



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific
Conference on Medicine

25-26 March 2022, online

PROGRAM OVERVIEW

Friday, 25 March

9.15-10.30 Opening of the conference | Plenary Session

11.00-13.00 Basic Medical Science oral presentations

11.00-13.00 Cardiovascular & Regenerative Medicine oral, e-poster presentations

11.00-13.00 Mental Health oral, e-poster presentations

11.00-13.00 Paediatrics oral presentations

11.00-13.00 Pharmacy oral presentations

13.30-14.15 Paediatrics e-poster presentations

13.30-15.30 Anaesthesiology, Reanimatology & Intensive Care oral, e-poster presentations

13.30-15.30 Infectious Diseases & Pulmonology oral, e-poster presentations

13.30-15.30 Internal Medicine oral, e-poster presentations

13.30-15.30 Ophthalmology oral, e-poster presentations

13.30-15.00 Public Health & Epidemiology oral presentations

15.30-16.30 Public Health & Epidemiology e-poster presentations

15.45-17.30 Gastroenterology, Nutrition, Gastrointestinal Oncology & Microbiota oral, e-poster presentations

16.00-17.30 Surgery & Traumatology oral, e-poster presentations

16.00-18.00 Oncology oral presentations

Saturday, 25 March

10.00-11.00 Neurology & Oncology e-poster presentations

12.00-13.00 Basic Medical Science e-poster presentations

12.00-13.00 Pharmacy e-poster presentations

12.00-13.00 Nursing oral presentations



80th International Scientific
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University of Latvia 2022

International Scientific Conference on Medicine

Basic Medical Science

Friday, 25 March 2022,
11:00-13:00 EET, Riga time

Session chairs: Immanuels Taivans, Nikolajs Sjakste

11:00 Oral presentations

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

Co-Culture Approaches with Organoids of the Human Exocrine Pancreas

Parfejevs Vadims, Goluba Karīna, Kunrade Līga, Pleiko Kārlis, Jēkabsons Kaspars, Vilmanis Jānis, Pčolkins Andrejs, Terjajevs Igors, Riekstiņa Una

Validation of the GC Vitamin D Binding Protein Gene rs7041 and rs4588 Genetic Variations on the Association with Bronchial Asthma in Latvians

Trapiņa Ilva, Paramonova Natalia, Pļaviņa Samanata, Rumba–Rozenfelde Ingrīda, Sjakste Nikolajs

Meta- and Bioinformatics Analysis of GC Vitamin D Binding Protein Gene Polymorphisms as Possible Molecular Markers for Multiple Sclerosis in Latvian Population

Leonova Elina, Trapiņa Ilva, Pļaviņa Samanta, Paramonova Natalia

Population Genetic Screening Reveals Congenital Myotonia as the Most Frequent Neuromuscular Disorder in Latvia

Lāce Baiba, Stāvusis Jānis, Mičule Ieva, Kēniņa Viktorija, Strautmanis Jurģis, Zdanoviča Anna, Kleina Elfa, Inashkina Inna

Citrulline, D-Lactate and Intestinal Fatty Acid Binding Protein Levels in Rat Plasma Using Rat Mesenteric Ischemia Model

Silavniece Marta, Makrecka-Kūka Marina, Bahire Ksenija Lūcija, Jēkabsons Kaspars, Jansone Baiba, Volrāts Olafs, Muceniece Ruta

CDKN2A/CEP9 Fluorescence in Situ Hybridization and Expression of p16 and p53 in Patients with Oropharyngeal Squamous Cell Carcinoma- Pilot Study

Tatičeka Margarita, Nevidovska Kristīne, Sperga Māris

The Effect of Electronic Cigarette Aerosol on Rat Testis

Popova Tetiana, Gubina-Vakulik Galina

Phenotypic Diversity of Multidrug-Resistant Pseudomonas Aeruginosa and Acinetobacter Baumannii

Sproģe Dana, Lozda Daniela, Līduma Iveta

Optimization of the 3-Dimensional Cell Culture Model of Colon Adenocarcinoma

Michel Olga, Geneja Magdalena, Gołdyn Elżbieta M., Gos Michalina, Rossowska Joanna



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International Scientific Conference on Medicine

Cardiovascular and Regenerative Medicine

Friday, 25 March 2022,
11:00-13:05 EET, Riga time

Session chairs: Andrejs Ērglis, Gustavs Latkovskis

11:00 Oral presentations

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

Intrahospital Outcomes After True Coronary Bifurcation Stenting

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

Characteristics of Lipoprotein(a) Levels in Patients Included in the Latvian Registry of Familial Hypercholesterolemia

Nesterovičs Georgijs, Šaripo Vita, Meiere Rūta, Tērauda Ēlizabete, Krikščūne Annija, Skudriņa Gunda, Gilis Daiņus, Ērglis Andrejs, Latkovskis Gustavs

Effect of Inclisiran on Lipid Profile at 3 Month Follow-up: First Clinical Experience in Latvian Center of Cardiology

Trušinskis Kārlis, Kokina Baiba, Lapšovs Māris, Karantajere Mairita, Knoka Evija, Caunīte Laima, Jēgere Sanda, Narbutė Inga, Mintāle Iveta, Roze Rūdolfs, Sondore Dace, Kumsārs Indulis, Ērglis Andrejs

Sea Buckthorn Seed Oils as a Novel Omega 3 Source for Coronary Heart Disease Patients with Residual Risk

Mintale Iveta, Erglis Kristaps, Zuzans Ralfs, Romanovska Aija, Erglis Martins, Bajare Iveta, Dzerve Vilnis, Erglis Andrejs

Correlation of Inflammation, Lipidogram and Haematological Readings in Chronic Heart Failure Patients

Gujytė Greta, Mongirdienė Aušra, Laukaitienė Jolanta

Association of Mineralocorticoid Receptor Gene nr3c2 Polymorphism rs4635799 with Acute Myocardial Infarction

Braukyliene Rima, Aldujeli Ali, Maciulevicius Laurynas, Jankauskaite Darija, Jurenas Martynas, Unikas Ramunas, Zabiela Vytautas, Baksyte Giedre, Gustiene Olivija, Lesauskaite Vaiva, Simonyte Vaiva, Zaliaduonyte Diana

How to Reduce the Residual Cardiovascular Risk: Focus on Phytosterols

Ērglis Kristaps, Dzērve Vilnis, Romanovska Aija, Jēgere Sanda, Mintāle Iveta, Kalviņš Ivars, Jakobsons Ēriks, Ērglis Mārtiņš, Romanovska Beatrise Lūcija, Ērglis Andrejs

Comparison of Two Preparation Methods for Platelets Rich Plasma on Treatment of Knee Osteoarthritis: Platelets/Leukocytes Count Measurement and Clinical Outcome Evaluation

