



International Scientific Conference on Medicine at the University of Latvia

University of Latvia, House of Science, Jelgavas iela 3, Riga

Friday, February 22, 2019

SCIENTIFIC PROGRAMME OVERVIEW

08:15-08:50	REGISTRATION		
09:00	WELCOME ADDRESS		
	Mārcis Leja, Conference Chair, Faculty of Medicine		
	Indriķis Muižnieks, Rector, University of Latvia		
	Gustavs Latkovskis, Vice dean, Faculty of Medicine		
09:20	PLENARY SESSION		
	<i>Modern epidemiology - what it is and why we need it.</i>		
	Eva Grill, Ludwig-Maximilians-Universität Munich, Germany.		
	<i>Team Science and Precision Medicine.</i>		
	Andrejs Ērglis, Faculty of Medicine, University of Latvia.		
	<i>Blood-Brain Barrier modeling: interest for basic research and drug design.</i>		
	Pierre-Olivier Couraud, Institut Cochin, Inserm, Université Paris Descartes, France.		
10:45	MORNING SESSIONS	ROOM	POSTER SESSIONS <i>2nd Floor Hall</i>
	<i>Basic Medical Science & Pharmacy</i>	104	10:45-12:55 <i>Internal Medicine & Infectious Disease</i>
	<i>Cardiovascular Medicine</i>	105	12:30-14:00 <i>Gastroenterology</i>
	<i>Paediatrics</i>	106	
	<i>Public Health & Nursing</i>	110	
13:00	INTERMISSION	<i>Coffee (1st Floor Lobby)</i>	13:00-13:25 <i>Mental Health</i>
			13:00-14:10 <i>Surgery, Anaesthesiology</i>
14:00	AFTERNOON SESSIONS		14:00-15:45 <i>Basic Medical Science (I)</i>
	<i>Internal Medicine & Infectious Disease</i>	104	14:00-17:00 <i>Public Health & Nursing</i>
	<i>Gastroenterology & Gastrointestinal Oncology</i>	105	14:10-15:00 <i>Cardiovascular Medicine</i>
	<i>Mental Health in the 21st Century</i>	110	14:10-15:10 <i>Paediatrics</i>
	<i>Regenerative Medicine</i>	203	16:00-18:00 <i>Basic Medical Science (II)</i>
	<i>Surgery, Anesthesiology & Intensive Care</i>	106	
	<i>Priority Research Direction: Biomedicine & Pharmacy</i>	202	





ORAL PRESENTATIONS

10:45 BASIC MEDICAL SCIENCE & PHARMACY

Room 104

Session chairs: Una Riekstiņa, Nadiia Bilko, Baiba Jansone

10:45 Assessment of hematopoietic stem cells in norma and pathology in cell culture *in vitro* and *in vivo*. **Nadiia Bilko**, National University of Kyiv-Mohyla Academy, Ukraine.

11:05 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

1. **Features of damage and recovery of rats hematopoietic system following the exposure to sublethal doses of ionizing radiation**

Yelizaveta Sniezhkova, Natalia Rodionova, Marharyta Pakharenko, Iryna Russu, Mariia Kavertseva, Tetiana Dubova, Nadiia Bilko

2. **Identification of proteasome related genetic markers for multiple sclerosis**

Jolanta Kalnina, Natālija Paramonova, Gatis Melkus, Kristīne Dokāne, Nikolajs Sjakste

3. **Prevalence of BRAF somatic mutations in solid tumours-the pilot study**

Darja Isajeva, Janis Eglitis, Armands Sivins, Sergejs Isajevs

4. **X chromosome doubling correlates with triploidy in malignant transformation of male tumours**

Nineļa Miriama Vainšēlbauma, Jekaterina Erenpreisa, Regina Kleina, Pavels Zajakin

5. **Analysis of polyamine levels in blood serum of patients with breast cancer using optical SPR-based immune biosensor**

Maksym Prylutskyi, Nikolay Starodub

6. **Auronofin reduces brain amyloid- β (A β) load in Alzheimer disease $APP^{NL-G-F/NL-G-F}$ mice model**

Jolanta Upite, Inga Kadish, Thomas van Groen, Baiba Jansone

7. **Discovery of new sortase A inhibitors from *Staphylococcus epidermidis* by fluorescence resonance energy transfer (FRET) screening system**

Svjatoslavs Kistkins, Zhanna Rudevica, Janis Bogans, Viktorija Kurbatska, Ainars Leonciks

8. **Extracellular vesicles reverse dysfunctions in 6-OHDA-induced Parkinson`s disease model-rats**

Karina Narbute, Vladimirs Pilipenko, Jolanta Pupure, Augustas Pivoriūnas, Baiba Jansone, Vija Klusa

9. **Vaccinium genus berry pomace extracts inhibit secretion of pro-inflammatory cytokines in LPS induced THP-1 monocytes**

Līga Saulīte, Ruta Muceniece, Kaspars Jēkabsons, Māris Kļaviņš, Una Riekstiņa



10:45

CARDIOVASCULAR MEDICINE

Room 105

Session chairs: Gustavs Latkovskis, Andrejs Ērglis

10:45 Treatment of Aortic Stenosis: Current Approach

Ainārs Rudzītis, Faculty of Medicine, University of Latvia.

11:05 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

1. **Prognostic calculations for grown-up congenital heart disease patients in Latvia**
Strengē Agnese, Lubaua Inguna, Ligere Elina, Lace Inga, Bergmane Inta, Ozolins Valts, Erglis Andrejs
2. **Does the extent of surgical repair in acute Stanford type A aortic dissection affects early outcome? Single-centre experience in acute aortic dissection surgical repair**
Gvido Janis Bergs, Martins Kalejs, Uldis Strazdins, Peteris Stradins
3. **Increase in direct oral anticoagulant use 6 months after electrical cardioversion over 4 years**
Alberts Bērziņš, Viktorija Lodeikina, Oskars Kalējs
4. **Real-life and estimated attainment of low-density lipoprotein cholesterol goals in patients with familial hypercholesterolemia on maximal statin and ezetimibe therapy**
Georgijs Nesterovics, Vita Saripo, Dainus Gilis, Arta Upena-Roze, Andrejs Erglis, Gustavs Latkovskis
5. **Characteristics of lipid profile in pediatric population of Children's Clinical University Hospital in Latvia**
Elizabete Tērauda, Ingūna Lubaua, Gustavs Latkovskis
6. **Incidence of congenital heart defects in Kazakhstan**
Azel Amralina, Nurbek Igissinov
7. **Exploring variations of acute myocardial infarction coding, management and 30-day mortality in Latvia: the nationwide linked administrative data study**
Rīta Konstante, Juris Bārzdīņš, Artis Luguzis, Jānis Valeinis, Jolanta Skrulle, Santa Pildava, Jana Lepiksone
8. **In-hospital Complications Following PCI for True Bifurcation Lesions**
Ilja Podolskis, Arnis Laduss, Evija Camane, Gustavs Latkovskis, Andrejs Erglis, Karlis Trusinskis, Dace Sondore, Inga Narbute, Kristine Dombrovska, Andis Dombrovskis, Ieva Briede, Aigars Lismanis, Ainars Rudzītis, Sanda Jegere, Indulis Kumsars
9. **The two-year retrospective analysis of pulmonic embolism diagnostics and treatment quality**
Irina Holste, Jelizaveta Pavlova, Olga Sjomina, Patricija Ivanova, Julija Voicehovska
10. **Differences in stress, anxiety and depression by diagnosis of cardiovascular patients in Latvia**
Madara Lietuviete, Dagnija Vidomska, Madara Runge, Sandra Seimane, Lilian Tzivian, Gustavs Latkovskis



