo: characteristics and clinical presentations	<b>Miranda Selmonaj</b> , Bernard Tahirbegolli, Bajram Abdullahu, Mentor Sopjani
51.	IMMUNA project: from vaccination policy to the determinants of vaccination services in Lithuania	<b>Gradeckas Paulius</b> , Liseckienė Ida, Kontrimienė Aušrinė, Šileikienė Lolita, Kriaučionienė Vilma, Jaruševičienė Lina
52.	Development of palliative care in Latvia: Palliative Care Department at Pauls Stradiņš Clinical University Hospital (2019-2023)	<b>Jukone Unda</b> , Albina Ilga
53.	Evaluation of sexual health among patients with multimorbidity	<b>Godvaišaitė Glorija</b> , Vasiliauskienė Olga
54.	Rate of oncological diseases among the youth population	<b>Elisa Balabka</b> , Beate Vitola, Hasnere Sigita
55.	Enhancing prehospital emergency care standards in Lithuania: a randomized simulation-based study	<b>Paliokaite Ieva</b> , Dambrauskas Zilvinas, Dobožinskas Paulius, Pukenyte Evelina, Mankute-Use Aida, Vaitkaitis Dinas
56.	Migration of health workforce: results from Lithuanian survey of medicine students, residents and physicians	<b>Šablinskas Linas</b> , Stankūnas Mindaugas
57.	Alcohol intoxication in road traffic accident fatalities	<b>Paškauskienė Akvilė</b> , Kirstukaitė Beata, Chmieliauskas Sigitas
58.	Principle of publicity in civil procedure and cases regarding claims arising from personal injuries that have resulted in mutilation or other damage to health	<b>Osis Martins</b>
59.	Possible improvements of Article No. 4 of the Latvian Law on the Rights of Patients	<b>Osis Martins</b>

60.	Nursing students' challenges in clinical practice: a qualitative study	<b>Žilionytė Aušrinė</b> , Sabaliauskas Stanislav
61.	Palliative care in neonatal intensive care unit: nurses' attitudes	<b>Kapitanovienė Ina</b> , Sarpalė Augusta, Senavaitytė Asta, Gulbinienė Jurgita
62.	The relationship between nurses' emotional intelligence and professional stress experience at work	Kriščeliūnė Karolina, Bulikaitė Virginija, Naginevičiūtė Milda, <b>Gulbinienė Jurgita</b>
63.	Effects of music listening on anxiety, stress and physiological parameters after myocardial infarction	Garkevičiūtė Vilma, <b>Gulbinienė Jurgita</b>
64.	Evaluation of stress experienced by nursing students and its impact on sleep quality	<b>Sakalauskaitė Meda</b> , Mikaliūkštienė Aldona
65.	The care needs of people with dementia	<b>Adomavičiūtė Karolina</b> , Jakavonytė-Akstiniene Agnė
66.	Dietary habits and nutritional knowledge of people with type 2 diabetes	Brigita Volozniova, Naginevičiūtė Milda, Gulbinienė Jurgita, <b>Bulikaitė Virginija</b>
67.	Nurses' attitude on evidence-based nursing practice: evidence from Lithuania	<b>Kivilienė Justė</b> , Blaževičienė Aurelija





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**International Scientific  
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**Mental Health**

5 April 2024, 15:00-15:40  
2<sup>nd</sup> floor atrium

**Session moderator: Karīna Konstantinova**

**15:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

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68.	Frequency of depression among working medical students in Latvia	<b>Nusberga Evija Anna</b> , Ķevere Laura, Rimkus Dora, Gulbe Kristiāna Viktorija, Brice Lelde, Gerke Mārtiņš, <b>Pūce Ieva</b>
69.	Recovery and social inclusion of addicted persons	<b>Mieliauskaitė Juozapa Živilė</b> , Jolanta Kuznecovienė
70.	Analysis of insomnia symptoms – comparison of subjective sleep perception and objective parameters, its correlation with symptoms of anxiety and depression	<b>Česnokova Liene</b> , Bērziņa Natālija, Taube Māris
71.	Electroconvulsive therapy in patients with questioned decision-making capacity – clinical and ethical challenges	Losevich Marina, Olsena Solvita, <b>Konstantinova Karina</b>
72.	Involuntary admissions due to inability to care of oneself – the case law of Latvia, conclusions de lege lata and postulates de lege ferenda	<b>Karina Konstantinova</b> , Marina Losevich, Solvita Olsena
73.	Depression and anxiety association with other risk factors in Lithuanian patients after myocardial infarction	<b>Linkevičiūtė Gabrielė</b> , Rinkūnienė Egidija, Dženkevičiūtė Vilma, Badarienė Jolita

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**Ophthalmology**

5 April 2024, 16:00-16:15

2<sup>nd</sup> floor atrium

**Session moderators: Kristīne Baumane, Gunta Blezūra-Ūdre**

**16:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

74. Assessing computerized vision screening tests effectiveness for primary school-aged children's eye vergence

**Slabcova Jeļena, Krūmiņa Gunta**

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**Anaesthesiology & Reanimatology** 5 April  
2024, 16:00-17:00  
2<sup>nd</sup> floor atrium

