

26 March 2026

# The International Scientific Conference on Medicine and Health Sciences of the University of Latvia

House of Science, Jelgavas street 3, Riga

## PROGRAMME OVERVIEW

8.00-9.00	Registration	Entrance Hall
9.00-10.30	Plenary session <i>Opening speeches - University of Latvia</i> <b>Prof. Mārcis Leja</b> - Chair of the organising committee <b>Enno Ence</b> - Vice-Rector for Development <b>Prof. Kristaps Jaudzems</b> - Dean of Faculty of Medicine and Life Sciences  <i>Plenary lectures</i> <b>Charité Clinic, Berlin Prof. Dr. Igor Sauer</b> - Extended Reality (XR) in Focus <b>Head of AI Business of LMT Mārtiņš Zeps</b> - LMT AI: From Connectivity to Intelligence	Alfa

### Conference morning sessions

#### ORAL PRESENTATIONS

11.00-13.00	Public Health and Epidemiology	105
	Pharmaceutical Sciences	401
	Basic Medical Sciences	725
	Mental Health, Neurology and Neuropharmacology	301
	Paediatric Cardiology and Cardiac Surgery	207
	Internal Medicine - Cardiology, Endocrinology	106
	Oncology	Alfa

#### POSTER PRESENTATIONS

13.00-15.00	Public Health and Epidemiology	Atrium 2 <sup>nd</sup> floor
	Pharmaceutical Sciences	
	Basic Medical Sciences	
	Mental Health, Neurology and Neuropharmacology	
	Internal Medicine - Cardiology, Endocrinology	
	Oncology	
	Internal Medicine - Gastroenterology	
	Internal Medicine - Different disciplines	
	Paediatrics, Gynaecology and Obstetrics	

Surgery, Traumatology and Orthopaedics  
Anaesthesiology and Intensive care  
Dentistry

13.00-15.00	Coffee break	103/104
14.00-16.00	<b>Interactive Technology Workshop</b> (invitations only) <i>"Take Nova Heart to Your Heart: Precision, Automation, Standardisation"</i> Hands-on workshop featuring practical demonstrations of echocardiography technologies and automated analysis tools.	317

### Conference afternoon sessions

#### ORAL PRESENTATIONS

15.00-17.00	Internal Medicine - Gastroenterology	106
	Internal Medicine - Different disciplines	401
	Paediatrics, Gynaecology and Obstetrics	301
	Surgery, Traumatology and Orthopaedics	Alfa
	Anaesthesiology and Intensive care	105
	Ophthalmology	725
	Pathology	207
16.00-18.00	Nursing	501

**Programme online -** <https://www.mdzf.lu.lv/petnieciba/zinatniskas-konferences/the-international-scientific-conference-on-medicine-and-health-sciences-of-the-university-of-latvia-2026/>



# Public Health and Epidemiology

## Room 105

**Session moderators: Liliāna Civjāne, Renārs Erts**

### **11:00 Oral presentations**

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

1. AWARENESS AND ATTITUDES OF THE LATVIAN POPULATION TOWARDS INFLUENZA VACCINATION  
**Anete Stalmeistere**, Gunta Ticmane
2. PARENTAL KNOWLEDGE AND SLEEP HYGIENE PRACTICES AMONG PARENTS OF CHILDREN AGED 6–12 YEARS  
**Ilze Kucina**, Viktorija Kirina
3. FORECASTING INFLUENZA AND ACUTE UPPER RESPIRATORY INFECTIONS BASED ON METEOROLOGICAL FACTORS USING A NEGATIVE BINOMIAL REGRESSION MODEL IN VILNIUS AND RIGA  
Robertas Petrolis, **Renata Paukstaitiene**, Ingrida Grabauskyte, Gintare Kaliniene, Ricardas Radisauskas, Liene Grike, Emils Zinkevics, Algimantas Krisciukaitis, Vidmantas Vaiciulis
4. PREVALENCE OF OVERWEIGHT AND OBESITY AMONG LITHUANIAN FIRST-GRADERS OVER A 15-YEAR PERIOD  
**Justina Vaitiekūnaitė**
5. AGE-RELATED DIFFERENCES IN EATING HABITS OF LATVIAN ADULTS  
**Vladimirs Grigorjevs**, Sofija Ivanova, Margarita Jahimovica, Svjatoslavs Kistkins, Jelizaveta Sokolovska, Emil Syundyukov, Lilian Tzivian
6. SELF-ASSESSMENT OF CPR KNOWLEDGE AND READINESS OF UNIVERSITY STUDENTS WITHOUT MEDICAL EDUCATION: ACROSS-SECTIONAL STUDY  
**Anna Babete Nordena**, Ance Dudarenoka, Inguna Ebela, Ina Mežiņa-Mamajeva, Danute Ražuka-Ebela, Romualds Ražuks, Emīls Georgs Siders
7. BODY MASS INDEX–RELATED DIFFERENCES IN DIETARY HABITS AMONG LATVIAN ADULTS  
**Paula Balode**, Sofija Ivanova, Margarita Jahimovica, Svjatoslavs Kistkins, Jelizaveta Sokolovska, Lilian Tzivian
8. COMPARATIVE ANALYSIS OF DIETARY FACTORS AMONG ADULTS WITH AND WITHOUT CARDIOVASCULAR DISEASE IN LATVIA  
**Paula Balode**, Sofija Ivanova, Margarita Jahimovica, Svjatoslavs Kistkins, Jelizaveta Sokolovska, Lilian Tzivian

9. AN EXPLORATORY ANALYSIS OF THE DISTRIBUTION AND FUNCTIONAL IMPACT OF SELF-REPORTED MUSCULOSKELETAL SYMPTOMS IN LATVIAN WORKERS  
**Ērika Bļinkova**, Kristīne Piekuse, Larisa Zaharova, Margarita Zaharova, Elīna Bērziņa, Dita Gudrā, Dāvids Fridmanis, Ilva Daugule

## Pharmaceutical Sciences

### Room 401

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

#### 11:00 Oral presentations

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

1. ADVERSE EFFECTS OF BIOLOGICAL THERAPIES WITH ADALIMUMAB, USTEKINUMAB, SECUKINUMAB AND RISANKIZUMAB IN MODERATE-TO-SEVERE PSORIASIS VULGARIS  
**Luize Septe**, Silvestrs Rubins, Andris Rubins, Marcis Septe, Kristofers Septe
2. EFFECTS OF SILYMARIN, METFORMIN, AND PIOGLITAZONE ON LIPID ACCUMULATION AND OXIDATIVE STRESS IN A HEPG2 IN VITRO MODEL OF NON-ALCOHOLIC FATTY LIVER DISEASE  
Kaspars Jēkabsons, **Ruta Muceniece**, Maria Petrova, Kristīne Vavutkina, **Līga Ģipsle**
3. NEUROPROTECTIVE POTENTIAL OF NATURAL COMPOUNDS IN IN VITRO MODELS OF PARKINSON'S DISEASE  
Ruta Muceniece, **Tatjana Tihomorska**
4. SEMI-SOLID EXTRUSION 3D PRINTING ENHANCES TRANSDERMAL MENTHOL DELIVERY: A COMPARATIVE MANUFACTURING STUDY  
**Gintaras Matulis**, Jurga Bernatoniene, Nataliia Herbina, Yuliia Maslii, Lauryna Pudžiuvelytė
5. HEMOSTATIC EFFECTS OF PRUSSIAN BLUE – CLAY COMPOSITES ON THE INTRINSIC PATHWAY: A ROTEM INTEM EVALUATION  
**Ugis Eismonts**, Ingars Reinholds, Indriķis Muižnieks
6. EXPLORATION OF COCRYSTAL FORMATION BETWEEN NITROFURAN ANTIBIOTICS AND UREA DERIVATIVES  
**Aina Semjonova**, Liāna Orola, Inese Sarceviča, Kristīne Krūkle-Bērziņa, Dejan-Krešimir Bučar, Agris Berzins