10:45

Room 106

PAEDIATRICS

Session chairs: Ingrīda Rumba-Rozenfelde, Ilva Daugule

10:45 Obesity in Children. **Sarmīte Kupča**, Faculty of Medicine, University of Latvia.

11:05 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

- 1. Comparing quality of life in healthy children and in pediatric obesity in Latvia**
Kristīne Kurtiša, Sandra Feierābende, Madara Rudzāte, Irēna Rinkuža, Ingrīda Rumba-Rozenfelde
- 2. Characteristics of faecal microbiome enterotypes of preschool children**
Egija Mičule, Laura Lagzdiņa, Līga Broka, Aiva Brūmane, Dmitrijs Perminovs, Mikus Gavars, Ingrīda Rumba-Rozenfelde, Ilva Daugule
- 3. Electronic media device usage and impact to children's (6-36 months old) sleep duration and quality**
Paula Branta, Marta Celmiņa, Karīna Irita Romānova, Egija Mičule, Kristīne Sindecka, Elīna Voitehoviča, Zanda Lāse, Artis Lapsiņš, Valdis Folkmanis
- 4. Association between improvement of psychomotor function and a type of underwent therapy in children with autisms spectrum disorders in Latvia**
Valdis Folkmanis, Aleksandrs Vasilonoks, Lilian Tzivian
- 5. Dentofacial and myofunctional disorders of preschool children in Latvia**
Julia Pircher, Dace Priede, Baiba Roze, Sergei Parshutin, Dace Arkliņa, Inga Vaska, Valdis Folkmanis, Lilian Tzivian, Ieva Henkuzena
- 6. Screen time exposure among toddlers aged 2-3 years and its impact on cognitive and motor function development**
Karīna Irita Romānova, Marta Celmiņa, Kristīne Sindecka, Paula Branta, Egija Mičule, Elīna Voitehoviča, Zanda Lāse, Artis Lapsiņš, Valdis Folkmanis
- 7. Assisted reproductive technology and the risk of preterm birth**
Viktorija Margevičus, Santa Ūdre, Margarita Puķīte, Natālija Vedmedovska, Violeta Fodina, Renārs Erts



10:45 PUBLIC HEALTH & NURSING

Room 110

Session chairs: Ina Mežina-Mamajeva, Lilian Tzivian

10:45 Digital Health in Community Care

Hadas Lewy, Holon Institute of Technologies, Israel

11:05 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

- 1. Association between work tension and professional burnout in nurses population in Latvia**
Ilona Klage, Inga Priede, Ina Mežina-Mamajeva, Valdis Folkmanis, Lilian Tzivian
- 2. Association between professional burnout and self-reported health of nurses from different hospitals in Riga, Latvia**
Ieva Kalnina, Inga Priede, Ina Mežina-Mamajeva, Valdis Folkmanis, Lilian Tzivian
- 3. Association between stress and workability among medical personal from three major hospitals in Riga, Latvia**
Inga Priede, Ina Mežina-Mamajeva, Valdis Folkmanis, Lilian Tzivian
- 4. The withdrawal of Marketing Authorization Applications from European Medicines Agency: reasons and financial health of companies**
Laura Martinkutė, Silvijus Abramavičius, Edgaras Stankevicius, Raimondas Radžiūnas, Edmundas Kaduševičius
- 5. Exploring latvian teachers' readiness to learn online for adapted e-learning course design**
Evija Mirķe, Sarma Cakula, Lilian Tzivian
- 6. Insufficiencies in Realization of Patients' Right to Complain to the Health Inspectorate of Latvia**
Solvita Olsena
- 7. Assessment of preparedness of Latvian Healthcare Facilities for Disaster Management**
Romualds Ražuks
- 8. Musculoskeletal overuse injury prevalence and comfort perception of military boots**
Darja Nesteroviča
- 9. Component analysis of thyroid cancer incidence dynamics in Kazakhstan**
Marzhan Zhantubetova, Askar Esseyev, Saken Kozhakhmetov, Nurbek Igissinov
- 10. Vaccination coverage rates and the incidence of vaccine preventable diseases among children in Sumy region of Ukraine**
Vladislav Smiyarov, Viktoriya Kurganskaya, Olga Smiyanova



14:00 INTERNAL MEDICINE & INFECTIOUS DISEASE

Room 104

Session chairs: Valdis Pīrāgs, Vallo Volke

14:00 GLP-1 receptor agonists in the treatment of type 2 diabetes mellitus

Vallo Volke, University of Tartu

14:20 Oral presentations (each presentation = 7 minutes + 3 minutes for discussion)

- 1. Impact of free-living interval walking training managed through smart mobile devices on cardiovascular risk factors in patients with type 2 diabetes mellitus**
Jelizaveta Sokolovska, Aija Kļaviņa, Ksenija Krilatīha, Karīna Ostrovskā, Margarita Jahimoviča, Vita Rovīte, Leonora Pahirko, Jānis Valeinis, Leo Selavo
- 2. Mortality causes in type 2 diabetes mellitus patients from Genome Database of the Latvian Population**
Antoņina Zemčugova, Ilze Konrāde, Linda Zaharenko, Monta Ustinova, Ilze Elbere, Vita Rovīte, Jānis Kloviņš
- 3. Non-small cell lung cancer computer tomography evaluation with RECIST criteria for patients who received palliative chemotherapy**
Līna Lazdiņa, Katrīna Bandere, Sigita Hasnere
- 4. Plasma non-esterified fatty acids and long-chain acylcarnitines are markers for tissuespecific insulin resistance**
Kārlis Vilks, Elīna Makarova, Marina Makrečka-Kūka, Maija Dambrova, Edgars Liepiņš
- 5. Impact of different factors on outcome of radioiodine therapy of differentiated thyroid cancer**
Natalja Šenterjakova, Maija Radziņa, Antra Bērziņa
- 6. Randomized, double-blind, placebo-controlled, crossover design study of two herbal dietary supplement products in patients with moderate persistent, uncontrolled bronchial asthma**
Māris Bukovskis, Andrejs Ivanovs, Eva Šauriņa, Marija Oniščuka, Katrin Kharrubi, Irina Kotova, Normunds Jurka
- 7. Steroid metabolomics in the diagnosis of adrenal diseases**
Zulfiya Shafigullina, Natalia Vorokhobina, Ludmila Velikanova
- 8. E.coli biofilm eradication using meropenem and *INTESTI* bacteriophage cocktail**
Kārlis Rācenis, Juta Kroiča, Laima Mukāne, Aivars Pētersons
- 9. Sepsis and septic shock in multidisciplinary hospital in Latvia**
Laura Pučeta, Uga Dumpis