Shalha Loay, Goncars Valdis

Real-Time Lactate Production Monitoring in Bioreactor System by Multi-Channel Photometric Device

Jakobsons Eriks, Eihentale Alma, Rupaine Beatrise Lucija, Erglis Kristaps, Erglis Martins, Romanauska Aija, Muiznieks Indrikis, Erglis Andrejs

Cell Expansion Process Automation by Application of Real-Time Glucose and Lactate Monitoring Device

Jakobsons Eriks, Eihentale Alma, Rupaine Beatrise Lucija, Erglis Kristaps, Erglis Martins, Romanauska Aija, Muiznieks Indriķis, Erglis Andrejs

Clinical Outcome of Hip and Knee Joint Early Osteoarthritis Treatment Using Bone Marrow Derived Mononuclear Cells on Three-Year Follow-Up

Alpe Kristians, Goncars Valdis, Jakobsons Eriks, Erglis Andrejs, Kalnberzs Konstantins

Assessment of Three-Dimensionally Printed Polycaprolactone Tissue Scaffold Fabrication Protocols

Jakobsons Ēriks, Rupaine Beatrise Lūcija, Ērglis Kristaps, Kļava Juris, Ērglis Andrejs

13:00 E-poster presentations

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

Minimally Invasive Ventricular Septal Defect Closure on a Beating Heart: Our Center Experience

Adilbekova Akkerbez, Marasulov Shukhrat, Maiorov Rinat, Kozhakhmetov Saken



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Mental Health

Friday, 25 March 2022,
11:00-13:00 EET, Riga time

Session chair: Andis Užāns

11:00 Mental health when the world has turned upside down

Kolesnikov Igor
Institute of Neurocommunications and
Psychotherapy, Lithuania

11:20 Oral presentations

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

Self-Destructiveness and Suicidality and Their Impact on
Health in Adolescents in Latvia

Zīle Inta, Tzivian Lilian

Emotion Recognition and Emotion Regulation Skills in
Migraine Patients

Lazdiņa Agita, Dūdiņa Kristīne, Užāns Andis

Intrinsic Motivation Assessment of the First Patients
Enrolled in the DisCoVer Trial – Innovative Major
Depressive Disorder Treatment

Konosonoka Liene, Rubene Linda, Padberg Frank,
Bavelier Daphne, Hummel Friedhelm, Bonne Omer,
Nahum Mor, Rancans Elmars

Criteria for Unauthorised Treatment in Psychiatry

Konstantinova Karīna, Olsena Solvita, Loseviča
Marina

Depression Symptoms and COVID-19 Related Factors in
Latvia Psychiatric Hospitals Emergency Room Staff
During the Pandemic

Počopko Aļona, Everte Ieva, Brūna Krista,
Gaibišele Agnese, Dalbiņa Lolita, Taube Māris

Trends in Pediatric Psychiatric Inpatient Characteristics
During the COVID 19 Pandemic at Children's Clinical
University Hospital, Riga, Latvia

Poluņins Ļevs, Linde Matīss, Lismane Diāna,
Krišjāne Madara, Bezborodovs Nikita

Comparison of Eating Disorders During the COVID-19
Pandemic and Pre-Pandemic Period in the Child
Psychiatry Clinic of Children's Clinical University Hospital
of Latvia

Linde Matīss, Lismane Diāna, Krišjāne Madara,
Poluņins Ļevs, Bezborodovs Nikita

Anxiety and the Related Factors in Frontline Healthcare
Workers at Latvia Psychiatric Hospitals During the
COVID-19 Pandemic

Gaibišele Agnese, Everte Ieva, Brūna Krista,
Počopko Aļona, Dalbiņa Lolita, Taube Māris

E-poster presentations

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

Quality Indicators in Mental Health Care - Worldwide
Experience and Situation in Latvia

Ivašenko Tarass, Loseviča Marina, Kajandere
Anastasija, Lieldidža-Kolbina Jeļizaveta

Indications for Medical Treatment Without Consent –
Opinions of Medical Practitioners

Konstantinova Karīna



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Paediatrics

Friday, 25 March 2022,
11:00-13:00 EET, Riga time

Session chair: Ingrīda Rumba-Rozenfelde

11:00 The gut microbiota and diet

Birka Ilze
Pauls Stradiņš Clinical University Hospital, Latvia

11:20 Oral presentations

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

Joint Activities of Parents and Children in the Family
Aimed for Child Health Promotion

Strazdiene Neringa, Strukcinskiene Birute, Mickiene Raimonda, Strukcinskaite Vaiva, Darius Steponkus

Prolonged Recovery in Children with Acute Appendicitis
Due to a Previous SARS-Cov-2 Infection

Vansevičienė Idilė, Dekerytė Inga, Krunkaitytė Ugnė, Lukošūtė-Urbonienė Aušra, Malcius Dalius, Barauskas Vidmantas

Indicators Affecting the Treatment of Burn Wounds of
Pediatric Patients: A Retrospective Analysis

Budzyńska Julia, Koziol Ilona, Leśniewska Magdalena, Korzeniowski Tomasz, Surowiecka Agnieszka

Assessing Quality of Life in Children with Atopic
Dermatitis

Gedroviča Jūlija, Ozola Jana, Rumba-Rozenfelde Ingrīda

Multisystem Inflammatory Syndrome in Children
Associated with COVID-19 Characteristics in Children
in Latvia

Bloha Milāna, Rumba-Rozenfelde Ingrīda

Isolated Cleft Palate Is Not Always Multifactorial
Disease

Pajusalu Sander, Livčāne Diāna, Grīnfelde Ieva, Akota Ilze, Mauliņa Ieva, Barkāne Biruta, Stāvusis Jānis, Iņaškina Inna, Lāce Baiba

Assessment of Olfactory Dysfunction in Children After
COVID-19 Infection

Pūķe Anda, Kupica Ligita

Association Between Infant Anemia and Their Feeding
Practice, Length Velocity and Atopic Dermatitis in the
First Year of Life

Vecumniece Lauma, Rozenbergs Krišs, Miščurina Anastasija, Purviņa Velta, Kārklīņa Daiga, Kupča Sarmīte, Rumba-Rozenfelde Ingrīda

Vitamin D and Total IgE in Childhood Bronchial Asthma
in Latvian Population

Tapiņa Sandra, Paramonova Natalia, Trapiņa Ilva, Pļaviņa Samanta, Leonova Elīna, Rumba-Rozenfelde Ingrīda, Sjakste Nikolajs

Association Between Maternal Antibacterial Treatment
and Infant Gut Microbiota: Preliminary Data of a Study
About Infant Gut Microbiota

Zaharova Margarita, Zelča Egija, Lūse Ērika,
Peterleviča Jana, Frīdmanis Dāvids, Gudrā Dita,
Rumba-Rozenfelde Ingrīda, Daugule Ilva



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Pharmacy

Friday, 25 March 2022,
11:00-13:00 EET, Riga time

Session chairs: Una Riekstiņa, Baiba Jansone

11:00 New pharmacological avenues to treat Alzheimer's disease

Pahnke Jens
University of Oslo, Norway

11:20 Oral presentations

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

Antioxidant Fatty Acids of Peganum Harmala

Nasibova Tohfa, Garaev Eldar, Zeynalova Gulnar, Gafarova Dostu, Huseynova Nazila, Ismayilova Shahnaz

Comparative Analysis of Quantitative and Qualitative Composition of Phenolic Compounds and Antioxidant Activity Between Different Genotypes of Vaccinium Vitis-Idaea L.