# Basic Medical Sciences

## Room 725

**Session moderators: Nikoljas Sjakste, Elīna Ļeonova**

### 11:00 Oral presentations

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

1. DEVELOPMENT OF A CALPAINOPATHY IN VITRO MODEL, USING PATIENT-DERIVED INDUCED PLURIPOTENT STEM CELL LINES  
**Janis Stavusis**, Alisa Kurtukova, Karina Goluba, Inna Inashkina, Pawel Zayakin, Baiba Lace, Una Riekstina
2. A ZEBRAFISH LARVAL XENOGRAFT MODEL FOR PANCREATIC DUCTAL ADENOCARCINOMA  
**Keitija Kindzule**, Kristaps Sunteiks, Anastasija Zarkiha, Samanta Pļaviņa, Karīna Goluba, Una Riekstina, Vadims Parfejevs
3. DEVELOPMENT AND VALIDATION OF APTAMER-BASED DIAGNOSTIC TOOLS FOR MALARIA DETECTION  
**Laura Sproge**, Evelina Medina-Ziedone, Kaspars Tars, Una Riekstina, Līga Kunrade
4. AFFINITY CHARACTERISATION OF THE GREENB1 APTAMER IN 2D AND ORGANOID MODELS OF PANCREATIC DUCTAL ADENOCARCINOMA UNDER STATIC AND MICROFLUIDIC CONDITIONS  
**Kristaps Sunteiks**, Karīna Goluba, Vadims Parfejevs, Una Riekstina, Līga Kunrade
5. EXPLORING GENDER EFFECTS ON MITOCHONDRIAL RESPIRATION OF PBMCs IN HEALTHY YOUNG ADULTS  
**Beatrise Luīze Revina**, Darja Grigorjeva, Baiba Jansone, Ramona Valante
6. MITOCHONDRIAL ROS PRODUCTION IN PBMCs OF HEALTHY YOUNG ADULTS  
**Beatrise Luīze Revina**, Darja Grigorjeva, Baiba Jansone, Ramona Valante
7. FTO GENE RS9939609 POLYMORPHISM AND TCF7L2 GENE RS7903146 POLYMORPHISM EFFECT ON BODY COMPOSITION AND GLUCOSE LEVELS IN YOUNG WOMEN  
**Agate Seržante**, Erīna Akmene, Dace Grauda, Līga Ozoliņa-Molla
8. PROTEASOME GENE EXPRESSION LINKS TO DISABILITY AND TREATMENT CONTEXT IN A LATVIAN MULTIPLE SCLEROSIS COHORT  
**Samanta Pļaviņa**, Jolanta Kalnina, Daniela Malakovska, Natalia Paramonova, Jegors Paramonovs, Ilva Trapiņa

9. SIZE- AND DOSE-DEPENDENT IMMUNOMODULATORY EFFECTS OF  $Tl_3C_2$  MXENES  
**Marks Truhins**, Volodymyr Deineka, Anastasiia Konieva, Mykola Lyndin
10. INVOLVEMENT OF H<sub>2</sub>S IN NITRIC OXIDE RELAXATIONS OF RAT PULMONARY ARTERIES  
**Agilē Tunaitytė**, Arnas Aleknavičius, Edgaras Stankevičius

## **Mental Health, Neurology and Neuropharmacology**

### **Room 301**

**Session moderators: Baiba Jansone, Jens Pahnke, Jeļena Vrubļevska, Normunds Sūna**

#### **11:00 Oral presentations**

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

1. LONGEVITY AND DEMENTIA - TWO SIDES OF THE SAME COIN. HOW TO LIVE 120 YEARS  
**Jens Pahnke**, MD, PhD, EFN  
Professor and Researcher at the Universities of Oslo, Lübeck, Latvia, and Tel Aviv [www.pahnkelab.eu](http://www.pahnkelab.eu)
2. SUICIDAL BEHAVIOR AND ITS RISK FACTORS: THE IMPACT OF DEPRESSION AND WORKPLACE MOBBING IN A LATVIAN POPULATION  
**Marta Gebele**, Liene Helena Konosonoka, Sibilla Laura Neimane, Liene Sile, Artjoms Sobolevs, Edmunds Vanags
3. CLINICAL DECISION-MAKING IN COMPULSORY MEASURES OF A MEDICAL NATURE IN PSYCHIATRY  
**Deniss Ovcarenko**, Arturs Blekte, Janis Buss, Zane Egle, Raitis Eglitis, Aleksandra Konevnina, Linda Seldere, Beate Sternberga, Jelena Vrublevska
4. ASSESSMENT OF SUICIDE RISK FACTORS IN PATIENTS HOSPITALIZED AFTER INTENTIONAL SELF-HARM  
**Jekaterina Manuhina**, Marija Fjodorova, Marta Gebele, Jelena Vrublevska
5. THE ASSOCIATION BETWEEN SMART DEVICE USE AND SYMPTOMS OF ANXIETY AND DEPRESSION AMONG HIGH SCHOOL STUDENTS IN RIGA  
**Elza Svilāne**, Inta Zīle
6. THE EFFECT OF BLOOD TOXICOLOGICAL ANALYSIS ON DIAGNOSTIC APPROACH AND TREATMENT OF ACUTE PSYCHIATRIC PATIENTS  
**Daniels Makoveckis**, Marija Semjonova, Vaira Vectirāne, Jelena Vrublevska
7. ALCOHOL CONSUMPTION SCREENING IN PRIMARY HEALTH CARE  
**Jelena Vavilova**, Dins Mironovs, Jelena Vrublevska

8. ALCOHOL USE AND DEPRESSION IN LATVIAN PRIMARY CARE PATIENTS: CROSS-SECTIONAL STUDY OF AUDIT-PHQ9 CORRELATION AND SOCIODEMOGRAPHIC CHARACTERISTICS  
**Dins Mironovs**, Jelena Vavilova, Jelena Vrublevska
9. FREQUENCY OF SOMATIC SYMPTOMS IN EPILEPSY PATIENTS DURING THE INTERICTAL AND POSTICTAL PERIOD AND THEIR RELATIONSHIP WITH SEIZURE CONTROL –PRELIMINARY DATA  
**Juliano Sadu**, Normunds Sūna
10. BRAIN REGION- AND SEX-SPECIFIC TRANSCRIPTOME OF SIGMA-1 RECEPTOR KNOCK-OUT MICE  
**Anna Miteniece**, Diana Skorinkina, Baiba Svalbe, Pawel Zayakin, Liga Zvejniece

## **Paediatric Cardiology and Cardiac Surgery**

### **Room 207**

**Session moderators: Stanislavs Ovrutskis, Valts Ozoliņš**

#### **Opening Lecture**

Hybrid approach to Congenital Heart Disease at University Children's Hospital in Latvia. **Valts Ozolins**

#### **Invited Lectures**

Registries and Big Data in Pediatric Cardiology and CHD.

**Katharina Schmitt**, Berlin

Innovation in Echocardiography for CHD.

**Florian Groß**, Berlin

Right Ventricular Volumetry in Echocardiography.