14:00
Room 105

Endorsed by European Society of Digestive Oncology (ESDO)

**GASTROENTEROLOGY &
GASTROINTESTINAL ONCOLOGY**

Session chairs: Mārcis Leja, Armands Sīviņš



14:00 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

- Using liquid biopsy technology as an additional method of primary diagnostics and early detection of the disease recurrence in patients with colorectal cancer**
Ihor Vynnychenko, Vitaliia Kostiuhenko
- Single centre study: survival of patients with initially unresectable locally advanced stage III gastric adenocarcinoma after receiving neoadjuvant chemotherapy**
Ilze Vernava, Signe Plāte
- Prevalence of somatic mutations and histopathological characteristics of colorectal carcinoma**
Darja Isajeva, Janis Eglitis, Armands Sivins, Sergejs Isajevs
- The prevalence of polymorphisms of thiopurine methyltransferase gene in Latvian population of inflammatory bowel disease patients**
Polina Zalizko, Juris Stefanovics, Jelizaveta Sokolovska, Natalija Paromonova, Renars Ertis, Viktorija Mokricka, Vita Rovite, Janis Klovins, Aldis Pukitis
- High-risk individuals for gastric cancer would be missed for surveillance without subtyping of intestinal metaplasia**
Sergejs Isajevs, Inga Bogdanova, Linda Mezmale, Anna Krigere, Selga Savcenko, Inta Liepniece-Karele, Baiba Mihailova, Maria Blanca Piazuolo, Ilze Kikuste, Ivars Tolmanis, Aigars Vanags, Indra Gulbe, Altynbek Tazedinov, Darhan Samentaev, Ramis Samsutdinov, Tatjana Belihina, Nurbek Igissinov, Marcis Leja
- Gut microbiome in diabetic patients at the risk of NAFLD-associated fibrosis**
Ilze Birka, Ilze Elbere, Aiga Stāka, Linda Zaharenko, Vita Rovīte, Valdis Pīrāgs, Jānis Kloviņš
- TM6SF2 and MBOAT7 gene variants are not associated with the risk of developing liver fibrosis and cirrhosis in an Eastern European population**
Viktorija Basyte – Bacevice, Jurgita Skieceviciene, Limas Kupcinskas, Irena Valantiene, Jolanta Sumskiene, Vitalija Petrenkiene, Jurate Kondrackiene, Dalius Petrauskas, Frank Lammert, Juozas Kupcinskas
- Prolongation of hospitalization period among malnourished patients: contributing factors**
Olga Sjomina, Aleksejs Derovs, Alina Graubergere, Aleksandra Jeniceka, Alise Lielause, Ilva Daugule, Zane Dzerve, Igors Gubarevs, Oļesja Basina, Mārcis Leja, Lilian Tzivian



9. **Reliability of nutrition assessment tools in predicting prolonged hospitalization**
Olga Sjomina, Aleksejs Derovs, Alina Graubergere, Aleksandra Jeniceka, Alise Lielausa, Ilva Daugule, Zane Dzerve, Igors Gubarevs, Oļesja Basina, Mārcis Leja, Lilian Tzivian
10. **The prevalence of gastroesophageal reflux disease and its risk factors in Latvia**
Danute Ražuka-Ebela, Inguna Ebela, Inese Polaka, Sergei Parshutin, Daiga Santare, Raul Murillo, Rolando Herrero, Jin Young Park, Marcis Leja
11. **Sociodemographic, lifestyle and medical risk factors for *Helicobacter pylori* infection in the GISTAR study population in Latvia**
Danute Ražuka-Ebela, Inese Polaka, Sergei Parshutin, Daiga Santare, Inguna Ebela, Raul Murillo, Rolando Herrero, Lilian Tzivian, Jin Young Park, Marcis Leja
12. **Changes in the indicators of stomach cancer in Kazakhstan**
Saltanat Negimetzhan, Rustem Taszhanov, Niyaz Malayev, Saken Kozhakhmetov, Mārcis Leja, Nurbek Igissinov

14:00 **Priority Research Direction:**
Room 202 **BIOMEDICINE & PHARMACY**

Session chairs: Una Riekstiņa, Nadiia Bilko

14:00-16:00 Oral presentations (*each presentation = 15 minutes*)

1. **Proteasome genes structure, expression and pharmacogenomics study**
Natalia Paramonova, Kristīne Ošiņa, Kristīne Dokāne, Nikolajs Sjakste
2. **NGS for aptamer research using differential binding cell-SELEX approach**
Karlis Pleiko, Liga Saulite, Vadims Parfejevs, Una Riekstiņa
3. **Biomarker studies in preventive medicine within Institute of Clinical and Preventive Medicine, University of Latvia**
Mārcis Leja
4. **Impact of type 1 diabetes mellitus and its complications on markers of nitric oxide metabolism**
Jelīzaveta Sokolovska, Kristīne Ošiņa, Larisa Baumane, Alise Dekante, Leonora Pahirko, Jānis Valeinis, Vita Rovīte, Valdis Pīrāgs, Nikolajs Sjakste
5. **Trends of late fetal deaths and stillbirth risk factors**
Īrīsa Zīle, Inguna Ebela, Ingrīda Rumba-Rozenfelde
6. **Cost efficiency of *H.pylori* eradication in Latvia**
Kārlis Purmalis, Jurgis Kalniņš, Mārcis Leja