Akelan Lijana, Raudonė Lina

Variation of Antioxidant Activity and Total Proanthocyanidins Content in Calluna Vulgaris from Wild Cenopopulations

Kaunaitė Vytautė, Raudonė Lina

Patterns of Direct Oral Anticoagulant Prescriptions in Latvia: A Retrospective Analysis of Electronic Records

Gavrilova Anna, Latkovskis Gustavs, Urtāne Inga

Physiologically Based Metformin Pharmacokinetics Model of Mice and Scale-up to Humans for the Estimation of Concentrations in Various Tissues

Kurlovics Janis, Zake Darta Maija, Zaharenko Linda, Komasilovs Vitalijs, Klovins Janis, Stalidzans Egils

Proximity Ligation for in Vitro Aptamer Target Protein Identification

Pleiko Karlis, Tambet Teesalu, Una Riekstiņa

Site-Specific Contrast Media Side Effects

Sauer Natalia, Karłowicz-Bodalska Katarzyna

Long-Term Activity Assessment in the Voluntary Running Wheel in Mice Model of Ischemic Stroke

Ābola Agate, Dzirkale Zane, Jeļisejevs Ilja, Upīte Jolanta, Jansone Baiba

The Effect of St. John's Wort (Hypericum Perforatum L) on Catalase Activity in Mouse Organs

Tamkevičius Mantas, Liekis Arunas, Kubiliene Asta, Sadauskiene Ilona

Protective Effect of Zinc Against Nickel Induced Adverse Effects in Brain of Mice

Šulinskienė Jurgita, Bernotienė Rasa, Naginienė Rima



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Paediatrics E-POSTERS

Friday, 25 March 2022,
13:30-14:15 EET, Riga time

Session chair: Ilva Daugule

13:30 E-poster presentations

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

The Impact of the Covid-19 Pandemic on Children with Acute Appendicitis

Vansevičienė Idilė, Bučinskaitė Danielė, Malcius Dalius, Lukošiuūtė-Urbonienė Aušra, Beržanskis Mindaugas, Čekanauskas Emilis, Barauskas Vidmantas

Dynamic Diversity of Gut Microbiota During Infancy: A Pilot Study of Analysis of Infant Microbiota During the First Year of Life

Zelča Egija, Lūse Ērika, Peterleviča Jana, Zariņa Dana, Frīdmanis Dāvids, Gudrā Dita, Rumba-Rozenfelde Ingrīda, Daugule Ilva

Exploration of the Prevalence of Food Intolerance Mediated by Food-Specific IgG Antibodies in Pediatric Asthma in the Latvian Population

Bebre-Putka Valda, Paramonova Natalia, Trapiņa Ilva, Pļaviņa Samanta, Ļeonova Elīna, Rumba-Rozenfelde Ingrīda, Sjakste Nikolajs

Respiratory Tract Infections in Children with Tracheostomy

Purviņa Una, Aleksejeva Elīna

Differences in Children's and Parents' Perspectives on Children's Mental Health During COVID-19

Milašiūtė Emilija, Leskauskas Darius, Bakutytė Martyna, Jocys Vilius

Congenital Anomalies at Births and Associated Antenatal Care Factors

Zile-Velika Irisa, Ebela Inguna, Rumba-Rozenfelde Ingrida



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International Scientific Conference on Medicine

Anaesthesiology, Reanimatology & Intensive Care

Friday, 25 March 2022,
13:30-15:30 EET, Riga time

Session chair: Aleksejs Miščuks

13:30 Oral presentations

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

Changes of Regional Cerebral Oxygen Saturation Using
Near Infrared Spectroscopy During Carotid Endarterectomy

Česnokovs Aleksejs, Stepanovs Jevgēnijs,
Stengrevica Natalja, Ročāns Rihards Pēteris,
Ozoliņa Agnese

Preanesthetic Vagotonia as a Potential Risk Factor for Sinus
Bradycardia and Arterial Hypotension During Induction of
General Anaesthesia with Propofol and Fentanyl and After
Endotracheal Intubation

Feghiu Iuliana, Tāzlāvan Tatiana

Survey of the Choice of General Anaesthetic Agents in Latvia

Birkhans Kaspars, Kazūne Sigita

Causes of Suboptimal Preoxygenation before Tracheal
Intubation in Elective and Emergency Abdominal Surgery

Kalinauskaitē Miglė, Kauzonas Evaldas, Miškinytė
Sigutė, **Bubulytė Silvija**, Kontrimavičiūtė Eglė

Cerebral Oximetry in Patients Undergoing Shoulder
Replacement Surgery

Mackevičs Dāvis, Golubovska Iveta, Radziņš
Mārcis, Vugulis Aigars, Zande Sabīne, Miščuks
Aleksejs

Comparison Between Obesity and Oxygen Reserve Index in
Patients Undergoing Shoulder Replacement Surgery in
Beach Chair Position

Mackevičs Dāvis, Golubovska Iveta, Radziņš
Mārcis, Vugulis Aigars, Zande Sabīne, Miščuks
Aleksejs

Factors Associated With Functional Outcomes in Status
Epilepticus Patients

Kropaitytė Monika, Balčiūnienė Neringa

Analgesia Nociception Index Effectiveness for Acute Pain
Detection in Arthroscopic Shoulder Surgery

Zande Sabine, Golubovska Iveta, Miscuks
Aleksejs, Bogdanovs Arturs, Radzins Marcis,
Mackevics Davis

Near-Infrared Spectroscopy as a Predictor of Cerebral
Deterioration: Case Series of 11 Patients with Aneurysmal
Subarachnoid Haemorrhage

Buce-Satoba Ieva, Rozkalne Daina, Mamaja
Biruta, Krumina Gaida, Ozolina Agnese

The Effectiveness of Modified Multimodal Analgesia
Protocol in Total Knee Replacement