**Raphael Seiler**, Berlin

#### **Abstract presentations**

1. STANDARDIZATION OF FOLLOW-UP OF PATIENTS WITH TETRALOGY OF FALLOT IN LATVIA OVER THE LAST 20 YEARS  
**Julija Zmarjova**, Zanda Grīnberga, Elīna Ligere, Valts Ozoliņš, Ingrīda Rumba-Rozenfelde, Stanislav Ovrutskiy
2. PERCUTANEOUS PULMONARY VALVE IMPLANTATION. INITIAL EXPERIENCE IN LATVIA  
**Emils Smitins**
3. CONTEGRA CONDUIT ENDOCARDITIS SECONDARY TO DENTAL SEPSIS  
**Krista Bergmane**, Inta Bergmane, Ieva Goberga, Zanda Grīnberga, Elīna

Ligere, Ingūna Lubaua, Elza Lāce, Inga Lāce, Valts Ozoliņš, Emīls Šmitiņš,  
Lauris Šmits

4. SILENT SIGNS IN THE FETAL HEART  
**Zanda Grīnberga**, Ingūna Lubaua
5. POCUS IN NEONATAL CARE: BRIDGING PROTOCOLS AND PHYSIOLOGY WITH CARDIOLOGISTS  
**Svetlana Dauengauer Kirliene**, Skaiste Sendzikaite
6. FIRST EXPERIENCE IN LATVIA WITH THE MEK INHIBITOR TRAMETINIB FOR HYPERTROPHIC CARDIOMYOPATHY IN A PEDIATRIC PATIENT WITH NOONAN SYNDROME  
**Ieva Goberga**, Zanda Grīnberga, Luīze Auziņa

### **Closing remark**

Stanislav Ovrutskiy, Berlin

## **Internal Medicine - Cardiology, Endocrinology**

### **Room 106**

**Session moderators: Gustavs Latkovskis, Kristīne Geldnere**

### **11:00 Oral presentations**

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

1. REAL- ANTICOAGULANTS AMONG ATRIAL FIBRILLATION PATIENTSWORLD USE AND IMPACT OF DIRECT ORAL WITH CARDIOEMBOLIC STROKE  
**Vladislavs Sokaļskis**, Kaspars Kupics, Kristaps Jurjāns, Ieva Ozoliņa, Guntis Karelis, Evija Miglāne, Andrejs Ērglis
2. ENDOTHELIAL DAMAGE MARKERS AND ATHEROGENIC LIPOPROTEINS ACROSS CORONARY ATHEROSCLEROSIS SEVERITY  
Mongirdienē Aušra, Viltē Marija Gintauskienē, Jolanta Laukaitienē, **Agnē Liuzē**, Renata Paukštaitienē
3. ASSOCIATION OF FAMILIAL HYPERCHOLESTEROLEMIA–RELATED GENETIC VARIANTS WITH CORONARY ARTERY DISEASE IN THE LATVIAN FH REGISTRY  
**Nikita Kuzmins**, Ivanna Atava, Marta Anna Ozolina, Monta Briviba, Rihards Jankovskis, Georgijs Nesterovics, Vita Saripo, Dainus Gillis, Ruta Meiere, Elizabete Terauda, Gunda Skudrina, Eva Bolsteina, Janis Klovinis, Gustavs Latkovskis
4. LEFT VENTRICULAR EJECTION FRACTION RECOVERY AFTER TAKOTSUBO SYNDROME: FIRST DATA FROM A LATVIAN TTS REGISTRY

## WITH 3–6-MONTH ECHOCARDIOGRAPHIC FOLLOW-UP

**Ivans Mirzojans**, Alberts Bērziņš

5. IMPACT OF BREAKFAST HABITS ON 24-HOUR GLUCOSE LEVELS AND GLYCEMIC VARIABILITY IN INDIVIDUALS WITH OVERWEIGHT AND CLASS I OBESITY  
**Baiba Svjatska**, Marina Arisova, Guna Bilande, Aleksejs Fedulovs, Sofija Ivanova, Zane Smite, Jelizaveta Sokolovska
6. POSTPRANDIAL BLOOD GLUCOSE CHANGES FOLLOWING FIXED-TIME EATING EVENTS IN ADULTS WITH OVERWEIGHT OR GRADE 1 OBESITY IN REAL-LIFE DATA  
**Sofija Ivanova**, Aleksejs Fedulovs, Guna Bilande, Marina Arisova, Zane Smite, Enrica Troiano, Cesare Furlanello, Eriks Vilunas, Jelizaveta Sokolovska
7. SHIFTING THE GUT MICROBIOTA LANDSCAPE: IMPACT OF POLYHERBAL ADJUNCT THERAPY IN TYPE 2 DIABETES  
Sintija Sausa, Valdis Pīrāgs, Monta Brīvība, Jana Baranova, Janis Klovinš, Svjatoslavs Kistkins, **Anna Knipše**, Sails Kīrķe, Annija Zodāne, Somit Kumar, Jānis Plūme, Tatjana Kozlova, Uģis Klētnieks, Kakarla Sai Mitravinda
8. PHARMACOLOGICAL MODULATION OF THE GUT MICROBIOME VIA A STANDARDIZED POLYHERBAL FORMULATION TO ENHANCE METFORMIN TOLERANCE  
Jana Baranova, Monta Brīvība, Svjatoslavs Kistkins, Jānis Kloviņš, Uģis Klētnieks, Anna Knipše, Tatjana Kozlova, Jānis Plūme, Valdis Pīrāgs, Mitravinda Kakarla Sai, Sintija Sauša, Kumar Somit, Annija Zodāne, **Sails Kīrķe**
9. IMPACT OF EDUCATION ABOUT THE GESTATIONAL DIABETES MELLITUS ON NEONATAL BIRTH WEIGHT AND PATIENT ADHERENCE AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL  
**Renāte Kārkle**, Kristīne Geldnere
10. SHORT-TERM CHANGES IN DES-ACYL GHRELIN FOLLOWING BARIATRIC SURGERY  
**Guna Bīlande**, Oļegs Kozlovskis, Egons Liepiņš, Maksims Mukāns, Valdis Pīrāgs, Igors Troickis, Juris Žarinovs

## Oncology

### Room Alfa

**Session moderators: Mārcis Leja, Aigars Dzalbs**

#### 11.00 Oral presentations

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

1. RATIO AND PATHOLOGICAL STAGE AS PROGNOSTIC FACTORS FOR OVERALL SURVIVAL IN NODE-POSITIVE GASTRIC CANCER  
**Robins Ušackis**, Viktorija Fokina, Elīna Sīviņa, Armands Sīviņš
2. CLINICOPATHOLOGICAL DETERMINANTS OF MICROSATELLITE INSTABILITY IN COLORECTAL CANCER: A REGISTRY-BASED ANALYSIS OF 732 PATIENTS  
Arzu Algulieva, Aija Balode, Ņina Beknazarova, Inga Bogdanova, Aigars Dzalbs, Inna Inaškina, Una Krūmiņa, Roberts Lozins, Baiba Lāce, **Māra Melnalksne**, Daiga Mūrmane, Andrejs Pčolkins, Dārta Pūpola, Miķelis Pūķis, Jeļena Ristolainena, Agnese Rozenvalde, Arta Spridzāne, Linda Tukmane, Elīna Vaidere, Reinis Vangravs, Laura Veite, Reinis Zeltmatis, Jānis Ziemelis
3. ASSOCIATION BETWEEN RADIOLOGICAL RESPONSE TO INDUCTION CHEMOTHERAPY AND LONG-TERM OUTCOMES IN LOCALLY ADVANCED ORAL CAVITY SQUAMOUS CELL CARCINOMA  
**Linda Kalnīte**, Sigita Hasnere, Anna Ivanova, Jānis Zariņš
4. PATTERNS OF LOCAL BREAST CANCER RECURRENCE: A RETROSPECTIVE STUDY AT THE LATVIAN ONCOLOGY CENTRE, RIGA EAST CLINICAL UNIVERSITY HOSPITAL (2020-2025)  
**Arta Paula Linberga**, Valērija Garaščenko, Jānis Eglītis, Kristaps Eglītis, Andrejs Srebnijs, Krista Arcimoviča
5. FEASIBILITY OF IMPLEMENTING PATIENT-REPORTED OUTCOME MEASURES (PROM) IN BREAST CANCER CARE: A QUALITATIVE STUDY  
Elīta Poplavska, Lauma Sprinģe, Inese Stars, **Ļubova Tihomirova**
6. PHENOTYPE OVER GENOTYPE: INDEPENDENT PROGNOSTIC VALUE OF MITOTIC INDEX IN MELANOMA  
**Valters Vēgelis**, Dace Pjanova
7. HISTOPATHOLOGICAL CHARACTERISTICS AND BRAF MUTATION STATUS IN CUTANEOUS MELANOMA: A RETROSPECTIVE STUDY  
**Kristofers Šepte**, Tatjana Zablocka, Luize Šepte, Madara Gobiņa
8. IMMUNOREGULATORY SUBPOPULATIONS OF INKT CELLS AND MYELOID-DERIVED SUPPRESSOR CELLS IN CHRONIC LYMPHOCYTIC LEUKEMIA: IMPLICATIONS FOR DISEASE PROGRESSION AND IMMUNE EVASION  
Agnieszka Bojarska-Junak, Sylwia Chocholska, **Przemysław Piwowarczyk**, Jacek Roliński, Agata Szymańska, Waldemar Tomczak, Justyna Woś
9. RADIOBIOLOGICAL AND VOLUMETRIC RESPONSE OF VESTIBULAR SCHWANNOMA AFTER CYBERKNIFE RADIOSURGERY: KOOS STAGE AND CLINICAL OUTCOMES