14:00 MENTAL HEALTH IN THE 21st CENTURY

Room 110

Session chairs: Inta Zīle, Igors Koļesņikovs, Andis Užāns

14:00 Perinatal Mental Disorders: Diagnosis and Treatment

Igor Kolesnikov, Institute of Neurocommunications and Psychotherapy, Vilnius

14:20 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

- 1. Online mental health: characteristics of self-reported diagnostics claims among internet users from Latvia**
Andis Užāns, Inguna Rudzīte
- 2. Executive functions, rumination and depressive symptoms**
Ilze Plauča, Ieva Bite, Sandra Sebre
- 3. The Effectiveness of Social Support on the Quality of Life of People with Epilepsy**
Alexander Specking, Julie Langan-Martin
- 4. Appearance concerns and the Body Dysmorphic Disorder Questionnaire rates in healthy adults**
Aleksandrs Orlovskis, Marina Losevich
- 5. Prevalence of cigarettes, alcohol and substance use, anxiety and depression symptoms among lesbian, gay, bisexual, trans and queer community and general population in young adults**
Kamilija Girgždītē, Viktorija Andrejevaitē, Vilius Rajeckas, Justina Staigytė
- 6. Limitations to safeguard the right to health care of children and adolescents suffering from emergency psychiatric conditions in the Riga region**
Marina Losevich, Solvita Olsena, Alexander Losevich
- 7. Understanding of the importance of studies on mental health by adolescent parents in Latvia**
Inta Zīle, Valdis Folkmanis, Lilian Tzivian

15:30 Affective Neuroscience and Interpersonal Neurobiology - what it changes for Doctors?

Žanete Sebre, Faculty of Medicine, University of Latvia.



14:00 **REGENERATIVE MEDICINE**

Room 203

Session chairs: Andrejs Ērglis, Ēriks Jakobsons

14:00 Application of 3D Bioprinting in Biomedicine

Ēriks Jakobsons, Institute of Cardiology and Regenerative Medicine, University of Latvia.

14:20-16:00 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

1. Three-dimensionally printed spinal intervertebral disc model development and biocompatibility assessment for applied biomaterials

Eriks Jakobsons, Beatrise Lucija Rupaine, Kristaps Erglis, Didzis Dejus, Indriķis Muiznieks, Andrejs Erglis

2. Autologous bone marrow mononuclear cell transplantation in patients with acute myocardial infarction and chronic heart failure in Latvia

Ieva Briede, D.Sondore, S.Jegere, Narbutė, I.Kumsars, K.Trusinskis, G.Latkovskis, A.Dombrovskis, K.Dombrovska, A.Rudzitis, K.Strenge, K.Spalva, E.Sokolova, R.Mikijanskis, E.Jakobsons, B.Rupaine, R.Dortane, K.Erglis, M.Erglis, Andrejs Erglis

3. Hip joint osteoarthritis treatment with bone marrow derived mononuclear cell injection

Valdis Goncars, Eriks Jakobsons, Ieva Briede, Kristaps Erglis, Martins Erglis, Beatrise Lūcija Rupaine, Indriķis Muiznieks, Andrejs Erglis, Konstantīns Kalnberzs

4. Dynamic of knee osteoarthritis clinical signs after mononuclear cell injections during 36 month's period

Kristiāns Alpe, Valdis Goncars, Eriks Jakobsons, Ieva Briede, Kristaps Erglis, Martins Erglis, Indriķis Muiznieks, Andrejs Erglis, Konstantīns Kalnberzs

5. Evaluation of novel type optical sensor prototype for glucose monitoring *in situ*

Eriks Jakobsons, Alma Eihentāle, Beatrise Lucija Rupaine, Kristaps Erglis, Martins Erglis, Indriķis Muiznieks, Andrejs Erglis

6. Sea buckthorn fruit residue derived polyphenol extract effect on endothelial cell proliferation *in vitro*

Eriks Jakobsons, Kristaps Erglis, Martins Erglis, Beatrise Lucija Rupaine, Alma Eihentāle, Indriķis Muiznieks, Andrejs Erglis

7. Novel approach of polyphenol extraction from sea buckthorn residues

Eriks Jakobsons, Kristaps Erglis, Martins Erglis, Beatrise Lucija Rupaine, Alma Eihentāle, Indriķis Muiznieks, Andrejs Erglis



14:00 SURGERY, ANAESTHESIOLOGY & INTENSIVE CARE

Room 106

Session chairs: Dainis Krieviņš, Viesturs Boka,
Aleksejs Miščuks, Iveta Golubovska

14:00 Strategies for Medical Implant Surface Modification

Maksym Pogorielov, Sumy State University, Ukraine

14:20 Oral presentations (*each presentation = 7 minutes + 3 minutes for discussion*)

- 1. Carotid plaque instability and neovascularisation assessment using Contrast-Enhanced Ultrasound (CEUS) and Superb Micro-Vascular Imaging (SMI)**
Maija Radzina, Andrejs Lioznovs
- 2. “Fast-track” surgery and early rehabilitation for total hip replacement**
Miķelis Birznieks, Iveta Golubovska, Aleksejs Miščuks, Lauris Repša, Inta Čerņavska, Jānis Ābols, Aivars Muste, Igors Ļu
- 3. The efficacy of the endovascular transvenous bypass in the treatment of long lesions of the femoral artery**
Naums Davids Hlebins, Olga Leitāne, Aļina Graubergere, Jānis Šavlovskis, Dainis Krieviņš
- 4. Evaluation of International Ovarian Tumour Analysis Logistic Regression Model 2 and Risk Malignancy Index in the preoperative prediction of malignancy in women with adnexal masses in Latvia**
Anastasija Mosina, Anna Voiskovica, Androniks Mitildzans, Zaneta Spridzane, Arta Spridzane, Gulmira Van Lubeka, Kristine Pcolkina, Gunars Serzants, Anna Miskova
- 5. Optimization of early medical rehabilitation of patients after hip arthroplasty**
Olga Pavlova
- 6. The difference of body mass index between different age groups and specific types of urinary incontinence.** *Viktorija Nesterovica, Zane Pilsetniece, Egils Vjaters*
- 7. Ruptured abdominal aortic aneurysm management: Single center experience**
Edgars Bobrovs, Mikus Saulīte, Katrīna Kupča, Dainis Krieviņš, Artūrs Ozoliņš
- 8. Trauma mechanism and blood lactate level impact on mortality in polytrauma patients**
Andris Čaplinskis, Leila Geibijeva, Alvis Melderis, Ruslans Kovaļenko, Haralds Plaudis, Guntars Pupelis
- 9. Effect of perioperative ketamine application on postoperative pain and neurocognitive function**
Leonīds Solovjovs, Agnese Ozoliņa, Artis Gulbis, Kaspars Ruks, Indulis Vanags
- 10. The efficiency of continuous wound infusion of local anaesthetics after gastrectomy. Pilot study.** *Olga Saļuka, Igors Ivanovs, Aleksejs Miščuks*

