



Medicine and Health care

SESSION I: INTERNAL MEDICINE. Cardiology, Pulmonology

Oral presentations

Poster presentations

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- 1. Assessment of Pulmonary Embolism by Clinical Scoring Systems**
- Authors:** Dana Kigitoviča, Eva Dručka, Alberts Belovs
- Supervisor:** Andris Skride

- Effets of Chlorophyllin and Resveratrol on the Sodium Hypochlorite-Induced Endothelial Dysfunction**
- Authors:** Gita Dambrova, Rūdolfs Mežapuķe, Olga Žarkova-Malkova, Dace Bandere, Maija Dambrova, Reinis Vilšķērsts
- Supervisor:** Reinis Vilšķērsts

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- 2. The Risks of Thrombotic and Bleeding Complications after Orthopaedic Surgery**
- Authors:** Sandra Kudiņa, Linda Ivanova
- Supervisor:** Prof. Oskars Kalējs

- Inflammatory Markers and Pneumonia Severity Index in Patients with Pneumonia**
- Authors:** Renija Aleksejeva, Natālija Voskresenska
- Supervisor:** Assoc. Prof. Jūlija Voicehovska

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- 3. Evaluation of Residual Pulmonary Hypertension after the Correction of Congenital Heart Defects**
- Authors:** Dovilē Jančauskaitē, Gabrielius Jakutis
- Supervisors:** Virginija Rudienė, MD Lina Gumbienė

- The Accuracy of Diagnosis and Stage of Chronic Obstructive Pulmonary Disease in Daily Practice**
- Authors:** Agnė Dapšauskaitė, Monika Giedraitytė
- Supervisors:** Dr., Assoc. Prof. Vytautas Kasiulevičius, Dr., Prof. Edvardas Danila

SESSION II: INTERNAL MEDICINE. Gastroenterology, Endocrinology, Nephrology, Haematology, Rheumatology

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- 1. HIV Positive Patients' Hematologic Masks**
- Author:** Brigita Janicka
- Supervisor:** Prof. Sandra Lejniece

- Evaluation of Residual Hemopoiesis in Pediatric Acute Lymphoid Leukemia by Multicolour Flow Cytometry**
- Author:** Linda Kundziņa
- Supervisor:** Dr. med. Sergejs Ņikuļšins
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- 2. Maturity Onset Diabetes of the Young (MODY) Mutations among Patients and Their Relatives** **The Association between Histological Lesions, Proteinuria and Survival of Kidney Grafts**
- Authors:** Alise Čurkste, Ieva Balode, Ināra Kirillova, Una Lauga-Tuņina, Liene Ņikitina-Zaķe, Ineta Kalniņa **Authors:** Inese Jurķāne, Evija Melberga, Renāta Klagiša, Jelizaveta Tribe
- Supervisor:** Dr. med. Iveta Dzīvīte-Krišāne **Supervisor:** MD, PhD Ieva Ziediņa
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- 3. Antibacterial Therapy Trends in Inflammatory Bowel Diseases: Rīga East Clinical University Hospital Review** **Fluid Intake Control in Peritoneal and Hemodialysis Patients**
- Authors:** Helēna Dauvarte, Vita Skuja, Aleksejs Derovs, Aivars Lejnieks **Authors:** Kristīne Palmere, MD Anna Silda
- Supervisor:** Dr. Vita Skuja **Supervisor:** MD, PhD Aivars Pētersons
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SESSION III: SURGERY, ONCOLOGY

- 1. Prognostic Factors of Atrial Fibrillation Following Coronary Artery Bypass Graft Surgery** **Vascular Density in Colorectal Cancer**
- Authors:** Mantas Kievišas, Vytenis Keturakis **Authors:** Jessica Khan, Alexander Rasch
- Supervisors:** MD, PhD, Prof. Šarūnas Kinduris, MD, PhD Loreta Jankauskienė **Supervisor:** Dr. Inese Driķe
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- 2. 5-ALA Fluorescence Guided High Grade Glioma Surgery: Surgical Outcome and Overall Survival** **Cutaneous Melanoma: Difficulties in Diagnostics, Individualisation of Therapy**
- Author:** Jūlija Dolgoplova **Author:** Elīna Ozola
- Supervisor:** MD Egils Valeinis **Supervisor:** Dr. med. Simona Doniņa
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- 3. Assessment of Resectability in Palliatively-Managed Patients with Perihilar Cholangiocarcinoma** **Influence of Vacuum-Assisted Therapy on Body Homeostasis**
- Author:** Antons Rudzāts **Author:** Palany Parameshwaran
- Supervisor:** MD, PhD Haralds Plaudis **Supervisors:** Dr. med. Jānis Fridrihsons, Assoc. Prof. Arnolds Jezupovs
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SESSION IV: MORPHOLOGY, GENETICS