Elizabete Stankeviča, **Karīna Anete Mazjāne**, Māris Mežeckis, Vladyslav Buryk, Sandra Lediņa

10. RADIOLOGICAL AND PATHOLOGICAL CORRELATION OF XTRANODAL EXTENSION (ENE) IN HEAD AND NECK TUMORS FROM 2021 TO 2024  
**Darja Šatibelko**, Renārs Deksnis, Miķelis Pūķis, Atis Svare, Jānis Zariņš

## **Internal Medicine - Gastroenterology**

### **Room 106**

**Session moderators: Poina Zaļizko, Aiga Stāka**

#### **15.00 Oral presentations**

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

1. TREATMENT OF BARRETT ESOPHAGUS WITH THE NOVEL HYBRID APC TECHNIQUE, FIRST LATVIA EXPERIENCE  
**Alla Sklevska**, Sabri Abdelmasi
2. ASSESMENMT OF MALNUTRITION IN PATIENTS WITH LIVER CIRRHOSIS USING MUST, RFN-NPT RISK ASSESMENT TOOLS AND GLIM CRITERIA  
**Katrīna Terehova**, Klīnta Luīze Sprūdža, Poļina Zaļizko
3. IMPACT OF TOXOPLASMA GONDII IGG SEROPOSITIVITY ON ACUTE REJECTION AFTER LIVER TRANSPLANTATION: SINGLE CENTRE RETROSPECTIVE COHORT STUDY  
**Anastasija Traceviča**, Aiga Stāka, Renārs Erts, Andris Romasovs
4. ASSOCIATION OF GUT MICROBIOTA ALPHA DIVERSITY AND AKKERMANSIA MUCINOPHILA WITH ANTHROPOMETRIC INDICES OF VISCERAL OBESITY IN THE GISTAR STUDY  
**Laura Balode**, Ilze Birka, Ilona Kojalo, Marcis Leja, Sergejs Parsutins, Inese Polaka, Danute Razuka, Daiga Santare
5. ASSOCIATION BETWEEN KRAS CODON-SPECIFIC MUTATIONS AND ANATOMICAL TUMOR LOCALIZATION IN COLORECTAL DENOCARCINOMA  
**Elza Rozenberga**, Līga Šulca
6. MALNUTRITION AND SARCOPENIA IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE: ASSESMNT BASED ON NUTRITIONAL CRITERIA AND HANDGRIP DINAMOMETRY  
**Natālija Murāne**, Klīnta Luīze Sprūdža, Poļina Zaļizko
7. TRANSCRIPTOMIC ALTERATIONS IN PATIENTS WITH AUTOIMMUNE ATROPHIC GASTRITIS AND GASTRIC NEUROENDOCRINE TUMORS  
Marta Liva Springe, Rihards Saksis, Helvijs Niedra, **Ilona Kostadinova**, Ilze

Konrade, Justīne Kaupe, Linda Kundziņa, Justīne Kupča, Violeta Lisovska, Vita Rovite

8. EVALUATION OF SUCCESS AND REINTERVENTION RATES OF ERCP IN MALIGNANT BILIARY OBSTRUCTION

**Eshana Singh**

9. TWO-SYMPTOM SCREEN BASED ON ANMS GCSI-DD TO RULE OUT MODERATE-TO-SEVERE GASTROPARESIS SYMPTOM BURDEN IN AN ENDOSCOPY COHORT

**Kristīne Ričarda Muceniece**, Dace Dosone, Inguna Ebela, Linda Grantiņa, Mārcis Leja, Danute Ražuka-Ebela, Ivars Tolmanis

## **Internal Medicine - Different disciplines**

### **Room 401**

**Session moderators: Alvils Krams, Inita Buliņa**

#### **15.00 Oral presentations**

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

1. SENSITIZATION TO RESPIRATORY ALLERGENS IN THE LATVIAN POPULATION ASSESSED BY AN ELISA-BASED IN VITRO MULTIPLEX ALLERGY TESTING SYSTEM ALLERGY XPLORER  
**Maris Bukovskis**, Vlada Terepa, Normunds Jurka
2. DETECTION OF LUNG INVOLVEMENT IN RHEUMATOID ARTHRITIS PATIENTS USING COMPUTED TOMOGRAPHY AND ITS ASSOCIATION WITH DISEASE-MODIFYING THERAPY  
**Aleksejs Pšenovs**, Agnese Bišofa, Inita Buliņa
3. RESPIRATORY RATE MONITORING DURING EXERCISE USING MICROPHONE RECORDINGS AND SPECTROGRAM-BASED OBJECT DETECTION  
**Bernhards Bērtulis**, Jevgenijs Telicko
4. SECONDARY FIBROMYALGIA IMPACT ON THE QUALITY OF LIFE IN PATIENTS WITH HIGH PRIMARY DISEASE ACTIVITY  
**Valts Paberzs**, Daina Andersone, Renars Erts
5. TYPES OF PERITONEAL DIALYSIS MEMBRANE TRANSPORT: PREVALENCE AND ASSOCIATION WITH DIALYSIS ADEQUACY AND OVERHYDRATION  
**Evita Skruļa**, Ieva Korsaka, Ksenija Kudrjavceva, Viktorija Kuzema, Victoriya Petrova, Anna Popova, Ilze Puide, Aivars Pētersons, Gundega Riža
6. TREATMENT INTENSITY, ESCALATION, AND REMISSION ACROSS RF/ANTI-CCP SEROPHENOTYPES IN RHEUMATOID ARTHRITIS: A 5-YEAR RETROSPECTIVE COHORT STUDY