16:00 Awarding of prize for best abstract in anesthesiology

by the Society of Anesthesiologists and Reanimatologists of Latvia



POSTER PRESENTATIONS

2nd Floor Hall

BASIC MEDICAL SCIENCE & PHARMACY (I)

Chairs: Gunta Strazda, Immanuels Taivāns

- 1. BRAF V600 Mutational Status in Melanoma Correlates with tumour histopathological characteristics.** *Oksana Isankova, Renāte Novicka, Aija Ozola, Omar Mohamed, Selga Savčenko, Miķelis Pūķis, Tatjana Zablocka, Sergejs Isajevs, Dace Pjanova*
- 2. Endothelial microvesicles as biomarkers of oxidative stress.** *Vytautas Žėkas, Reda Matuzevičienė, Dovilė Karčiauskaitė, Dalius Vitkus, Mantas Radzevičius, Aušra Janilionienė, Aušra Linkevičiūtė, Zita Kučinskienė*
- 3. Hexose transporters in ostriches intestinal epithelium in the first postnatal week.** *Piret Hussar, Tõnu Järveots, Ilmārs Dūrītis*
- 4. Involvement of KV7 and BKCa channels in GYY4137 and sodium hydrogen sulfide relaxation of rat mesenteric small arteries.** *Silvijus Abramavicius, Asbjørn G. Petersen, Nirthika S. Renaltan, Matthew Whiteman, Edgaras Stankevicius, Elise R. Hedegaard, Ulf Simonsen*
- 5. Loss of DNA mismatch repair proteins characterises Grade group 3-5 prostate carcinoma and did not correlate with serum PSA level.** *Kristofs Folkmanis, Sergejs Isajevs, Maris Jakubovskis, Janis Eglitis, Valdis Folkmanis, Vilnis Lietuvietis*
- 6. Quantification of immunohistochemical FANCM protein expression in prostate cancer stroma by using freeware image analysis programs.** *Georgi Džaparidze, Evelin Anion, Marika Tammaru, Maris Laan, Ave Minajeva*
- 7. The interface between platelet membrane fatty acid composition, blood serum malondialdehyde and percentage of platelet-leukocyte aggregates formation in healthy men.** *Inga Bikulčienė, Orinta Golubevaitė, Vytautas Žėkas, Mantas Radzevičius, Dovilė Karčiauskaitė, Rėda Matuzevičienė, Vaiva Hendrixson, Arvydas Kaminskas, Zita Aušrelė Kučinskienė*
- 8. Analysis of circulating tumor DNA in patients with locally advanced breast cancer.** *Anastasiia Pryvalova*
- 9. Susceptibility of gram-negative rods to metallic nanoparticles.** *Viktoriiia Holubnycha*
- 10. The effect of prostatic stones on the immunophenotype of prostate cancer cells.** *Roman Moskalenko*
- 11. Apigenin extraction from fresh Elsholtzia ciliata herb.** *Lauryna Pudžiuvėlytė, Valdas Jakštis, Liudas Ivanauskas, Mindaugas Marksa, Jurga Bernatoniėnė*
- 12. Efficacy of storing of isolated porcine kidneys with Biolasol solution modified with the addition of prolactin.** *Aneta OstróŹka-Cieślík, Barbara Dolińska, Florian Ryszka*



13. ***In vitro* antimicrobial activity of *Tuttha Bhasma* in comparison with Gentamicin and Amphotericin B.** *Anita Mahapatra, Brahmananda Mahapatra*
14. **Pharmaceutical availability of liposomal vitamin C incorporated into hydrogel formulations for topical application.**
Beata Sarecka-Hujar, Hanna Józefiak, Barbara Dolińska
15. **Mast cells-nerve interactions in gut mucosa.**
Jurijs Markovs, Ivars Melderis, Gundega Knipše, Agate Galuza
16. **Computational assessment of candidate SNP markers of proteasomal genes for multiple sclerosis association studies in Latvian population.**
Ilva Trapiņa, Gatis Melkus, Natālija Paramonova, Nikolajs Sjakste
17. **Comparison of *VHL* gene mutational status in clear cell renal cell carcinoma primary cell cultures.** *Marija Samoviča, Kārlis Pleiko, Kristaps Krims-Dāvis, Kārlis Mičulis, Egils Vjaters, Una Riekstiņa*

BASIC MEDICAL SCIENCE & PHARMACY (II)

Chairs: Una Riekstiņa, Vadims Parfejevs

18. **Bacteria and yeast differentiating analysis using spectrophotometry.**
Roberts Lozins, Dzintars Ozoliņš
19. **Changes in eye axial length one year after laser correction surgery.**
Varvara Kuple, Jana Gertnere, Igors Solomatins
20. **Detection of vancomycin resistance in enterococcus species isolated from clinical samples; phenotypic vs genotypic identification.**
Iveta Līduma, Andrejs Petuhovs, Annija Krikščūne, Tatjana Tračevska
21. **Evaluation of dna damage in whole blood and peripheral mononuclear cells of multiple sclerosis patients.** *Vitalijs Borisovs, Natalija Lebedeva, Elina Leonova, Larisa Baumane, Jolanta Kalnina, Natalia Mjagkova, Nikolajs Sjakste*
22. **Expression of CA9 biomarker in patient derived clear cell renal carcinoma cells.**
Kristaps Krims-Dāvis, Kārlis Pleiko, Kārlis Mičulis, Egils Vjaters, Una Riekstiņa
23. **Human eye axial length changes depending on induced short term defocus.**
Elīza Avotiņa, Viktorija Maļugina, Jānis Baltraitis, Igors Solomatins
24. **Macular pigment optical density in school-age children.**
Kristīne Šmiukše, Gunta Krūmiņa
25. **One-year results of corneal collagen crosslinking for progressive keratoconus: visual acuity and keratometry changes.** *Inta Balode, Jana Gertnere, Igors Solomatins*
26. **Presence of human parvoviruses among blood donors in Latvia**
Anna Terentjeva, Anda Vilmane, Santa Rasa, Zaiga Nora-Krukle, Modra Murovska
27. ***PSMA6* gene expression level in multiple sclerosis patients and control individuals.**
Kristīne Ošiņa, Natalia Paramonova, Jolanta Kalniņa, Nikolajs Sjakste