Oral presentations

Poster presentations

1.	Constitutional Copy Number Variations in the Genome of Hereditary Breast and Ovarian Cancer Cases Author: Gunda Zvīgule-Neidere, Dagnija Kalniete Supervisor: Dr. med. Zanda Daneberga	Morphology Study of Spinal Ganglia in Conditions of Micrmercurialism and Its Correction with Mildronat Authors: Olexandr Gorodetskiy, A. Skibinskiy, Mariia Savchyna Supervisor: Dr. med. L. M. Sokurenko
2.	Impact of <i>PALB2</i> and <i>RECQL</i> Genetic Variants on Breast Cancer Susceptibility Authors: Philip Hilz, Dr med. Dagnija Kalniete, Dace Bērziņa Supervisor: Dr. med. Zanda Daneberga	The Anatomical Characteristics of <i>N. Trigemini</i> Blockade Sites Authors: Sandija Skribāne, Laura Bajāre Supervisors: Dr. Oksana Koļesova
3.	The Morphofunctional Changes in the Subendothelial Layer of Varicose Veins Author: Jeļena Birdina Supervisors: Māra Pilmane, Artūrs Ligers	Evaluated Resection Lines and Molecular Parameters of Invasiveness in Pancreatic Ductal Adenocarcinoma Authors: Artūrs Šilovs, Reinis Riekstiņš Supervisor: Dr. med., Asst. Prof. Zane Simtniece

SESSION V: INFECTIOUS DISEASES, DERMATOVENEROLOGY, MICROBIOLOGY, IMMUNOLOGY / ALLERGOLOGY

Oral presentations

Poster presentations

1.	The Variety of Oral Microbiome Species in Supragingival and Subgingival Biofilms in Smokeless Tobacco (SNUS) Users Author: Sintija Miļuna Supervisor: Juta Kroiča	Retrograde Investigation of Clinical Aspects of Prion Disease in Latvia Authors: Deniss Anufrijevs, Oļegs Ribakovs Supervisor: Prof. Guntis Karelis
2.	High Risk Human Papillomavirus Infection in Latvian Female Renal Transplant Recipients Authors: Olga Jermakova, Maksims Čistjakovs, Aļīna Sultanova, Svetlana Čapenko, Baiba	Assessment of Clindamycin and Amoxicillin Effect on Neutrophil Extracellular Traps (NETS) Release Authors: Weronika Bystrzycka, A. Moskalik, S. Sieczkowska, A. Manda-Handzlik, Olga Ciepiela

Lesiņa-Korne, Rafails Rozentāls, Modra Murovska, Dace Rezeberga, Ieva Ziediņa

Supervisor: Maksims Čistjakovs

Supervisor: PhD Olga Ciepiela

3. Genetic Variants of TNF- α : Associations with Peculiarities of the Clinical Course of Rheumatoid Arthritis

Authors: Diyara Kadyrbekova, Alexandra Murtazaliyeva

Supervisor: A. Tarabayeva

***Staphylococcus Aureus* Carriage Differences, Carriage Risk Factors and Resistance to Antimicrobials among the 1st and 6th Year Medical Students in Vilnius University, Faculty of Medicine**