- Anna Oseņņikova**, Pauls Rubīns, Maksimilians Rate, Jeļizaveta Ponomarjova, Kārlis Gaigals
7. THE ROLE OF PET/CT IN THE PREOPERATIVE STAGING OF PERIPHERAL LUNG CANCER  
**Krista Gobzema**, Kristīne Akopjana, Arnis Kiršners, Alvilis Krams, Rihards Mikilps-Mikgelbs, Elīna Valtere-Avotiņa, Andrejs Ērglis
  8. ASSOCIATION OF EXTRACELLULAR VESICLE-ASSOCIATED MIRNAS FROM BRONCHOALVEOLAR LAVAGE FLUID WITH TUMOR PARAMETERS IN PERIPHERAL LUNG CANCER  
**Rihards Mikilps-Mikgelbs**, Kristīne Akopjana, Edgars Dauss, Ilona Freilība, Arnis Kiršners, Alvilis Krams, Miks Priedols, Dārta Pūpola, Ilmārs Stonāns, Janis Valeinis, Artūrs Ābols
  9. ASTHMA REMISSION AFTER ONE YEAR OF BIOLOGIC THERAPY IN SEVERE ASTHMA PATIENTS: ANALYSIS OF SHARP DATABASE DATA  
**Maris Bukovskis**, Iveta Kroica, Antra Bekere, Ieva Fleija, Inga Vikmane, Lilīta Mitrofanova, Sandra Auzina, Normunds Jurka, Alvilis Krams
  10. DIAGNOSTIC BRONCHOALVEOLAR LAVAGE EXTRACELLULAR VESICLE MIRNA SIGNATURES FOR PERIPHERAL LUNG CANCER  
**Miks Priedols**, Rihards Mikilps-Mikgelbs, Kristīne Akopjana, Edgars Dauss, Darta Pupola, Arnis Kiršners, Janis Valeinis, Arturs Abols, Ilmars Stonans, Alvilis Krams

## Paediatrics, Gynaecology and Obstetrics

### Room 301

**Session moderators: Ingrīda Rumba-Rozenfelde, Zane Krastiņa**

#### 15.00 Oral presentations

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

1. QUALITY INDICATORS OF VAGINAL DELIVERY CARE IN LATVIAN HOSPITALS  
**Zane Krastiņa**, Lilian Tzivjan, Ance Aumeistare, Bajare Iveta, Ilze Abolina
2. THE IMPACT OF PERINATAL ANTIBIOTIC EXPOSURE ON INFANT GUT MICROBIOTA DEVELOPMENT DURING INFANCY  
**Antra Kīsele**, Egija Zelča, Dita Gudrā, Daiga Kārklīņa, Larisa Zaharova, Jana Peterlevica, Maija Ustinova, Dāvids Fridmanis, Ilva Daugule
3. CONGENITAL MALFORMATIONS OF THE URINARY SYSTEM IN NEWBORNS, 2014-2023  
**Irisa Zile-Velika**, Zane Baltane, Inguna Ebela, Inese Ledina, Gita Taurina, Madara Auzenbaha, Ingrida Rumba-Rozenfelde

4. QUALITY OF WOMEN' S SEXUAL LIFE AT DIFFERENT STAGES OF LIFE  
Renārs Erts, Ramona Galsone, **Ieva Jasmane**
5. SYSTEMIC DEFICIENCIES IN SAFEGUARDING CHILDREN AGAINST ADDICTIONS, SEXUAL EXPLOITATION, AND GENDER-BASED DISCRIMINATION  
**Inguna Ebela**, Romualds Ražuks, Ingrida Rumba-Rozenfelde
6. BARRIERS TO HEALTHY EATING HABITS SOCIALLY VULNERABLE ADOLESCENTS: YOUTH PARTICIPATORY ACTION RESEARCH  
**Eliza Andrejeko**, Karīna Freiberga, Inga Elksne, Lolita Jakubāne, Una Veseta, Darja Nesteroviča
7. EVALUATION OF THE EFFECTIVENESS OF EDUCATION AND APPLIANCE OF THERAPEUTIC EXERCISES WITH PELVIC FLOOR MUSCLE COMPONENT IN REDUCING URINARY INCONTINENCE SYMPTOMS AND PROMOTING BODY AWARENESS FOR WOMEN  
**Marita Gaile**, Signe Bekere, Anna Rubika
8. GESTATIONAL TACHYCARDIA: AN UNDERESTIMATED CLINICAL RED FLAG  
**Nuray Jafarova**, Nigar Kamilova
9. TARGETED CLINICIAN-FOCUSED INTERVENTION IMPROVES DISEASE ACTIVITY DOCUMENTATION IN JUVENILE IDIOPATHIC ARTHRITIS  
**Akvilē Andriūnaitē**, Dovydas Bartkus, Aušra Šnipaitienė
10. ASSOCIATION OF QRS VOLTAGE ABNORMALITIES WITH LEFT VENTRICULAR EJECTION FRACTION IN DUCHENNE MUSCULAR DYSTROPHY  
**Magdalena Bazgier**, Jarosław Meyer-Szary, Patryk Macuk, Karolina Śledzińska, Jolanta Wierzba, Joanna Kwiatkowska

## **Surgery, Traumatology and Orthopaedics**

### **Room Alfa**

**Session moderators: Dainis Krieviņš, Igors Ivanovs**

#### **15.00 Oral presentations**

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

1. ORAL VS INTRAVENOUS ANTIBACTERIAL THERAPY IN PATIENTS WITH COMPLICATED APPENDICITIS  
**Marika Reinicane**, Igors Ivanovs
2. COMPARISON OF EARLY POSTOPERATIVE OUTCOMES AFTER TOTAL THYREOIDECTOMY FOR MULTINODULAR TOXIC GOITRE AND GRAVES DISEASE AT PAULS STRADINŠ CLINICAL UNIVERSITY HOSPITAL

- Laura Veinberga**, Rita Niciporuka, Janis Vilmanis, Jelena Pogodina, Arturs Ozolins, Zenons Narbutis
3. A COMPARATIVE RETROSPECTIVE STUDY OF LAPAROSCOPIC CHOLEDOCHOSCOPY AND TRANSCYSTIC PAPILLARY BALLOON DILATATION IN MANAGEMENT OF CHOLEDOCHOLITIASIS  
**Glebs Grinovs**, Dmitrijs Aleksandrov, Igors Ivanovs, Dmitrijs Skicko
  4. LONG-TERM OUTCOMES AFTER LAPAROSCOPIC GIANT HIATAL HERNIA REPAIR WITH TOUPET FUNDOPLICATION AND PHASIXTN NON-ST MESH  
**Sergejs Pugačs**, Igors Ivanovs
  5. LAPAROSCOPIC VS. OPEN GASTRIC RESECTIONS. 5-YEAR COMPARISON OF SURVIVAL RATES AND COMPLICATIONS IN RIGA EAST UNIVERSITY HOSPITAL  
**Zigurds Tamans**, Igors Ivanovs
  6. MANAGEMENT STRATEGIES AND CLINICAL OUTCOMES OF LIVER ABSCESSSES IN A TERTIARY SURGICAL CENTRE (2018-2025)  
**Armands Pocs**, Laura Veinberga, Janis Vilmanis, Arturs Ozolins, Janis Gardovskis, Inga Nalivaiko, Mara Liepa
  7. TREATMENT OUTCOMES AFTER INTRAVESICAL BCG THERAPY COMPAIRED WITH TURBT ALONE IN NON-MUSCLE -INVASIVE BLADDER CANCER  
**Maksimilians Rate**, Krista Gobzema, Anna Knipše, Anna Oseņņikova, Juris Plonis, Poļina Podoļako, Jelīzaveta Ponomarjova
  8. PREVALENCE OF MODIC CHANGES IN PATIENTS WITH RECURRENT LUMBAR INTERVERTEBRAL DISC HERNIATIONS  
**Daniels Deksnis**, Kalvis Briuks, Jēkabs Aksiks
  9. THE IMPACT OF TIME TO DEFINITIVE FIXATION ON REDUCTION ACCURACY IN ACETABULAR FRACTURES  
**Vladislava Dikalova**, Jevgeņijs Movčans, Konstantīns Plotņikovs
  10. CLINICAL AND RADIOLOGICAL SHORT-TERM RESULT COMPARISATION BETWEEN CEMENTED AND CEMENTLESS GLENOID FIXATION IN TOTAL SHOULDER ARTHROPLASTY WITH STEMLESS ANATOMICAL IMPLANT  
**Rihards Vugulis**, Michele Oveglia, Aigars Vugulis