28. **Studies of DNA integrity in DMT1 patient's lymphocytes.**
Evīta Rostoka, Rūta Plaude, Jeļizaveta Sokolovska, Nikolajs Sjakste
29. **Effects of gammapyrone on expression of proteins participating in glucose homeostasis in streptozocin-induced Alzheimer's disease model-rats.**
Aleksandra Gžibovska, Karīna Narbute, Vladimirs Piļipenko, Baiba Jansone, Vija Kluša
30. **Elastase, collagenase and hyaluronidase inhibitory activity of *Vaccinium* spp. berry pomace extracts.** *Vera Morkovska, Reinis Rembergs, Kaspars Jēkabsons, Kristīne Saleniece, Linards Kļaviņš, Līga Saulīte, Māris Kļaviņš, Ruta Muceniece*
31. ***In vitro* antioxidant and acetylcholinesterase inhibitory properties of *Vaccinium* spp. berry press-residue extracts.** *Reinis Rembergs, Kaspars Jēkabsons, Linards Kļaviņš, Līga, Saulīte, Māris Kļaviņš, Ruta Muceniece*
32. ***In vitro* study of efficacy of antimicrobials in combination with polyherbal extracts using Checkerboard method.**
Baiba Zandersone, Ilona Mandrika, Somit Kumar, Valdis Pirags, Iveta Liduma, Arnolds Jezupovs, Sintija Sauša, Agnese Zvaigzne, Sujith Subash Eranezath, Tatjana Tračevska
33. **Incorporation of polyprenol and provitamin paste microemulsions into topical formulations and their study on healthy volunteers.**
Ilona Vanaga, Līga Žūka, Uģis Klētnieks, Baiba Jansone
34. **The antimicrobial activity of eight essential oils against ESBL *Escherichia coli* isolated from pigs.** *Daiga Gāliņa, Tatjana Tračevska, Anda Valdovska*

INTERNAL MEDICINE & INFECTIOUS DISEASE

Chairs: Jeļizaveta Sokolovska, Kristīne Ducena

35. **Age estimation from sternal end of 4th rib in the population of Latvia.**
Agate Galuza, Guntars Grauss, Sergejs Krasilņikovs
36. **Association between dietary factors and clinical parameters in type 1 diabetes in Latvia.** *Jana Baranova, Sanita Vaivode, Valdis Pīrāgs, Jeļizaveta Sokolovska*
37. **Bioimpedancemetry in the practice of sports medicine doctor.** *Olga Pavlova*
38. **Bronchial reactivity in adults with diabetes type 2.** *Agnese Ozola, Gunta Strazda, Normunds Jurka, Olga Madaja, Immanuels Taivans, Valentīna Gordjušina*
39. **Characteristics of metabolic syndrome in patients with hyperuricemia.**
Giedrē Smaliukaitē, Viktorija Selskaitē, Jolita Badarienē
40. **Correlation between migraine and autoimmune thyroiditis.**
Natālija Agejeva, Denis Jevdokimov, Ligita Smeltere
41. **Correlation of bone marrow and peripheral blood changes in lymphoma patients.**
Dana Cmaka, Sigita Hasnere
42. **Diabetic retinopathy. Types and association with other microvascular complications in patients with type 1 diabetes mellitus.** *Lelde Ullase, Kristīne Ducena, Dace Markevica*



43. **Neuropeptide Y and angiotensin 2 as markers of neurovascular interplay in type 1 diabetes mellitus.** *Jeļizaveta Sokolovska, Juris Stefanovičs, Gita Krieviņa, Leonora Pahirko, Jānis Valeinis, Vita Rovīte, Valdis Pīrāgs, Pēteris Trejākovs*
44. **Pain in patients with *Hidradenitis suppurativa*, association with DLQI and PGA severity scale.** *Zane Činokajeva, Ilze Upeniece*
45. **Prevalence of hyperuricemia and gender specifics in middle aged Lithuanian adults with metabolic syndrome.** *Giedrė Smaliukaitė, Viktorija Selskaitė, Jolita Badarienė*
46. **Quality of life in first-time rheumatic patients in Latvia.** *Ilva Bikanova, Anda Kadiša*
47. **The choice of treatment and neurological outcomes for patients after acute cerebral infarct in *a. cerebri media*.** *Marta Nalivako, Ligita Smeltere, Renārs Erts*
48. **Thrombocytosis in non-small cell lung cancer patients.** *Katrina Bandere, Līna Lazdiņa, Sigita Hasnere, Renārs Erts*
49. **Labor planning management for HIV positive patients in Latvia: type of labor depending on viral load, vertical transmission prevention.** *Elīna Gelderiņa, Liene Timule, Gita Jansone, Dace Rezeberga*
50. **The spectrum of clinical manifestations of syphilis mono-infection and other sexually transmitted diseases coinfection patients.** *Anna Voiskovica, Anastasija Mosina, Ilona Hartmane*
51. **Urinary catheter use in University Hospital in Latvia.** *Voita Ieva, Urbēna Jeļena, Dumpis Uga, Vilde Aija*
52. **Acute kidney injury association to creatinine and high-sensitivity troponin measurement changes after cardiac surgery.** *Evita Tjarve, Inese Folkmane, Mārtiņš Kalējs, Jekaterina Zaprivoda*

GASTROENTEROLOGY & GASTROINTESTINAL ONCOLOGY

Chairs: Jānis Misiņš, Jānis Fridrihons

53. **The quality of life assessment in patients with severe (grade II-III, IV) esophageal achalasia after laparoscopic Heller myotomy and Dor fundoplication.** *Kristīne Žarkova, Igors Ivanovs, Jānis Pāvulāns*
54. **Accuracy of the serum biomarkers in the detection of atrophic gastritis in Kazakhstan population.** *Linda Mežmale, Inese Poļaka, Dace Rudzīte, Aiga Rudule, Ilze Kikuste, Sergejs Paršutins, Sergejs Isajevs, Inga Bogdanova, Altybek Tazedinov, Niyaz Malayev, Dmitrij Musinksij, Darhan Samentaev, Ramis Samsutdinov, Tatjana Belihina, Nurbek Igissinov, Mārcis Leja*
55. **Cholelithiasis in Kazakhstan: some incidence aspects.** *Sauirbay Sakhanov, Sarsemby Koblandin, Saken Kozhakhmetov, Nurbek Igissinov*