**Session moderators: Iveta Golubovska, Sigita Kazūne, Aleksejs Miščuks**

**16:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

75.	Comparing Remimazolam-Propofol combination and Propofol alone in upper endoscopy sedation	<b>Jeņina Silvija</b> , Ozoliņa Agnese
76.	Benefits of the ERAS program in terms of patients' quality of life due to elective total hip arthroplasty	<b>Jankovska Afrodīte</b> , Golubovska Iveta, Zolmanis Matīss, Rozenbergs Krišs, Zadorožņijs Sergejs
77	Self-administered pre-anesthetic questionnaire versus personal interview. Do patient responses to preoperative health questions differ?	<b>Lazdāne Anastasija</b> , Vaitkuse Kellija Elizabete, Kazūne Sigita
78.	Diagnostic accuracy in acute abdominal pain: an analysis of emergency medical services and emergency room evaluation disparities	<b>Homenko Artjoms</b> , Lazdāne Anastasija, Šetlers Kaspars
79.	Symptom checkers, artificial intelligence, and clinicians in emergency medical diagnosis: a prospective comparative study	<b>Homenko Artjoms</b> , Lazdāne Anastasija, Šetlers Kaspars
80.	Knowledge and perception of medical students about the speciality of anaesthesiology in Latvia	<b>Justīns Stivriņš</b> , Sigita Kazūne
81.	Influence of blood pressure, localization, and volume on outcomes in spontaneous intracerebral haemorrhage	<b>Gulbinaitē Eglē</b> , Užuotaitē Rusnē, Balčiūnienē Neringa
82.	Functional parameters change among pneumonia patients treated with breathing exercises and vibration therapy in the Intensive Care Unit	<b>Rutkauskienē Laura</b> , Kubilius Raimondas, Tamošuitis Tomas
83.	Effect of prone positioning's characteristics on oxygenation in mechanically ventilated COVID-19 patients with moderate and severe ARDS	<b>Baltmane-Veckalne Veronika</b> , Elizabete Stašāne, Sabeļņikovs Oļegs
84.	Assessment of PEEP values by electrical impedance tomography and its effect on oxygenation in mechanically ventilated ARDS patients: a pilot study	<b>Minova Ļubova</b> , Baltmane-Veckalne Veronika, Sabeļņikovs Oļegs



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**International Scientific  
Conference on Medicine**

**Internal Medicine** 5 April 2024, 16:00-17:15

2<sup>nd</sup> floor atrium

**Session moderators: Poļina Zaļizko, Aiga Vasiļvolfa**

**16:00 Poster presentations**

(each presentation = 4 minutes + 2 minutes for discussion)

85.	Association of diet with faecal and serum inflammatory markers in patients with type 1 diabetes in Latvia	<b>Ivanova Sofija</b> , Fedulovs Aleksejs, Puzirevska Irēna, Siksna Inese, Jeļizaveta Sokolovska
86.	Predictive factors for the recurrence of Clostridium difficile infection	<b>Kriukas Mantas</b> , Karpavičiūtē Vīta, Jankevičiūtē Adelē, Urbonas Tadas, Kiudelis Gediminas, Kupčinskis Juozas, Kupčinskis Limas
87.	Laboratory findings and treatment outcomes in patients with Clostridium difficile infection: a single-centre retrospective study	<b>Kriukas Mantas</b> , Karpavičiūtē Vīta, Urbonas Tadas, Jankevičiūtē Adelē, Kiudelis Gediminas, Kupčinskis Juozas, Kupčinskis Limas
88.	Gender-specific aspects of gastroesophageal reflux disease	Nurgaliyeva Bayan, <b>Tuganbayeva Yenlik</b> , Mohamed Manan Zahoor
89.	Skin allergic reactions to iodinated contrast media in individuals with and without allergies	<b>Gatelytė Lina</b> , Usytė Julija, Gasiūnienė Edita
90.	Diagnostic imaging approach to steatotic liver disease – the new MASLD	<b>Birzniece Krista</b> , Ēvele Anda, Šmidberga Beatrise, Erts Renārs, Radziņa Maija
91.	Sambucus nigra L. extracts inhibit SARS-CoV-2 induced cytopathic effect in Calu3 cells	<b>Pjanova Dace</b> , Petrovska Ramona, Verhovcova Irina, Boroduske Anete
92.	Temporal trends in sepsis incidence and outcomes in Latvia (2015-2019): a retrospective administrative data study	<b>Pučeta Laura</b> , Luguzis Artis, Dumpis Uga, Bārzdiņš Juris
93.	Clinical symptoms of tonsillopharyngitis caused by group A β-streptococcus infection and the use of Centor scale on a paediatric population for general practitioners	<b>Bērziņa-Buša Anete</b> , Petkus Tatjana
94.	Predictive model evaluation for glucose prognosis in type 1 diabetes: exploring logistic regression model performance stability	Baranova Jana, Lobanovs Sergejs, <b>Patrijuks Kristians</b> , Preobraženska Viktorija, Timurs Mihailovs Viktorija, Syundyukov Emil, Sourij Harald, Moser Othmar, Pīrāgs Valdis, Stambler Ilia, Kistkins Svjatoslavs, Bliznuks Dmitrijs
95.	Is it time to alter the recommendations? Radioiodine therapy of patients with subclinical hyperthyroidism after five years	<b>Obrycka Maria</b> , Piszcz Weronika, Zawadzka Aleksandra, Abdelrazek Seaid