## Anaesthesiology and Intensive Care

### Room 105

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

#### 15.00 Oral presentations

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

1. SATISFACTION OF PARTURIENTS WITH EPIDURAL ANALGESIA DURING DELIVERY: ANALYSIS OF QUESTIONNAIRE AT A 2ND LEVEL HOSPITAL  
**Agnese Bišofa**, Joanna Dravante, Iveta Golubovska, Līga Kauliņa, Aleksejs Pšenovs, Baiba Pūcite, Rita Sāltījuma, Sandra Tamane, Sergejs Zadorožnijs
2. THERMOGRAPHY VERSUS NON-INVASIVE TEMPERATURE SENSOR: A COMPARATIVE EVALUATION OF SKIN TEMPERATURE CHANGE AFTER FEMORAL NERVE BLOCK IN KNEE ARTHROPLASTY  
**Vladimirs Serskihs**, Aleksejs Miščuks, Antons Suškovs, Elza Romane, Iveta Golubovska, Rūdolfs Spilva, Elva Eglīte
3. THERMOGRAPHY FOR MONITORING THE EFFECTIVENESS OF REGIONAL ANESTHESIA IN TOTAL KNEE ARTHROPLASTY: FOCUS ON FEMORAL NERVE BLOCK  
**Vladimirs Serskihs**, Elva Eglīte, Iveta Golubovska, Aleksejs Miščuks, Elza Romane, Rūdolfs Spilva, Antons Suškovs
4. VANCOMYCIN TISSUE DISTRIBUTION IN INTERVERTEBRAL DISCS IN THE SETTING OF SPINAL SURGERY  
**Sofja Grundāne**, Dace Bandere, Kalvis Briuks, Sigita Kazune, Arturs Paulausks, Aleksejs Repnikovs
5. THE IMPACT OF MIDDLE CEREBRAL ARTERY BLOOD FLOW VELOCITY ON DELAYED NEUROCOGNITIVE RECOVERY IN PATIENTS UNDERGOING CAROTID ENDARTERECTOMY  
Rasa Bukauskienė, **Tadas Česnaitis**, Eglė Kirtiklytė, Vaiva Pakalniškė, Greta Varžaitytė, Mindaugas Mikutavičius, Emil Atie, Tomas Bukauskas, Paulius Budrikis, Tadas Lenkutis, Linas Velicka
6. EARLY RECOVERY AFTER MAJOR JOINT ARTHROPLASTY  
**Viktorija Panova**, Iveta Golubovska, Antons Suškovs, Una Bladiko, Letīcija Aelīta Ločmele, Rūdolfs Vētra, Ilze Vīndele, Matīss Zolmanis
7. ASSOCIATIONS BETWEEN PREMEDICATION, ANAESTHESIA MODALITY AND PATIENT-REPORTED RECALL OF PAIN TREATMENT INFORMATION FOLLOWING ORTHOPAEDIC SURGERY: A MULTICENTRE REGISTRY-BASED STUDY  
**Liva Jasote**, Iveta Golubovska, Aleksejs Miščuks, Sergejs Zadorožnijs
8. POSTOPERATIVE PAIN INTENSITY AND ANALGESIA QUALITY AFTER SPINAL SURGERY: COMPARISON BETWEEN TRAUMATOLOGY & ORTHOPAEDICS HOSPITAL DATA AND NORTH KURZEME REGIONAL HOSPITAL  
**Edīte Boitmane**, Sigita Kazune
10. SEVERE ANAPHYLACTIC SHOCK FOLLOWING INDUCTION OF ANESTHESIA WITH PROPOFOL, ATRACURIUM, AND VANCOMYCIN

- Ance Dudarenoka**, Sigita Kazune, Karlis Aleksis Upenieks
11. PREOPERATIVE ANEMIA PREVALENCE AND MANAGEMENT GAPS IN ORTHOPEDIC SURGERY: A PROSPECTIVE ANALYSIS
- Ance Dudarenoka**, Sigita Kazune

## Ophthalmology

### Room 725

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

#### 15.00 Oral presentations

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

1. POSTOPERATIVE OUTCOMES OF LONG-STANDING FULL-THICKNESS MACULAR HOLES  
**Līga Radecka**, Uldis Malinovskis, Kristine Baumane
2. INTRAOCULAR PRESSURE FLUCTUATIONS AFTER GONIOSCOPY-ASSISTED TRANSLUMINAL TRABECULOTOMY AND TRABECULECTOMY  
**Ieva Briede**, Eliza Briede, Gunta Blezura-Udre, Kristine Baumane
3. OPHTHALMIC COMPLICATIONS AFTER COVID-19 INFECTION  
**Leman Sadikhova**, Flora Agamaliyeva, Sariya Guliyeva
4. CO<sub>2</sub> LASER VERSUS CONVENTIONAL SURGERY IN UPPER BLEPHAROPLASTY: CLINICAL OUTCOMES AND HEALING PROFILE  
**Dineja Veinberga**, Kristīne Baumane
5. ELECTROPHYSIOLOGICAL CHANGES OF THE OPTIC NERVE IN PATIENTS WITH OPTIC NERVE HEAD DRUSEN  
**Jurijs Kosnarevičs**, Kristīne Fomina
6. EXPLORING THE DIAGNOSTIC VALUE OF OCT ANGIOGRAPHY AND FUNDUS IMAGING IN DIABETIC RETINOPATHY  
**Renāte Plaude**, Kristīne Baumane
7. ASSOCIATION BETWEEN ADVANCED GLYCATION ENDPRODUCTS AND RETINAL MICROVASCULAR CHANGES ASSESSED BY OCT ANGIOGRAPHY IN DIABETES MELLITUS  
**Beate Pēterfelde**, Kristīne Baumane, Jūlija Janceva, Renāte Plaude, Dace Pētersone, Jeļizaveta Sokolovska, Zane Svikle, Jānis Valeinis
8. INCIDENCE OF CATARACT SURGERY IN PSEUDOEXFOLIATIVE GLAUCOMA PATIENTS AFTER GONIOSCOPY-ASSISTED TRANSLUMINAL TRABECULOTOMY  
**Gunta Blezura Udre**, Kristīne Baumane

9. SURGICAL TREATMENT OF SECONDARY GLAUCOMA: A FOUR-YEAR ANALYSIS OF SURGICAL TRENDS AT RIGA EAST UNIVERSITY HOSPITAL (2021-2024)  
**Kristīne Baumanē**, Gunta Blezūra-Ūdre, Elīza Briede, Beate Pēterfelde