Lebedeva Veronika, Ivančika Andriana,
Golubovska Iveta, Miscuks Aleksejs

E-poster presentations

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

Risk for Sinus Tachycardia and Ectopic Heart
Arrhythmias After Endotracheal Intubation Following
Induction of General Anesthesia With Thiopental and
Fentanyl

Feghiu Iuliana, Tăzlăvan Tatiana, Șandru
Serghei

Prognostic Model or Patient Return Visits to the
Emergency Department Within 30 Days with
Hospitalisation

Bilotienė Motiejūnienė Aušra, Grušnytė Kamilė,
Bilotaitė Laura, Bubulytė Silvija, Klimašauskas
Andrius, Kontrimavičiūtė Eglė, Jasiūnas Eugenijus



80th International Scientific
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International Scientific Conference on Medicine

Infectious Diseases & Pulmonology

Friday, 25 March 2022,
13:30-15:35 EET, Riga time

Session chairs: Ieva Tolmane, Alvilis Krams

13:30 Oral presentations

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

Rhinosinusitis and its Impact on Bronchial Reactivity in Allergic and Non-Allergic Adults	Ievina Marta , Strazda Gunta, Mukans Maksims, Immanuel Taivans
Airwave Oscillometry for Monitoring of Covid-19 Pneumonia	Grima Laura , Jurka Normunds, Strazda Gunta, Taivans Immanuel
Evaluation of Remdesivir Effectiveness in COVID-19 Patients in Latvian Centre of Infectious Diseases: Real Life Data	Mjasnikovs Dmitrijs , Tolmane Ieva, Orlova Marija, Ivancenko Ludmila, Rozentale Baiba
The Profile of Hospitalized COVID-19 Patients	Mjasnikovs Dmitrijs , Tolmane Ieva, Orlova Marija, Ivancenko Ludmila, Rozentale Baiba
Impact of Type II Diabetes on the Mortality Rate in Patients with COVID-19 – A Retrospective Study	Gorgadze Gigi , Khachiashvili Gvantsa, Gordeladze Marine, Gabunia Luiza, Jikia Nikoloz, Jorbenadze Mariam, Khmaladze Tamar
Methicillin Resistance in Staphylococcus Aureus Among Vilnius University Medical Students	Sinkevič Rafal, Vosyliūtė Rūta , Kirkliauskienė Agnė
Importance of Clinical Pharmacogenetic-Pharmacokinetic Studies in Unraveling the Determinants of Tuberculosis Treatment Outcomes: Findings and Implications in Latvia	Igumnova Viktorija , Kivrāne Agnija, Vīksna Anda, Freimane Lauma, Sadovska Darja, Čaplīgina Valentīna, Pahirko Leonora, Ozere Iveta, Norvaiša Inga, Bogdanova Ineta, Krams Alvilis, Cīrule Andra, Pugovičs Osvalds, Grīnberga Solveiga, Sevostjanovs Eduards, Bandere Dace, Ranka Renāte
Assessment of Complete Blood Count-Derived Marker Association With Pulmonary Tuberculosis Severity and Treatment Response	Kivrane Agnija , Igumnova Viktorija, Vīksna Anda, Simanovica Ilze, Ozere Iveta, Pole Ilva, Bandere Dace, Ranka Renate

E-poster presentations

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

Intrahospital Mortality in Sepsis and Septic Shock Patients in Latvia – The Comparison of Outcomes for Explicit and Implicit Case Definitions in Nationwide Administrative Health Data	Pučeta Laura , Luguzis Artis, Bārzdiņš Juris, Dumpis Uga
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Prevalence of Methicillin Resistant Staphylococcus Epidermidis in Healthy Volunteers and in Hospitalized Patients

Warren Keelan, Zandersone Baiba, Tračevska Tatjana

Forecast Model of Appraisal of the Severity of the Disease Course in PCR Positive Pneumonia Cases in Young and Elderly Patients

Nurgaliyeva Bayan, Kapustina Victoria

Prognosis Model of Mortality in PCR-positive COVID Pneumonia

Nurgaliyeva Bayan, Suraganov Yerden

Mitochondrial DNA Variations and K Haplogroup Frequencies Differs Between TB Patients and Healthy Controls

Freimane Lauma, Igumnova Viktorija, Sadovska Darja, Kivrāne Agnija, Ķimsis Jānis, Barkāne Linda, Ranka Renāte

Comparing Management of Acute Complicated and Uncomplicated Left-Sided Colonic Diverticulitis

Levensteina Evija, Erts Renars, Liepins Maris

Correlation of Potential Biomarkers with Covid-19 Virus Infection Outcome

Zikovs Rems, Aleksejeva Marija, Ūdre Sintija, Svareniece Elizabete, Ozoliņa Agnese, Liguts Viesturs, Šuba Oļegs, Saba Ingrīda, Koļesņikova Tatjana



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International Scientific Conference on Medicine

Internal Medicine

Friday, 25 March 2022,
13:30-15:30 EET, Riga time

Session chair: Inese Folkmane

13:30 Oral presentations

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

Role of the Extended-Release Metformin on Host miRNA Composition in the Feces of Patients with Type 2 Diabetes

Celmiņa Paula Rūta, Silamiķele Laila, Kloviņš Jānis

DNA Methylation Profile of PSMA6, PSMB5 and HIF1A Gene in Patients with Type 1 Diabetes and Diabetic Retinopathy

Pļaviņa Samanta, Paramonova Natalia, Pahirko Leonora, Siliņš Emīls, Baumane Kristīne, Zariņa Līga, Rovīte Vita, Sokolovska Jeļizaveta

Role of Rheumatoid Factor in Patients with Systemic Sclerosis and Extra-Articular Manifestations

Rubins Pauls, Mikena Santa, Bulina Inita, Zepa Julija, Andersone Daina, Ivanova Kristine

Pigmentation During Pregnancy and the Postpartum Period

Rubins Silvestrs, **Šaripova Sabīne**

Diagnosis of Abnormally Invasive Placenta by Magnetic Resonance and Correlation with Operative Findings

Lopatina Anna, Miklaseviča Ilze, Liepa Māra

Potential Prognostic Factors for Efficient Treatment of Missed Abortion with Prostaglandin E1 Analogue

Sedleniece Elīna, Šibalova Anna, Ivanova Laura, Babuškins Antons, Jansone Maira

Morphological Features of Local Immune Reactions in Placentas in Women Who Had COVID-19 Disease in Early Gestation

Myroshnychenko Mykhailo, Gaponova Ludmila, Kapustnyk Nataliia, Gaponova Elina, Borzenkova Iryna, Pavlova Olena, Myroshnychenko Serhii

Prevalence and Causes of Drug Hypersensitivity Reactions Among Inpatients and Outdoor Department Patients at Pauls Stradiņš Clinical University Hospital