Authors: Lukas Piliponis, Paulius Jacevičius, Gintarė Neverauskaitė

Supervisors: Dr. Lect. Agnė Kirkliauskienė, Asst. Vika Makarevič

SESSION VI: PSYCHIATRY, PSYCHOTHERAPY / PSYCHOSOMATICS, NEUROLOGY, REHABILITOLOGY

Oral presentations

Poster presentations

1. Depression and Quality of Life in German Medical Students at Foreign Universities

Author: Kamiar-K. Rueckert

Supervisor: Vladimirs Voicehovskis

Postencephalitic Syndrome after Tick-Borne Encephalitis

Authors: Anna Neskoromnaja, Elīna Romanovska, Madara Lazdāne, Lelde Liepiņa, Jeļena Ignatjeva, Angelika Krūmiņa, Guntis Karelis

Supervisor: Madara Lazdāne

2. Alexithymia and Patients' Self-Evaluation of Pain

Authors: Ernests Pūliņš-Cinis, Līga Galvanovska, Laura Dreijere, Sergejs Korogodovs, Ieva Šmite, Madara Kurpniece

Supervisor: Dr. Artūrs Ancāns

Relations between Parents and Children's Physical Activity

Author: Rimantė Pacevičiūtė

Supervisor: Lina Varnienė

3. Wearable Sensor Network and Mobile Application for Knee Joint Dynamics Monitoring during Rehabilitation

Author: Emil Syundyukov

Supervisor: Dr. sc. comp. Leo Selavoe

Prevalence of Alexithymia among Patients in Hospitals of Latvia

Authors: Laura Bubko, Annija Mežmača, Inese Jurķāne, Zane Lucāne

Supervisor: Dr. Artūrs Ancāns

SESSION VII: PUBLIC HEALTH, OCCUPATIONAL MEDICINE, NUTRITIONAL SCIENCE, SPORTS MEDICINE

Oral presentations

Poster presentations

1.	Active Smoking-Attributable Cancer Mortality in Lithuania in 2003–2013 Authors: Vaida Liutkutė, Aurelijus Veryga, Mindaugas Štelemėkas Supervisors: Dr. med., Prof. Aurelijus Veryga, Nijolė Goštautaitė Midttun	Unexpected Lithuanian Murder Statistics Authors: Mantė Markevičiūtė, Audronė Matusevičiūtė Supervisor: MD Sigitas Chmieliauskas
2.	Parents' Knowledge of Infant and Toddler Oral Health Care in Latvia Authors: Anete Bērziņa, PhD Ilona Viduskalne, PhD Anda Brinkmane Supervisor: PhD Ilona Viduskalne	Occupational Skin Diseases among Healthcare Professionals in Latvia Author: Elīza Sāļījuma Supervisor: Maija Eglīte
3.	Patients' Attitude towards Students' Participation in the Process of Treatment at Pauls Stradiņš Clinical University Hospital Authors: Vadims Ņefjodovs Supervisor: Dr. Eduards Krustiņš	Hormonal Medicine – with What and When We Are Risking Author: Jūlija Mackeviča Supervisor: Dr. pharm., Asst. Prof. Inga Urtāne

SESSION VIII: PAEDIATRICS, GYNAECOLOGY, OBSTETRICS

Oral presentations

Poster presentations

1.	Influenza and Pregnancy Author: Lāsma Bidiņa Supervisor: Dr. med., Prof. Dace Rezeberga	Contraceptive Understanding among Visually Impaired Latvian Students Author: Liene Muceniece Supervisor: Dr. Dainis Balodis
2.	Assessment of Factors Affecting Induction of Remission in Children with Initial Episode of Idiopathic Nephrotic Syndrome Author: Aleksandra Sidorova, Antons Rudzāts Supervisor: Dr. Ilze Andersone	Analysis of Invasive Cervical Cancer Cases in Latvia Authors: Anna Kornete, Elizabete Pumpure Supervisor: Dr. med. Ronalds Mačuks

<p>3. Sexual Activity of Visually Impaired Latvian Students</p> <p>Author: Liene Muceniece</p> <p>Supervisor: Dr. Dainis Balodis</p>	<p>Iron Deficiency Anaemia and Vaginal Candidiasis in Pregnancy</p> <p>Authors: Ieva Balode, Ilze Vīberga</p> <p>Supervisors: MD, PhD Ilze Vīberga</p>
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SESSION IX: OTORHINOLARYNGOLOGY, ORAL CAVITY PATHOLOGY, OPHTHALMOLOGY