## **Pathology**

### **Room 207**

**Session moderators: Sergejs Isajevs, Jurijs Nazarovs**

#### **15.00 Oral presentations**

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

1. PREDICTIVE ROLE OF CLINICAL AND BLOOD MARKERS IN MELANOMA TREATED WITH IMMUNE CHECKPOINT INHIBITORS AT LATVIAN ONCOLOGY CENTER  
**Lana Mieze**, Simona Donina, Dace Pjanova, Ieva Vaivode
2. MACHINE LEARNING-BASED PREDICTION OF BREAST CANCER RECURRENCE USING BLOOD BIOMARKERS, HEMATOLOGICAL PARAMETERS, AND TUMOR CHARACTERISTICS  
Renars Erts, **Jagdeep Khaira**, Samanta Reine
3. CLINICAL MANIFESTATIONS AT THE TIME OF DIAGNOSIS IN PATIENTS WITH PRIMARY BRAIN TUMORS AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL IN 2023–2024  
**Valerija Veinberga**, Milana Alferčika, Sigita Hasnere, Sofija Kurjatņikova
4. INCIDENCE AND APPLIED THERAPY OF UVEAL MELANOMA AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL FROM 2023 TO 2024  
**Milana Alferčika**, Linda Jurginauska, Sofija Kurjatņikova, Valerija Veinberga
5. TREATMENT OPTIONS FOR UPPER LIMB LYMPHEDEMA IN BREAST CANCER PATIENTS AFTER BREAST CANCER SURGERY AT THE REHABILITATION MEDICINE CENTRE OF PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL IN 2025  
**Sofija Kurjatņikova**, Milana Alferčika, Sigita Hasnere, Darja Stankeviča, Valerija Veinberga
6. ASSESSMENT OF BREAST CANCER RECURRENCE RISK BASED ON BI-RADS, TUMOR SIZE, AND PATIENT AGE  
**Katrīna Litvinska**, Rebeka Elizabete Buša, Renars Erts, Samanta Reine

7. COMPARISON OF CYTOLOGY AND HISTOPATHOLOGY IN THE DIAGNOSIS OF BASAL CELL CARCINOMA: A RETROSPECTIVE STUDY  
**Juris Podoļanskis**, Tatjana Zablocka
8. COMPREHENSIVE MOLECULAR PROFILING OF SOLID TUMOURS USING MSI TESTING AND NGS ANALYSIS  
**Baiba Lāce**, Aija Balode, Ņina Beknazarova, Inga Bogdanova, Aigars Dzalbs, Inna Iņāškina, Līga Kangare, Una Krūmiņa, Roberts Lozins, Māra Melnalksne, Daiga Mūrmane, Andrejs Pčolkins, Dārta Pūpola, Miķelis Pūķis, Jeļena Ristolainena, Agnese Rozenvalde, Arta Spridzāne, Linda Tukmane, Elīna Vaidere, Reinis Vangravs, Laura Veite, Reinis Zeltmatis, Jānis Ziemelis

## **Nursing**

### **Room 501**

**Session moderators: Igors Ivanovs, Ina Mežina- Mamajeva**

#### **16.00 Oral presentations**

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

1. MIDWIFERY LEADERSHIP IN WOMEN'S CHILDBIRTH CARE  
**Samanta Dadūraitē**, Alina Vaškelytė
2. QUANTIFYING NURSING WORKLOAD IN INTENSIVE CARE UNITS: EVIDENCE FROM A NATIONAL MULTICENTRE STUDY IN LATVIA  
**Olga Cerela-Boltunova**, Inga Millere
3. OCCUPATIONAL STRESS AND QUALITY OF LIFE AMONG NURSES IN ALBANIA: A QUANTITATIVE STUDY USING STANDARDIZED INSTRUMENTS  
**Juventina Ngjela**, Erda Qorri
4. STANDARDIZATION OF CRITERIA FOR NURSES'DAILY RECORDS IN PEDIATRIC INPATIENT CARE: A QUALITATIVE ACTION RESEARCH STUDY  
**Dana Kamzola**
5. EFFECT OF SURGERY TIMING ON PATIENT-REPORTED PAIN ON THE FIRST DAY AFTER ACUTE TRAUMA SURGERY: RESULTS FROM THE INTERNATIONAL PAIN OUT STUDY  
**Agnese Vinčle**, Iveta Golubovska, Sergejs Zadorožnijs

# POSTER PRESENTATIONS

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

**2<sup>nd</sup> floor atrium**

**13:00-15:00 Poster presentations**

## **Public Health and Epidemiology**

1. TRANSLATION INTO LATVIAN AND VALIDATION OF THE INSTRUMENT "CLIENT-CENTRED REHABILITATION QUESTIONNAIRE"  
**Agnese Ričika**, Illa Mihejeva
2. DEVELOPMENT OF A MULTI-CRITERION DECISION ANALYSIS MODEL FOR REPEATED USE WITHIN LATVIAN REIMBURSEMENT SYSTEM OF PHARMACEUTICAL PRODUCTS  
**Uldis Hlevickis**
3. EVALUATION OF PYRROLIZIDINEALKALOIDS IN THE MOST COMMON WEEDS IN LATVIA AND THEIR TRANSFER DURING MEDICINAL PLANT CULTIVATION AS A PUBLIC HEALTH CONCERN  
**Ilva Nakurte**, Gundars Skudriņš
4. NATIONAL TRENDS IN GASTRIC CANCER INCIDENCE AND MORTALITY IN UZBEKISTAN (2015-2024)  
**Sayde Djanklich**, Abrorjon Yusupbekov, Alisher Berkinov, Venera Seitshayeva, Olim Imamov, Umida Ismaillova
5. PREVALENCE OF VITAMIN D AND IRON DEFICIENCY AMONG INTERNATIONAL ADULT PATIENTS IN PRIMARY CARE IN LATVIA  
**Adrian Vartic**, Alberto Sadu
6. LATVIAN GENOME REFERENCE PROJECT IN THE GENOME OF EUROPE: GENOMIC DATA INFRASTRUCTURE-ENABLED INTEROPERABILITY WITH THE NATIONAL GENOMIC DATABASE INFORMATION SYSTEM  
**Aivars Cirulis**, Voronova Angelika, Laura Ansone, Monta Briviba, Janis Klovinis, Edgars Lakis, Kaspars Megnis, Janis Pjalkovskis, Ivars Silamikelis, Rolands Strazdins
7. MEDICAL RISK FUND APPLICATIONS IN LATVIA (2014–2024): PATIENT SAFETY, QUALITY OF HEALTHCARE, AND COMPENSATION DYNAMICS  
**Aija Leidere - Reine**, Margarita Puķīte
8. CHANGES IN PUBLIC AWARENESS OF OBSTRUCTIVE SLEEP APNEA BETWEEN YEARS 2016 AND 2023  
**Ivars Dominiks Noctis**, Nikola Anna Intlere, Laura Eduarda Prošina, Dāniela Bāra, Ēriks Vidžups, Arvīds Grigans

## Pharmaceutical Sciences

9. ISOLATION OF STREPTOMYCES SP. FROM THE WOODED DUNES IN LATVIA AND THE CHARACTERISATION OF THEIR ANTIMICROBIAL POTENTIAL  
**Agate Iesalniece**, Anitra Zīle, Anete Boroduške
10. MANUFACTURING QUALITY ASSESSMENT OF SEMI-SOLID EXTRUSION 3D PRINTING FOR PHARMACEUTICAL FILMS: MICROSTRUCTURAL ANALYSIS AND USP COMPLIANCE EVALUATION  
**Gintaras Matulis**, Jurga Bernatienė, Nataliia Herbina, Yuliia Maslii, Lauryna Pudžiuvelytė
11. THERAPY-SPECIFIC ASSOCIATIONS OF PROTEASOME GENE POLYMORPHISMS WITH NEDA STATUS IN A LATVIAN MULTIPLE SCLEROSIS COHORT  
**Jegors Paramonovs**, Ilva Trapiņa, Samanta Pļaviņa, Daniela Malakovska, Jolanta Kalnina, Natalia Paramonova
12. VITAMIN D PATHWAY GENETICS AND NEDA OUTCOMES ACROSS MS THERAPIES IN A LATVIAN COHORT  
**Daniela Malakovska**, Jolanta Kalnina, Natalia Paramonova, Jegors Paramonovs, Samanta Pļaviņa, Nikolajs Sjakste, Ilva Trapiņa
13. FORMULATION AND STABILIZATION OF AMORPHOUS EMPAGLIFLOZIN IN CORE-SHELL ELECTROSPUN NANOFIBERS FOR ENHANCED DRUG PERFORMANCE  
**Nikija Anspoka**, Kristaps Sarsuns, Artis Kons, Viktor Zabolotnii, Roman Viter, Agris Berzins