Lapiņa Lāsma, Možeitoviča Evelīna, Ciekure Līga, Mauliņš Egīls, Kurjāne Natalja

E-poster presentations

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

Evaluation of the Vaginal HPV Self-Sampling Test in the Clinic of General Practitioner in Riga

Dombrovska Anastasija, Zodzika Jana, Fjodorova Natalija

Predictor Factors of Functional Status in Patients with Systemic Sclerosis

Budreviča Olga, Možeitoviča Evelīna, Žukovs Daniils, Ķēniņa Viktorija, Kurjāne Natalja, Ivanova Kristīne

Dulaglutide and Semaglutide Effect on Weight and Glycemia After Sixteen Months

Treimane Terēze, Zariņa Rebeka Elīza, Trapiņa Ilva, Sauša Sintija

Familial Hypercholesterinemia – a New Challenge for Endocrinologists

Jenbajeva Ksenija, Anufrijeva Alina, Rasa Ingvars

Comparison of the Efficacy of Different Forms of Vitamin D3 Supplements

Aleksejeva Marija, Sauša Sintija, Pīrāgs Valdis

Atopic and Autoimmune Manifestations in Patients with Selective IgA Deficiency in Latvia

Lucane Zane, Prokofjeva Tatjana, Ozola Lota, Kurjane Natalja

Cutaneous Manifestations Related to COVID-19 in Young South Asian Males

Ahmed Nikhat Kousar, Perera Manodhiya Hansini, Korrapati Naga Harika, Joseph Iris Clement, Kiladze Natalia



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International Scientific Conference on Medicine

Ophthalmology

Friday, 25 March 2022,
13:30-15:30 EET, Riga time

Session chairs: Kristīne Baumane, Igors Solomatins

13:30 Oral presentations

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

Structural and Pathophysiological Changes of the Optic Nerve in Patients with Primary Open-Angle Glaucoma After Traditional Trabeculectomy Surgery

Briede Elīza, Baumane Kristīne

Correlation Between Central Macular Thickness and Best Corrected Visual Acuity Outcome After Idiopathic Epiretinal Membrane Surgery

Muhina Olga, Ali Ilgars, Vanags Juris, Laganovska Guna

Best Corrected Visual Acuity Outcome One Month Following Pars Plana Vitrectomy in Full-Thickness Macular Hole Cases. Correlation Between Visual Outcome, Macular Hole Height and Residual Subretinal or Intraretinal Fluid

Ali Ilgars, Muhina Olga, Vanags Juris, Laganovska Guna

Effectiveness of Antivascular Endothelial Growth Factor Therapy in Reducing Macular Edema in Various Retinal Pathologies

Kosnarevičs Jurijs, Briede Elīza, Baumane Kristīne

Vascular Density Changes in Deep Capillary Plexus After Cataract Surgery Among Type 2 Diabetes Mellitus Patients Using Optical Coherence Tomography Angiography

Svjaščenkova Leide, Laganovska Guna, Tzivian Lilian

Evaluation of Ocular Microvascular Changes in Patients with Type 2 Diabetes Mellitus Using Optical Coherence Tomography Angiography

Agiseva Kristina, Peterfelde Beate, Baumane Kristīne

EEG Signals During the Perception of Physical and Simulated 3D Images

Naderi Mehrdad, Pladere Tatjana, Zabels Roberts, Krumina Gunta

E-poster presentations

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

Trends in the Prevalence of Myopia in Lithuania

Statkevičienė Karina, Karpavičiūtė Vita, Simonavičiūtė Dovilė

Confocal Biomicroscopic Findings in Corneal Subbasal Nerve Plexus in Case of Different Stages of Primary Open-Angle Glaucoma

Agiseva Kristīna, **Leščenko Svetlana**, Briede Elīza, Baumane Kristīne

Effect of Mydriasis on Intraocular Lens Calculations

Kozlovskā Ingrida, Baumane Kristīne

Ocular Trauma Score Predicted Visual Outcome and Comparison to Final Visual Outcome

Nīmane Dārta, Grava Laura, Baumane Kristīne

Is Vision Screening Important for School-Age Children?

Slabcova Jeļena, Švede Aiga, Kassaliete Evita, Krūmiņa Gunta

Corneal Biomechanical Parameters for Keratoconus Patients

Jansone-Langina Zane, Miķelsone Rita, Gertnere Jana, Trukša Renārs, Solomatins Igors



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Public Health and Epidemiology

Friday, 25 March 2022,
13:30-15:00 EET, Riga time

Session chairs: Signe Mežinska, Juris Bārzdīņš

13:30 Oral presentations

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

Application of Informed Consent Waiver for the Involvement of Persons With Limited Capacity in Clinical Research

Olsena Solvita, Loseviča Marina

Legal Nature of Agreements in Health Care

Kadile Laura

Adaptive Learning Scale: A Comparison Between Latvian and Foreign Students of the Faculty of Medicine, University of Latvia

Maļceva Danija, Brikovska Baiba, Rozmane Zanda, Knipše Gundega, Krūmiņa Džanna, Tzivian Lilian

Liver Cancer Incidence in Kazakhstan: Component Analysis

Baibusunova Aida, Orazbaev Didar, Kozhakhmetov Saken, Igissinov Nurbek

Smoking in Population with Lower Education and Manual Workers – One of the Main Challenges for Public Health in Latvia

Apinis Peteris, Bajare Iveta, Dzerve Vilnis, Jegere Sanda, Erglis Andrejs

Association Between High Blood Pressure, Low-Density Lipoprotein Cholesterol Level and Compliance with Prescribed Treatment

Maurina Inese, Tzivian Lilian, Dzerve-Taluts Vilnis, Bajare Iveta, Jegere Sanda, Erglis Andrejs

Evaluation of the Patients' Habits, Adherence to Vitamin D Substitution and Frequency of Biochemical Testing in General Practice

Voiskoviča Anna, Ilze Skuja

Patient Awareness of Influenza Vaccination in GP Practices During COVID-19 Pandemic Year 2021/2022

Černobajeva Ludmila, Ūdre Marta, Mitule Baiba

Pregnancy-Related Sickness Absence and the Cost of Lost Productivity in Poland

Genowska Agnieszka, Strukcinskaite Vaiva, Strukcinskiene Birute



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Public Health and Epidemiology POSTER PRESENTATIONS

Friday, 25 March 2022,
15:30-16:30 EET, Riga time

Session chairs: Juris Bārzdīņš, Ingrīda Kužniece

15:30 E-poster presentations

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

Changes in the Prevalence of Inflammatory Bowel Disease in Lithuania During 2001-2020

Karpavičiūtė Vita, Statkevičienė Karina, Kiudelis Gediminas

Analysis of Gastric Cancer Incidence in Uzbekistan

Djanklich Sayde, Tillyashaykhov Mirzagaleb, Ibragimov Shavkat, Imamov Olimjon, Berkinov Alisher, Sabirdjanova Zulfiya