56. **Clinical indicator association with severity of acute and acute recurrent pancreatitis, preliminary data.** *Baiba Lauma Briede, Anna Jana Bernšteine, Nora Aleksīna, Imanta Ozola-Zālīte, Aldis Puķītis*
57. **Epidemiologic features of prevalence of colorectal cancer in big cities in Kazakhstan.** *Akmaral Oralbay, Saurbay Sakhanov, Saken Kozhakhmetov, Nurbek Igissinov*
58. **Spacio-temporal epidemiological aspects of esophageal cancer development in Kazakhstan.** *Darkhan Kerimkulov, Kozhakhmetov Saken, Nurbek Igissinov*
59. **Experience of using fecal immunochemical tests (FIT) in local group of patients with high-risk of colorectal cancer (CRC).** *Ekaterina Melnikova, Igor Maev, Tatiana Kryukova, Iulia Reutova*
60. **Cartogram of liver cancer incidence in Kazakhstan.** *Almas Akanov, Saken Kozhakhmetov, Nurbek Igissinov*
61. **The assessment of malnutrition in inflammatory bowel disease patients.** *Tereze Hermine Roshofa, Polina Zalizko, Laila Meija, Aldis Pukitis*
62. **Next generation sequencing derived miRNA signatures for active ulcerative colitis.** *Vytautas Kiudelis, Simonas Juzenas, Jurgita Skieceviciene, Violeta Salteniene, Juozas Kupcinskas, Gediminas Kiudelis, Laimas Jonaitis, Georg Hemmrich-Stanisak, Zhipei Du, Matthias Hübenenthal, Andre Franke, Limas Kupcinskas*
63. **Prevalence of liver steatosis and its association with severity of chronic pancreatitis.** *Kristīne Tutāne, Madara Lase, Laura Sausiņa, Imanta Ozola-Zālīte, Aldis Puķītis*
64. **Association between gastroesophageal reflux disease, gastric atrophy and *Helicobacter pylori* infection in Latvia.** *Danute Razuka-Ebela, Inguna Ebela, Inese Polaka, Sergej Parshutin, Daiga Santare, Raul Murillo, Rolando Herrero, Jin Young Park, Marcis Leja*
65. **Views of family physicians on follow-up care of colorectal cancer patients.** *Jānis Barloti, Vilnis Sosārs*

CARDIOVASCULAR MEDICINE

Chairs: Gustavs Latkovskis, Ainārs Rudzītis

66. **Diastolic dysfunction of the left ventricle in the development of chronic heart failure.** *Olga Zherko*
67. **Differences in stress, anxiety and depression by gender and age of cardiovascular patients in Latvia.** *Sandra Seimane, Georgijs Nesterovičs, Helēna Turauska, Madara Lietuviete, Madara Runge, Dagnija Vidomska, Lilian Tzivian, Gustavs Latkovskis*
68. **Evaluation of clinical outcomes of surgical treatment of atrial fibrillation at the time of concomitant cardiac surgery in Paula Stradins Clinical University Hospital.** *Agnese Ņikitina, Diāna Kalniņa, Kaspars Kupics*
69. **The effect of radiofrequency catheter ablation of premature ventricular complexes.** *Ieva Serbentaitė, Ieva Ramanauskaitė, Gediminas Račkauskas, Germanas Marinskis*



70. **Evaluation of cognitive disorders in patients with cardiovascular diseases.**
Madara Runge, Madara Lietuviete, Sandra Seimane, Gustavs Latkovskis
71. **FFR_{CT} potential in preoperative evaluation of patients undergoing elective carotid artery surgery.** *Jurijs Sushanacevs, Edgars Zellāns, Gustavs Latkovskis, Indulis Kumsārs, Roberts Leibuss, Ligita Zvaigzne, Dainis Krieviņš*
72. **Predictors of acute kidney failure after open-heart surgery on infrarenal aorta.**
Samko Kristina, Savkin Nikolay, Petrova Ksenia, Isakova Alina; Ivanov Michael
73. **Evaluation of impact of some risk factors on severity of coronary artery disease in Ukrainian patients with STEMI.**
Oksana Pogorielova, Ihor Martsovenko, Liudmyla Prystupa

PAEDIATRICS

Chairs: Inguna Ebela, Sarmīte Kupča

74. **Comparing quality of life in healthy children according to KIDSCREEN questionnaire in Latvia.** *Sandra Feierābende, Kristīne Kurtiņa, Ingrida Rumba-Rozenfelde*
75. **Frequency of colic depending on the type of feeding during the first year of life.**
Karina Kvitkova, Marija Šmeļova, Ilva Daugule
76. **Dental situation according to international caries detection and assessment system of preschool children in Latvia.** *Gayani Herath, Dace Priede, Sergei Parshutin, Dace Arkliņa, Valdis Folkmanis, Lilian Tzivian, Baiba Roze, Ieva Henkuzena*
77. **Trends of live-born twins by gestational age and birth weight in Latvia, 2000 to 2016.**
Irisa Zile, Inguna Ebela, Ingrida Rumba-Rozenfelde
78. **Physical development of premature children during the first year of life.**
Jeļena Rusakova, Ilva Daugule
79. **Use of electronic devices at bedtime and the influence on sleep hygiene and daytime sleepiness.** *Marta Celmiņa, Egija Mičule, Anna Romanova, Ilva Daugule*
80. **Use of smart devices in 6 – 36 months old children in Latvia.**
Kristīne Sіндеcka, Marta Celmiņa, Karīna Romanova, Egija Mičule, Paula Branta, Elīna Voitehoviča, Zanda Lāse, Artis Lapsiņš, Valdis Folkmanis
81. **Vaccination coverage in prematurely born and born at term children in Latvia.**
Carolina Vurmaz, Ilva Daugule
82. **Forecasting of kidney damage in neonates with asphyxia.** *Andrii Loboda*



SURGERY, ANAESTHESIOLOGY & INTENSIVE CARE

Chairs: Igors Ivanovs, Kristaps Atstupens

83. **Assesing the risk of pelvic organ dysfunction in the postpartum period.**
Patricija Bīlande, Elīna Voitehoviča, Sniedze Krūmiņa, Zane Pilsētniece
84. **Assessment of vital functions after neurosurgical interventions.**
Zita Gierasimovic, Violeta Butkevic
85. **Extragenital pathology among pregnant women with uterine myomas as a risk factor during the pregnancy delivery and postpartum period.** *Katsiaryna Rimaido*
86. **Hospitalization duration and treatment for hip fractures in Lithuanian hospitals in 2001–2010.** *Ernesta Antropik, Marija Tamulaitiene, Monika Kvedaraite, Asta Mastaviciute, Julius Jaramavičius, Vidmantas Alekna*
87. **Impact of chronic venous disease on quality of life: first results of patients undergoing different type of treatment of chronic venous disease.** *Anna Ūdre, Patrīcija Ivanova, Artūrs Ligers, Jānis Rozentāls, Kaspars Staudžs, Pēteris Gerke, Ints Ūdris*
88. **Leukocytosis and CRP in patients with Aneurysm of Abdominal Aorta treated with Endovascular Aneurysm Repair.**
Niko Turkka, Patricija Ivanova, Aina Kratovska, Sanita Ponomarjova, Vitalijs Zvirgzdins
89. **The addition of common peroneal nerve block to femoral triangle block for postoperative analgesia in patients undergoing total knee arthroplasty.**
Vadims Zils, Sigita Kazune
90. **Efficiency of rehabilitation for patients with miofascial syndrome.**
Olga Jakovļeva, Inese Kokare
91. **Effect of Dexamethasone administration on the duration of analgesia using sciatic nerve block after lower leg and foot surgery.**
Kārlis Tapinš, Aleksejs Miščuks, Inta Čerņavska, Iveta Golubovska
92. **A temporary bypass used in anastomosis of major vessels without stopping blood flow in the segment under repair.** *Eugeniy Trunin, Alexander Smirnov, Maria Nazarova, Vladislav Tatarkin, Artur Ovsepyan, Shakir Kudlachmedov, Pavel Sizov*
93. **A topological classification of the superior mesenteric vein affluent branches.**
Eugeniy Trunin, Alexander Smirnov, Gleb Mashevsky, Rustem Topuzov, Azat Nazmiev, Artur Ovsepyan, Yulia Timakova, Pavel Sizov, Emina Kartakaeva