Oral presentations

Poster presentations

<p>1. Influence of Corneal Edema on Refraction after Cataract Surgery</p> <p>Author: Eva Dručka</p> <p>Supervisor: Prof. Guna Laganovska</p>	<p>Incidental Abnormalities of Paranasal Sinuses in Patients Referred for Head CT Scan for Suspected Intracranial Pathology in Latvia</p> <p>Authors: Renāta Klagiša, Inese Jurķāne</p> <p>Supervisor: Dr. med. Jānis Sokolovs</p>
<p>2. The Effect of Pouring Time and Storage Conditions on the Dimensional Stability of Casts Made from Alginate Impressions by 3D Modelling</p> <p>Author: Dāvis Rozītis</p> <p>Supervisor: Asst. Prof. Linards Grieznis</p>	<p>Deep Neck Infection: Review of 263 Cases</p> <p>Authors: Alise Adoviča, Linda Veidere, Marks Ronis</p> <p>Supervisor: MD Gunta Sumeraga</p>
<p>3. Refraction after Cataract Surgery Depending on Calculation Formula</p> <p>Author: Dāvis Raščevskis</p> <p>Supervisor: Prof. Guna Laganovska</p>	<p>Long-Term Intraocular Pressure Changes after Intravitreal Injections</p> <p>Author: Sintija Grava</p> <p>Supervisor: Prof. Guna Laganovska</p>

SESSION X: ANAESTHESIOLOGY / REANIMATOLOGY / EMERGENCY MEDICINE, TRAUMATOLOGY / ORTHOPAEDICS, RADIOLOGY

Oral presentations

Poster presentations

<p>1. Initial 24h ICU Glucose Levels Are Associated with the Development of Cerebral Vasospasm after Subarachnoid Haemorrhage</p> <p>Author: Philippe Sebastian Breiding</p> <p>Supervisor: Asst. Prof. Oļegs Sabeļņikovs</p>	<p>The Changes of Cardiac Magnetic Resonance Imaging-Derived Pulmonary Artery Diameter in Patients with Pulmonary Hypertension</p> <p>Author: Grytė Galnaitienė</p> <p>Supervisor: PhD student Lina Padervinskienė</p>
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| <p>2. Hip Joint Anatomical Shape Variants as a Risk Factor for Developing Osteoarthritis</p> <p>Author: Andris Džeriņš</p> <p>Supervisor: Dr. med. Pēteris Studers</p> | <p>The Analysis of Aseptic Loosening as a Complication after Total Hip Arthroplasty</p> <p>Author: Mārcis Benefelds</p> <p>Supervisor: Prof. Andris Juntiņš</p> |
| <p>3. Bristow-Latarjet and Bankart: a Comparative Study of Shoulder Stabilisation in Hospital of Traumatology and Orthopaedics in Rīga; 6-Year Results</p> <p>Author: Toms Arcimovičs</p> <p>Supervisor: Dr. Aigars Vugulis</p> | <p>Diagnosis of Gastrointestinal Tract Perforation on Computed Tomography</p> <p>Author: Tatjana Stepanova</p> <p>Supervisor: Dr. med. Aelita Žvīgure</p> |
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SESSION XI: PHYSIOLOGY, BIOCHEMISTRY, PHARMACOLOGY