Prevalence of Candidatus Neohhrlichia mikurensis in Ticks Collected from Migratory Birds in Pape

Birnbauma Alise, Freimane Lauma, Čapligina Valentīna, Seleznova Maija, Sadovska Darja, Keišs Oskars, Ranka Renāte

Trends in Mortality from Colorectal Cancer in Kazakhstan: Age-Specific Features

Axarin Askhat, Mauyenova Dana, Telmanova Zhansaya¹, Kudaibergenova Indira, Igissinov Nurbek

Changes in Indicators of Colorectal Cancer in Kazakhstan

Telmanova Zhansaya, Axarin Askhat, Kozhakhmetov Saken, Kudaibergenova Indira, Igissinov Nurbek

On the Incidence of Chronic Diseases of Tonsils and Adenoids in Kazakhstan

Imangaliyev Yermek, Telmanova Zhansaya, Igissinov Nurbek

Analysis of Antioxidative System Markers Changes Under the Influence of High Physical Load

Pļaviņa Liana, Kolesova Oksana

Motivation Differences Between 1st Year Latvian and Foreign Medical Students in the Faculty of Medicine, University of Latvia

Baltāne Zane, Grunte Laima-Anete, Knipše Gundega, Krūmiņa Džanna, Tzivian Lilian

Epidemiology of Cervical Cancer in Uzbekistan

Djanklich Sayde, Zakhirova Nargiza, Tillyashaykhov Mirzagaleb, Ibragimov Shavkat, Imamov Olim, Berkinov Alisher, Sabirdjanova Zulfiya

The Influence of Warm-Up Procedures on Performance in Vertical Jumps and Sport Exercises

Volkenandt John, Proskurins Jevgenijs

Quality of Life Assessment in Aesthetic Dermatology Patients

Bērziņa Anna, Šaripova Sabīne

Coverage of the Article No 18 of the Latvian Law on the Rights of Patients

Osis Martins



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Gastroenterology, nutrition, gastrointestinal oncology and microbiota

Friday, 25 March 2022,
15:45-17:30 EET, Riga time

Session chair: Aldis Puķītis

15:45 Oral presentations

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

The Impact of the Nordic Diet on Fatigue in Mild and Moderate Ulcerative Colitis Patients

Girgensone Ginta, Birka Ilze, Anspuka Līva, Šantare Daiga

Gastrointestinal Symptoms and its Association with Metabolic Compensation, Duration of Diabetes and Faecal Calprotectin in Patients with Type I Diabetes Mellitus, Preliminary Data

Būmane Renāte, Ivanova Santa, Senķāne Silva, Fedulovs Aleksejs, Zaļizko Poļina, Sokolovska Jeļizaveta

Gastrointestinal Symptoms and Faecal Calprotectin Level in Patients with Type 1 Diabetes and Diabetic Kidney Disease

Fedulovs Aleksejs, Tzivian Lilian, Puzirevska Irēna, Folkmane Inese, Zaļizko Poļina, Sokolovska Jeļizaveta

Current Smoking Associated with Precancerous Gastric Lesions "Missed" by Serologic Pepsinogen Testing

Razuka-Ebela Danute, Polaka Inese, Parshutin Sergei, Ebela Inguna, Daugule Ilva, Santare Daiga, Sjomina Olga, Herrero Rolando, Park Jin Young, Leja Marcis

16:25 E-poster presentations

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

Correlation Between the Host Gut-Related miRNAs and Gut Microbiome Composition in Patients Undergoing Colonoscopy Procedure

Celmiņa Paula Rūta, Silamiķele Laila, Zukule Nanija Lība, Vilkoite Ilona, Silamiķelis Ivars, Kloviņš Jānis

Evaluation of Intestinal Ultrasonography Protocol in Patients with Inflammatory Bowel Diseases; One Centre Experience

Suhorukova Jekaterina, Mokricka Viktorija, Pukītis Aldis

Initial Results of Electronic Nose for Colorectal Cancer Specific Breath Detection

Mezmale Linda, Polaka Inese, Anarkulova Linda, Lescinska Anna Marija, Pcolkins Andrejs, Mizaikoff Boris, Mitrovics Jan, Shani Gidi, Haick Hossam, Leja Marcis

Clostridium Difficile and Cytomegalovirus Infections in Immunocompromised Patients

Karpavičiūtė Vita, Kiudelis Gediminas

Effectiveness of Neoadjuvant Chemotherapy in Gastric Cancer Patients at Pauls Stradiņš Clinical University Hospital in 2017-2020 Years

Bloha Milāna, Anarkulova Linda, Hasnere Sigita, Kota Jekaterina

Outcomes of the Colon Cancer Prevention and Early Diagnosis Program at the Hospital of Lithuanian University of Health Sciences Kaunas Clinics Family Medicine Clinic

Minelgaitė Rūta, Čekanauskaitė Paulina, Minelgienė Rūta, Jonikaitė Laura, Mačiukaitienė Jomantė

The Use of Shotgun Metagenomic Sequencing for Detection of H. Pylori Pre- and Post-Eradication: Bioinformatics Feasibility Assessment

Vangravs Reinis, Čivkulis Kristaps, Ļeonova Elīna, Dauss Edgars, Poļaka Inese, Sjomina Olga, Leja Mārcis

Evaluation of Dietary Habits of Jekabpils Inhabitants: Adherence to Nordic Diet and Association With Helicobacter Pylori Infection

Jurkevica Ineta, Daugule Ilva, Kojalo Ilona, Polaka Inese, Parsutins Sergejs, Leja Marcis, Santare Daiga

Addition of Saccharomyces Boulardii to Standard Triple Therapy in Eradication of H. pylori: Comparison of Adverse Events and Effectiveness

Sjomina Olga, Suhorukova Jekaterina, Rūdule Aiga, Vangravs Reinis, Paršutins Sergejs, Poļaka Inese, Daugule Ilva, Stonāns Ilmārs, Park Jin Young, Leja Mārcis



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Surgery, Traumatology & Orthopaedics

Friday, 25 March 2022,

16:00-17:30 EET, Riga time

Session chairs: Patrīcija Ivanova, Sergejs Zadorožnijs

16:00 Oral presentations

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

Comparison of Functional and Radiological Results
Between Total Shoulder Arthroplasty with Global
Icon and Global Unite Implants

Vugulis Rihards, Zadorožnijs Sergejs, Vugulis Aigars

Hip Shape Abnormalities Leading to Osteoarthritis

Džeriņš Andris, Studers Pēteris

Hip Joint Periprosthetic Infection Treatment with
Temporary Cemented Endoprosthesis- 10 Year
Single Institution Experience