PUBLIC HEALTH & NURSING

Chairs: Ina Mežiņa-Mamajeva, Lilian Tzivian, Romualds Ražuks

94. **Insufficient physical activity as one of the risk factors for cardiovascular disease.**
Shuba Vladyslav, Shuba Kateryna, Vladyslav Smiyanov
95. **Remote medical service to improve quality medical care at the level of primary health care facility.** *Vladislav Smiyanov, Natalia Dryha*
96. **Scientific justification of need to change the population nutrition system in Ukraine.**
Vladislav A. Smiyanov, Natalia A. Galushko
97. **Bladder Cancer Survival Trends in Latvia in 1990–2017.** *Ērika Bitiņa Barlote, Juris Plonis, Vinita Cauce, Egils Vjaters, Jānis Gardovskis, Edvīns Miklaševičs*
98. **Evaluation of brucellosis incidence in Kazakhstan.**
Fariza Nurmash, Daulet Baibossynov, Nurbek Igissinov
99. **Civil liability of a hospital. Insight into the scope of article 1782 of Latvian civil code.**
Martins Osis
100. **Central nervous system cancer in Kazakhstan: regional incidence trends.**
Kuanysh Kusmanov, Sairbay Sakhanov, Alikhan Tautayev, Nurbek Igissinov
101. **Malignant tumors of eye and adnexa in Kazakhstan: epidemiological aspects.**
Gulnur Slyamova, Fariza Nurmash, Samal Zhanenova, Nurbek Igissinov
102. **Limitations to safeguard the right to health care of children and adolescents suffering from emergency psychiatric conditions in the Riga region.**
Marina Losevich, Solvita Olsena, Alexander Losevich
103. **Age- and sex- related peculiarities of the incidence of lung cancer in Kazakhstan.**
Eleonora Telibay, Zhanna Karbayeva, Nurbek Igissinov
104. **Medical and geographical variability of incidence of melanoma skin in Kazakhstan.**
Yerkezhan Gazizova, Aigerim Mukazhanova, Zhanel Begungutova, Ardak Omarbekov, Nurbek Igissinov
105. **Opportunities of kinesiological taping in the prevention of sports injury in athletes powerlifting.** *Olga Pavlova*
106. **Breast cancer in Kazakhstan: Changes in consequences of screening?**
Alikhan Tautayev, Asem Toguzbayeva, Arailym Kamzabek, Zarina Bilyalova, Nurbek Igissinov
107. **The significance of hand hygiene training of medical staff in the formation of proper hand hygiene skills.** *Zita Gierasimovic, Aldona Mikaliukstiene*
108. **Evaluating of the common preanalytical blood sampling mistakes made by nursing staff in clinical laboratory.** *Natalja Jerdiakova, Aldona Mikaliūkštienė*
109. **Motivation to provide first aid.** *Agnese Puķīte, Miķelis Puķītis*
110. **Aspects of Organ Donation in Latvia.** *Inguna Vītiņa, Laura Vīksna, Dagnija Gulbe*



111. **The use of physician's personal experience and example in medical practice.**
Mantas Grigutis, Ieva Mazeikaite, Valerijus Morozovas, Vytautas Kasiulevicius
112. **On prostate cancer incidence in Kazakhstan.**
Isa Mustafa, Aidyn Uderbay, Angsar Rysbekuly, Nurbek Igissinov
113. **Public knowledge of possible weight loss methods.** *Guna Bilande, Maksims Mukans*
114. **Assessment of the quality criteria fulfillment of the rehabilitation process according to the patient satisfaction questionnaire data.**
Aleksandrs Talanovs, Jevgēnijs Šusts, Inese Kokare
115. **Study on the safety climate in Latvian Hospitals: the first evidences.**
Eviņa Palceja, Reinis Upenieks, Lilian Tzivian, Valdis Folkmanis, Juris Barzdins
116. **The application of doctor's personal medical experience in treatment of children and adults.**
Mantas Grigutis, Ieva Mazeikaite, Valerijus Morozovas, Vytautas Kasiulevicius
117. **The comparison of ankle injury rate in professional volleyball players and general population in Latvia.** *Kamila Pankova, Marija-Darja Avelidi, Julija Zamotkina*
118. **The evaluation of keratoconus patients' quality of life.**
Sanita Līduma, Gunta Krūmiņa
119. **Trends of age-specific incidence rates of cancer of the corpus uteri in Kazakhstan.**
Aizhan Bakytzhanova, Moldir Mukyshbekova, Gulnura Igissinova, Nurbek Igissinov
120. **Years of life lost as a result of road traffic injuries in the republic of Kazakhstan.**
Zhanel Begungutova, Alma Aubakirova, Sergey Kim, Nurbek Igissinov
121. **About the mortality of road traffic accidents in Kazakhstan.**
Zhanel Begungutova, Alma Aubakirova, Sergey Kim, Nurbek Igissinov

MENTAL HEALTH

Chairs: Inta Zīle, Andis Užāns

122. **Prescription opioids addiction: Peculiarities of consumption and demography.**
Gabija Valauskaite, Robertas Badaras
123. **Quality of life and lifestyle of medical students.**
Matej Žnidarič, Zlatka Rakovec-Felser, Lucijan Lučič Šrajer, Iza Zavodnik
124. **The Association of Depression among Patients of Hepatitis C Virus Taking Direct Antiviral Agent.** *Muhammad Kamran Hanif Khan, Faisal Rafique Ahmad*
125. **The impact of emotional intelligence on burnout syndrome among medical students and resident doctors in Latvia.** *Agija Kalve, Andis Užāns*