Oral presentations

Poster presentations

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| <p>1. The Influence of Amiodarone Administered in Intensive Care Unit (ICU) on International Normalised Ratio (INR) Values for Patients Who Received Warfarin after Aortic Valve Surgery</p> <p>Author: Juozas Jarašūnas</p> <p>Supervisor: Dr. Rimgaudas Katkus</p> | <p>The Application of a New HPLC-FL Method in Determination of ALDH1 Activity in Plasma and Serum</p> <p>Authors: Karolina Księżarczyk, Sandra Sieczkowska, Sylwia Michorowska, Agnieszka Wiśniewska, Piotr Wroczyński</p> <p>Supervisor: Dr. Joanna Giebutowicz</p> |
| <p>2. Plasma Acylcarnitines as a Potential Biomarker of Metabolic Flexibility</p> <p>Author: Irēna Mirzajanova</p> <p>Supervisors: Dr. pharm. Marina Makrecka-Kūka, Dr. pharm. Jānis Kūka</p> | <p>Alterations in Microglia Activity in the Brain by Low Doses of Muscimol in an Alzheimer's Disease Rat Model</p> <p>Authors: Karīna Narbute, Santa Timšāne, Vladimirs Pijļipenko, Raimonds Skumbiņš, Ulrika Beitnere, Baiba Jansone, Vija Kluša</p> <p>Supervisor: Ulrika Beitnere, Vija Kluša</p> |
| <p>3. Effect of Acylcarnitine Administration on the Development of Atherosclerosis and Skin Microcirculation</p> <p>Author: Elza Muižniece</p> <p>Supervisor: Dr. pharm. Reinis Vilšķērsts</p> | <p>Compliance to Drug Therapy in Patients with Inflammatory Bowel Diseases</p> <p>Author: Veronika Madesova, Dr. Olga Sjomina</p> <p>Supervisor: Assoc. Prof. Santa Purviņa, Prof. Juris Pokrotnieks</p> |
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SESSION XII: CASE REPORTS, SMALL CASE SERIES

Oral presentations

- 1. Thrombotic Microangiopathy – the Cause of Acute Kidney Injury**
Author: Dana Kigitoviča
Supervisor: Prof. Aivars Pētersons

 - 2. Septic Shock in Infant with Meningococemia without Clinical Evidence of Meningitis**
Authors: Dace Rezevska, Ieva Stibe, Anija Meiere
Supervisor: Dr. med. Arta Bārzdiņa

 - 3. Prospective Study of Voice Therapy Effectiveness in Patients with Dysphonia: Case Series**
Author: Alise Adoviča
Supervisors: MD Dins Sumerags, BD Māra Lokenbaha
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Social Sciences

ECONOMICS

- 1. Evaluation of the Integrated Marketing Communication Activities Implemented by Rīga Stradiņš University**
Author: Marija Rācene
Supervisor: Mg. sc. soc. Kristīne Blumfelde-Rutka

 - 2. Opportunities for the Creation of Crowdfunding Platforms and Their Necessity in the Baltic States**
Author: Dāvis Kurēns
Supervisor: Dr. Henrijs Kaļķis

 - 3. Development of International Trade – Successes and Biggest Challenges**
Author: Viesturs Levada
Supervisor: M.A.I.S. Aldis Austers
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COMMUNICATION

1. Relation between Values and Anomia of the Inhabitants of Latvia

Author: Kristiāna Klinie

Supervisor: Dr. psych. Jeļena Ļevina

2. Student Values in 2010 and 2015: a Comparative Study

Author: Marina Sokola

Supervisor: Assoc. prof., Dr. psych. Kristīne Mārtinsone

3. The Analysis of Crowdfunding from Different Sociological Approaches

Author: Viktoriia Kalashnikova

Supervisor: Dr. sc. soc. Taras Tsymbal

LAW

1. The Legal Aspects of Hygiene Requirements for Tattoo Salons

Author: Kristīne Langiša

Supervisor: Mag. iur., Dr. iur. cand. Santa Slokenberga

2. Ethical and Law Aspects of Dead Persons' Organ Harvesting and Use in Medicine

Author: Anželika Kožuharova

Supervisor: Mag. iur., Dr. iur. cand. Santa Slokenberga

3. Abuse of Dominant Position in EU's Single Market: *Google* Case Analyses

Author: Toms Zariņš

Supervisor: Dr. iur. Marta Ābula

POLITICAL SCIENCE, INTERNATIONAL RELATIONS

1. Social Capital and the Prospects of Youth Political Participation in North-Eastern Latgale

Author: Austris Keišs

Supervisor: Dr. sc. pol. Simona Gurbo

2. The Role of Romania in the European Integration Process of Moldova

Author: Tamāra Kondrjuka

Supervisor: Dr. hist., Assoc. Prof. Daina Bleiere

3. The Information Component of Russia's Foreign Policy Implementation

Author: Arnis Latišenko

Supervisor: PhD cand. Māris Cepurītis