Repša Lauris

Digital Planning Method Efficiency in Total
Cementable Hip Arthroplasty

Rozenbergs Krišs, Vecumniece Lauma, Anastasija
Miščurina, Kalnbērzs Konstantīns

Evaluation of Tumor Extent Based on Upper
Endoscopy, Computer Tomography and
Pathohistological Results in Patients with Operable
Gastric Cancer

Flaksmanis Artūrs, Ivanovs Igors, Belusa Anastasija

E-poster presentations

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

Effectiveness of the Protease Inhibitor Ulinastatin
in Patients with a Tendency to Destructive
Pancreatitis

Akyshev Olzhas, Rustemova Kulsara, Kozhakhmetov
Saken, Chekaev Rinat, Nurtazina Gaukhar,
Zalgassbayev Zomart

Treatment of Patients with Multiple Complicated
Fractures of the Ribs in Combined Injury

Chekaev Rinat, Dzharkееv Kairat, Rustemova Kulsara,
Kozhakhmetov Saken, Akyshev Olzhas, Aliev Mazhit

Modern Approach to the Treatment of Abdominal
Sepsis

Absatirova Venera, Baibusunova Aida, Rustemova
Kulsara, Kozhakhmetov Saken, Saparbayev Samat



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Oncology

Friday, 25 March 2022,
16:00-18:00 EET, Riga time

Session chairs: Alinta Hegmane, Sergejs Isajevs

16:00 Oral presentations

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

The Role of Exosomal Proteins CD9, CD63 and DNA Mismatch Repair Proteins in Prostate Adenocarcinoma

Folkmanis Kristofs, Junk Elizabete, Merdane Evelina, Eglitis Janis, Folkmane Inese, Folkmanis Valdis, Jakubovskis Maris, Ivanovs Igors, Isajevs Sergejs, Addali Mustapha, Lietuvietis Vilnis

Thyroid Carcinoma (Part I): The Diagnostic Value and Management. One Single-Centre Retrospective Study 2019–2021

Pokšāne Diāna, Fokins Vladimirs, Rasa Ingvars

Impact of the Covid 19 Pandemic on the Proportion of Breast Cancer Admitted

Halturina Marija, Hasnere Sigita

Effects of Urinary Extracellular Vesicles from Prostate Cancer Patients on the Transcriptomes of Cancer-Associated and Normal Fibroblasts

Keiša Laura, Sadovska Lilite, Zayakin Pavel, Bajo-Santos Cristina, Auders Jānis, Jansons Juris, Lietuvietis Vilnis, Linē Aija

Effects of Exercise-Induced Extracellular Vesicles on the Progression of Cancer

Auders Jānis, Sadovska Lilite, Zayakin Pavel, Keiša Laura, Kalniņa Zane, Linē Aija

Therapy Outcome Depending of Clinical Features of Multiple Myeloma Patients in Pauls Stradiņš Clinical University Hospital From 2019 to 2020

Keiša Laura, Bernāte Kristīne, Auders Jānis

FGD-PET/CT Use for Lymphoma Patients in Pauls Stradiņš Clinical University Hospital Cancer Clinic in 2018-2021

Miščurina Anastasija, Vecumniece Lauma, Rozenbergs Krišs, Purviņa Velta, Ūdre Sintija, Pavlova Jeļizaveta, Hasnere Sigita

The Distribution Pattern of Barcelona Clinic Liver Cancer Classification Stages in Hepatocellular Carcinoma Patients Treated with Transarterial Chemoembolization

Šmidberga Beatrise, Kratovska Aina, Zdanovskis Nauris, Zaiceva Veronika, Mundeciems Andrejs, Ivanova Patrīcija, Ponomarjova Sanita

Breast Cancer in Women at the Oncology Centre of Latvia in 2020

Tiltiņa Leļde, Enģele Ilze

Comparative Study of NRAS and BRAF Mutation Status With Clinical and Histopathological Characteristics of Melanoma

Zablocka Tatjana, Kreismane Madara, Pjanova Dace, Isajevs Sergejs



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Neurology and Oncology E-POSTER PRESENTATIONS

Saturday, 26 March 2022,
10:00-11:00 EET, Riga time

Session chairs: Normunds Sūna, Viktors Kozirovskis

10:00 E-poster presentations

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

Ketogenic Diet for Epilepsy Treatment – what Predicts
Higher Ketosis and Better Seizure Control

Apela Dana, Grīnvalde Santa, Strautmanis Jurgis

Encephalopathy in COVID-19 Patients Clinical Nature and
Association with Biochemical Markers, Disease Severity
and Outcome

Khachiashvili Gvantsa, Koniashvili Otar, Daraselia
Dimitri, Muzashvili Giorgi, Gabunia Luiza,
Ghambashidze Ketevan

Characteristic EEG Patterns of Anoxic Brain Injury After
Cardiac Arrest and Prognostic Significance of EEG
Reactivity

Koniashvili Otar, Rukhadze Ia, Muzashvili Giorgi,
Khachiashvili Gvantsa, Gabunia Luiza

Efficacy of Erenumab in Patients with Episodic and Chronic
Migraine

Karpavičiūtė Vita, **Statkevičienė Karina**, Žemgulytė
Gintarė

The Value of Contrast-Enhanced Mammography on
Evaluation of Breast Invasive Carcinoma Size Compared
with Histopathological Assessment

Sulca Liga, Engele Ilze, Zablocka Tatjana, Isajevs
Sergejs

Microcell Functional Activity Differences Based on the TEM

Simsons Zane, Freivalds Talivaldis, Harju Līga,
Groma Valērija, Buiķis Indulis

The Most Common Localizations of Pancreatic Cancer
Metastases in Patients of Pauls Stradiņš Oncology Clinic
During 2018–2020

Kota Jekaterina, Bloha Milāna, Hasnere Sigita

Characteristics of Patients with Brain Tumour During
2018–2020 in Pauls Stradiņš Clinical University Hospital

Vāla Luīze, Mihaļkova Anna, Hasnere Sigita

Treatment Outcomes of Liver Stereotactic Body Radiation
Therapy for Colorectal Cancer Liver Metastases

Trofimovica-Krasnorucka Anastasija, Maksimova
Santa, Frolova Julija



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Basic Medical Science E-POSTER PRESENTATIONS