## Basic Medical Sciences

14. IN VITRO ASSESSMENT OF SIZE-DEPENDENT BIOEFFECTS OF TITANIUM-BASED MXENES  
**Pavlo Shubin**, Volodymyr Deineka

## Mental Health, Neurology and Neuropharmacology

15. DESIGNING BIBLIOTHERAPY PROGRAMS IN SPORT: INSIGHTS FROM LATVIAN COACHES' READING HABITS AND DISCIPLINE-SPECIFIC ENGAGEMENT  
**Jolanta Upīte, Roberts Petrovičs, Nikola Anna Intlere**, Simona Upīte

16. BURNOUT SYNDROME AMONG EMERGENCY DEPARTMENT PHYSICIANS AT PAULS STRADINS CLINICAL UNIVERSITY HOSPITAL  
**Daniela Vinoja**, Jevgēnijs Kravčuks
17. THE IMPACT OF EMOTIONAL STATE ON DECISION-MAKING, COMMUNICATION, AND WELL-BEING AMONG MEDICAL STAFF: A PILOT STUDY  
**Paulis Lauga**, Renars Erts
18. PATTERNS OF ARTIFICIAL INTELLIGENCE TOOL USE FOR MENTAL HEALTH SUPPORT AMONG ADOLESCENTS AND YOUNG ADULTS  
**Paula Birzniece**, Agija Tomme
19. DEPRESSIVE SYMPTOMS IN HEALTHCARE WORKERS: A CROSS-SECTIONAL PILOT SURVEY  
**Jekaterina Andrejeva**, Renars Erts, Irena Frolova
20. PATIENT REPORTED OUTCOMES AMONG CHRONIC NEUROPATHIC PAIN PATIENTS ACROSS DIFFERENT STAGES OF PAIN MANAGEMENT  
Ramona Valante, **Aaro Österman**
21. PRIMARY EMOTIONAL AFFECTIVE SYSTEMS IN OUT-PATIENT PSYCHOTHERAPY PATIENTS: PERSONALITY ORGANIZATION, CLINICAL DIAGNOSES AND THERAPISTS' PERSPECTIVES  
**Jana Vībure**, Inta Zīle
22. RELATIONSHIP BETWEEN ANXIETY AND THE CAPACITY TO LOVE IN THE STUDENT POPULATION  
**Sandra Samoilova**, Rolands Ivanovs, Marta Kalniņa, Dāvis Edgars Liepa, Aija de Starceva-Apele
23. CLINICAL PRESENTATION AND DIAGNOSTIC EVALUATION OF CREUTZFELDT–JAKOB DISEASE: A FIVE-YEAR SINGLE-CENTRE EXPERIENCE  
**Maanasi Pidke**, Ramona Valante
24. ASSOCIATION OF DEPRESSIVE AND ANXIETY SYMPTOMS WITH DIGITAL DEVICE USE PATTERNS AND PERCEIVED IMPACT ON SLEEP  
**Kristina Lacombe**, Rolands Ivanovs
25. FAMILY ENVIRONMENT AND CHILD PSYCHIATRY: A HOSPITAL-BASED RETROSPECTIVE STUDY  
**Kristina Lacombe**, Aļina Gorbačova

## **Internal Medicine - Cardiology, Endocrinology**

26. EFFECTIVENESS OF ANTIARRHYTHMIC DRUG THERAPY IN PATIENTS WITH PREMATURE VENTRICULAR CONTRACTIONS AWAITING CATHETER ABLATION  
**Beatrise Brikovska**

27. CT THROMBUS DENSITY AND ITS ASSOCIATION WITH BIOMARKERS AND SEVERITY IN ACUTE PULMONARY EMBOLISM  
**Ivo Miļūns**
28. LACTATE PROFILE, VO<sub>2</sub>PEAK, AND BLOOD PRESSURE RESPONSES IN MAXIMAL EXERCISE TESTING IN GRASSROOTS ATHLETES  
**Kristīne Bumbiere**, Līga Plakane, Laila Ušacka
29. COMORBID COURSE OF TYPE 2 DIABETES MELLITUS AND ARTERIAL HYPERTENSION  
Bayan Nurgaliyeva, Ayanat Omar, **Botagoz Patsaeva**
30. PREVALENCE OF TYPE 2 DIABETES MELLITUS AND ASSOCIATED FACTORS AMONG PATIENTS WITH LIVER CIRRHOSIS AT THE LATVIAN CENTRE OF INFECTIOUS DISEASES (2020–2024)  
**Agnese Rozīte**, Anna Bumbiere, Anda Zamure, Ieva Tolmane
31. THE IMPORTANCE OF SLEEP APNEA SCREENING IN PATIENTS WITH ARTERIAL HYPERTENSION AND TYPE 2 DIABETES MELLITUS IN GENERAL PRACTICE  
**Anastasija Tjukova**
32. CHARACTERISTICS OF TYPE 2 DIABETES IN ADULTS AGED 30 AND OVER: ANALYSIS OF COMPENSATION AND COMPLICATIONS IN TWO FAMILY DOCTOR PRACTICES  
**Inese Briksne**, Līga Kozlovska
33. TWO-MONTH RESPONDER OUTCOMES FOLLOWING LIFESTYLE RECOMMENDATIONS IN OUTPATIENT FOLLOW-UP  
**Tereza Raikstina**, Sofija Ivanova, Aleksejs Fedulovs, Guna Bilande, Marina Arisova, Zane Smite, Eriks Vilunas, Jelizaveta Sokolovska
34. ASSOCIATION BETWEEN LIFESTYLE HABITS AND BLOOD GLUCOSE LEVELS IN MEDICAL COLLEGE STUDENTS  
**Rūta Melbārde-Vāvere**, Aiga Stivriņa

## Oncology

35. THERAPY FOR PATIENTS WITH TESTICULAR TUMORS AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL PERIOD FROM 2021–2025  
**Laura Kavecka**, Sigita Hasnere
36. PATTERNS OF MOLECULAR RESPONSE IN CHRONIC MYELOID LEUKEMIA  
**Jelizaveta Ponomarjova**, Kristīne Bernāte, Aija Geriņa, Anna Oseņņikova, Maksimilians Rate
37. DETERMINANTS OF HIGH-RISK RENAL CANCER  
**Elva Eglīte**, Sigita Hasnere, Rūdolfs Spilva

38. FACTORS ASSOCIATED WITH MELANOMA STAGE AT DIAGNOSIS: A RETROSPECTIVE STUDY  
**Natalja Guiska**, Silvestrs Rubins
39. TIME TO DEFINITIVE TREATMENT FOR CUTANEOUS MELANOMA AT THE LATVIAN ONCOLOGY CENTER IN 2025: A RETROSPECTIVE DELAY ANALYSIS  
**Anete Erta**, Anda Apine

## Internal medicine - Gastroenterology

40. MARKERS OF INTESTINAL BARRIER DYSFUNCTION AND GUT DERIVED METABOLITES LINKED TO T1D PROGRESSION  
**Andris Romasovs**, Poļina Zaļizko, Aleksejs Fedulovs, Leonora Pahirko, Hanne Salmenkari, Markku Lehto, Jelizaveta Sokolovska
41. EOSINOPHILIC INFILTRATION IN THE GASTROINTESTINAL TRACT OF PATIENTS WITH TYPE I DIABETES MELLITUS, PRELIMINARY DATA  
**Santa Ivanova**, Renate Bumane, Aleksejs Fedulovs, Silva Senņkāne, Jelizaveta Sokolovska, Poļina Zaļizko
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