Saturday, 26 March 2022,
12:00-13:30 EET, Riga time

Session chairs: Agate Galuza, Elīna Ļeonoņa

12:00 E-poster presentations

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

Effects of Catechin on the Electroporation of Pancreatic Cancer Cells	Szlasa Wojciech , Michel Olga
Liver Mitochondria Functionality Changes After Acute Mesenteric Ischemia	Bahire Ksenija Lūcija , Makrečka-Kūka Marina, Volrāts Olafs, Jansone Baiba
Development of Human Dermal Vasculature and Epidermis Morphogenesis	Markovs Jurijs, Knipše Gundega, Galuzā Agate , Krūmiņa Džanna, Krūmiņa Beata
Genetic Inactivation of Sigma-1 Receptor Induces White Adipocyte Hypertrophy and Changes in Lipid and Energy Metabolism in Mice	Miteniece Anna, Stelfa Gundega, Svalbe Baiba, Vavers Edijs, Makrečka-Kūka Marina, Dambrova Maija, Zvejniece Līga
Validation of Antibodies for the Complement System in a Schizophrenia Mouse Model Using a Western Blot Method	Rožkalne Rebeka , Jaako Külli, Jansone Baiba
Morphofunctional Characteristics of Hematopoietic Progenitor Cells of Human Bone Marrow in a Humanized in Vivo Model	Pakharenko Marharyta , Bilko Denis, Lahodniuk Ihor
Histological Evaluation of Jejunal Wall Changes In Vivo Model After Ligation of Mesenteric Artery and Vein	Volrats Olafs , Jansone Baiba, Bancevica Lilija, Melderis Ivars, Makrečka-Kūka Marina, Poppela Elga
Effect of Selenium Supplementation on Selenium Concentrations and Lipid Peroxidation in Mice Liver and Blood	Ruzgaitē Aušrinē , Sadauskienē Ilona, Liekis Arūnas, Baranauskienē Dalē, Šimākusienē Vaida, Naginienē Rima
Role of Copper and Iron Storage Diseases Associated Genetic Variants in Coxarthrosis Development and Their Influence on the Disease Features	Budreviča Olga , Džeriņš Andris, Isakovs Aleksejs, Studers Pēteris, Gailīte Linda
RNA Composition of Exosomes from Urine of Bladder Cancer Patients	Fortūna Ksenija
Assessment of Mesenchymal Progenitor Cells of Mice Bone Marrow Under Ionizing Radiation Influence in Cell Culture in Vitro	Russu Iryna , Bilko Nadiia
The Influence of Long-Term Supplementation with Aluminum or Selenium Ions on Antioxidant Enzymes Activities in Mouse Organs	Sadauskiene Ilona , Liekis Arunas, Staneviciene Inga, Naginiene Rima

Selenium Influences Homeostasis of Trace Elements in Mice
Brain and Blood

Stanevičienė Inga, Sadauskienė Ilona, Liekis
Arūnas, Baranauskienė Dalė, Šimakauskienė
Vaida, Naginienė Rima

Effect of Bio-Elements on the Maintenance of Sodium and
Potassium Ion Homeostasis in a Model of Isolated Porcine
Kidneys Stored in Modified Preserving Solution for Organ
Transplantation

Ostróżka-Ciešlik Aneta, Dolińska Barbara,
Ryszka Florian



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Pharmacy E-POSTER PRESENTATIONS

Saturday, 26 March 2022,
12:00-13:30 EET, Riga time

Session chairs: Jana Namniece, Vladimirs Piļipenko

12:00 E-poster presentations

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

A Focus on a Beam Walking Test to Study Motor Impairments
in a Mouse Model of Stroke

Brinuma Undine, Dzirkale Zane, Jelisejevs
Ilja, Upite Jolanta, Jansone Baiba

Assessment of Motor Function in Ischemic Stroke Mice Model
Using Rotarod and Kondziela's Inverted Screen Tests

Islamgarajeva Evita, Jelisejevs Ilja, Upīte
Jolanta, Rožkalne Rebeka, Piļipenko Vladimirs,
Jansone Baiba

Polyphenols as Protease Inhibitors: Focus on Angiotensin
Converting Enzymes 1 and 2, Plasma Kallikrein and Neutrophil
Elastase Activity in Vitro

Namniece Jana, Rembergs Reinis, Jēkabsons
Kaspars, Birzniece Zane, Kaļķe Kitija,
Vavutkina Kristīne Laura, Muceniece Ruta

An Analysis of Antibiotic Use in the Paediatric Hospital in Latvia

Sviestiņa Inese

Anti-Inflammatory, Free Radical Scavenging, and Reducing
Activities of *Malus × domestica* Borkh. Apples Extracts

Butkevičiūtē Aurita, Petrikaitē Vilma,
Liaudanskas Mindaugas, Janulis Valdimaras

Bioactive Constituents in *Vaccinium vitis-idaea* L. leaves
Geographical Variation Throughout Lithuania and Associations
With External Factors

Vilkickyte Gabriele, Raudone Lina

Phytogenotypic Flavonols Profiles and Antioxidant Activity
Variation in Fruit Samples of the American Cranberry

Urbštaitē Rima, Janulis Valdimaras

Evaluation of Properties of Chewable Gel Tablets with Nutmeg
Essential Oil

Matulytė Inga, Bernatoniene Jurga

The Influence of Vinylpyrrolidone-Vinyl Acetate Copolymer in
Extraction on Isoflavones Aglycones Yield from *Trifolium*
pratense L. Flowers

Kazlauskaitė Jurga Andreja, Jurga
Bernatoniene

Effect of Broccoli (*Brassica Oleracea* Var. *L. Italica*) Sprout
Extract on the Leak State Respiration Rate of Rat Heart and
Liver Mitochondria

Kuršvietienė Lolita, Svaldenyte Laurita,
Bernatoniene Jurga, Kopustinskienė Dalia
Marija

Identification of Flavanones in *Citrus Xparadisi*.L Fresh Fruit
Parts Using Different Extraction Methods

Stabrauskienė Jolita, Bernatoniene Jurga,
Marksa Mindaugas

The Morphofunctional State of Cerebral Hemispheres Neuropil
in Rats with Scopolamine-Induced Dementia of Alzheimer's
Type After Mesenchymal Stem Cells Intravenous Injections

Lukyanova Yevgeniya, Pavlova Olena,
Gubina-Vakulyck Galina



80th International Scientific
Conference of the
University of Latvia 2022

International Scientific Conference on Medicine

Nursing

Saturday, 26 March 2022,
14:15-15:00 EET, Riga time

Session chairs: Ina Mežiņa-Mamajeva, Igors Ivanovs

14:15 Oral presentations

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

The Most Common Factors Motivating the Work of Anesthesia and Intensive Care Nurses

Tkačenko Ilona, Mikaliūkštienė Aldona

Evaluation of Nursing Students' Opinion on the Organization of Nursing Practical Training in Healthcare Institutions

Kersyte Ieva, Mikaliūkštienė Aldona

Effect of Coronavirus Disease on Changes in Body Mass

Gierasimovič Zita, Valiulienė Žaneta

Outpatient Wound Care

Gierasimovič Zita, Karpovič Alina
