



JESSENIUS FACULTY
OF MEDICINE IN MARTIN
Comenius University
Bratislava

44th STUDENTS' SCIENTIFIC CONFERENCE



PROGRAM

April 26, 2023

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PROGRAM AT GLANCE

Date: April 26, 2023

Place: Aula A Novomeského 9, Martin
 Aula B Novomeského 9, Martin

Registration: April 26, 2023, from 7.30 or before the beginning of your section

Opening ceremony (Aula A) 08.00 – 08.10

Aula A

Section of Clinical Disciplines 1	08.10 – 9.45
<i>- coffee break</i>	
Section of Pre-clinical Disciplines	10.00 – 11.15
<i>- coffee break</i>	
Section of Non-medical Study Programmes	11.25 – 13.10

Aula B

Section of Clinical Disciplines 2	08.10 – 09.45
<i>- coffee break</i>	
Section of Theoretical Disciplines 1 st part	10.00 – 11.15
<i>- coffee break</i>	
Section of Theoretical Disciplines 2 nd part	11.25 – 12.25

Award ceremony (Aula A) 13.30

Duration of lectures: 8 minutes, discussion: 4 minutes

Language: Slovak, Czech, or English

Section of Clinical Disciplines 1 (Aula A, 8.10 – 9.45)

1. GENE EXPRESSION CHANGES IN SIGNALLING PATHWAYS RELEVANT IN CELIAC DISEASE

Kristián Demčík, Zuzana Kolková^{1,2}, Zora Lasabová³

¹Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

²Clinic of Children and Adolescents, University Hospital Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

³Department of Molecular Biology and Genomics, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

2. OLFACTORY DYSFUNCTION IN PARKINSON'S DISEASE

Simona Holkovičová, Milan Grofík¹, Natália Huňarová², Martin Kolísek², Egon Kurča¹

¹Clinic of Neurology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

²Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

3. ANTIBIOTIC PROPHYLAXIS BEFORE MINI-INVASIVE PROCEDURES IN KIDNEY TRANSPLANT RECIPIENTS - YES OR NO?

Andrej Kollár, Ivana Dedinská, Patrícia Kleinová

Department of Internal Medicine I, University Hospital Martin

and Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

4. EVALUATION OF COGNITIVE DYSFUNCTION IN PATIENTS WITH SCLEROSIS MULTIPLEX

Nina Kováčiková, Ema Kantorová, Egon Kurča, Ján Grossman

Clinic of Neurology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

5. EFFECT OF THE 6-FOOD ELIMINATION DIET ON THE VARIOUS ASPECTS OF METABOLISM AND WELLBEING IN HEALTHY VOLUNTEERS

Sophia Christine Lilgová, Peter Lipták¹, Eva Baranovičová²

¹Clinic of Gastroenterological Internal Medicine, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

²Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

6. EXPRESSION OF TdT PROTEIN IN DIFFUSE LARGE B-CELL LYMPHOMA AND HIGH-GRADE B-CELL LYMPHOMA WITH DOUBLE/TRIPLE REARRANGEMENTS OF MYC, BCL2 AND/OR BCL6 GENE

Andrej Štefák, Katarína Lešková

Department of Pathological Anatomy, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

7. RESULTS OF CORRECTIVE OSTEOTOMY FOR MALUNITED DISTAL RADIUS FRACTURES

Adéla Kolářová¹, Ján Palčák²

¹Faculty of Medicine and Dentistry, Palacky University Olomouc

²Department of Traumatology, Faculty of Medicine and Dentistry, Palacky University Olomouc and University Hospital Olomouc, Czech Republic

8. FOREIGN BODY ASPIRATION IN CHILDREN: MULTIVARIATE ANALYSIS OF THE PROGNOSTIC VALUE OF CLINICAL AND RADIOLOGICAL FINDINGS

Tomáš Bernát¹, Irina Goljerová, Dimitrios Paouris²

¹Faculty of Medicine, Comenius University in Bratislava

²Department of Paediatric Otorhinolaryngology MF and NICHD

coffee break

Section of Pre-clinical Disciplines (Aula A, 10.00 – 11.15)

1. PARTICIPATION OF BITTER TASTE RECEPTORS (TAS2R) IN MAST CELL SIGNALING PATHWAYS

Lucia Cipková, Martina Šutovská, Jozef Mažerik

Department of Pharmacology, Biomedical Center Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

2. MENTAL "WELL-BEING" – THE EFFECT OF NEUROFEEDBACK

Andrea Geregová, Nikola Ferencová, Zuzana Višňovcová

Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

3. INDUCED PLURIPOTENCY, CELL ENGINEERING AND LITTLE HEROES DONATING BLOOD MAKE IT POSSIBLE TO MODEL DUCHENNE MUSCULAR DYSTROPHY IN VITRO

Martin Reháč¹, Dominika Hajdúchová², Stanislava Suroviaková³, Ján Strnádel¹,

¹Laboratory of Flow Cytometry, Cell Phenotyping and Engineering (Cellphie), Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

²Department of Pathophysiology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava,

³Department of Pediatric Neurology, University Hospital Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

4. IN VITRO MODULATION OF THE MITOCHONDRIAL PHYSIOLOGY IN INITIAL STAGES OF NEURODEGENERATION

Rebeka Rovňaníková, Michal Pokusa

Department of Pathophysiology, Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

5. ANALYSIS OF NEURODEGENERATIVE CHANGES IN THE BRAIN OF PATIENTS WITH MIYOSHI-TYPE DYSFERLINOPATHY

Katharina Maria Šebáková, Petra Hnilicová

Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

6. SMOKELESS TOBACCO PRODUCTS USE IN MEDICAL STUDENTS

Monika Zjavková, Tibor Baška

Department of Public Health, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

coffee break

Section of Non-Medical Study Programmes (Aula A, 11.25 – 13.10)

1. KANGAROO MOTHER CARE FOR THE PRETERM INFANTS

Katarína Baránková, Lucia Mazúchová

Department of Midwifery, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

2. TEAMWORK IN NURSING

Žaneta Hrbková, Dominika Kohanová

Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

3. MISSED NURSING CARE IN NEONATOLOGY

Branislav Malý, Dominika Kohanová

Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

- 4. PROFESSIONALISM IN COMMUNITY CARE**
Viktória Maslišová, Katarína Žiaková
Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 5. CARE OF THE CENTRAL VENOUS CATHETER AT A STANDARD TREATMENT UNIT**
Paulína Miháliková, Edita Hlinková
Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 6. THE MENTAL HEALTH QUALITY OF SELECTED HEALTH SCIENCES STUDENTS**
Patrícia Neupauerová, Viera Švihrová
Department of Public Health, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 7. BARRIERS TO NURSES REPORTING ADVERSE EVENTS**
Martin Petruščák, Dominika Kohanová,
Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 8. EFFECTIVITY OF PSYCHOEDUCATION FOR PATIENTS WITH SCHIZOPHRENIA**
Liliana Valachovičová, Martina Tomagová
Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 9. ADHERENCE IN A PATIENT WITH POLYPHARMACOTHERAPY**
Miroslava Výbošťoková, Ivana Bóriková
Department of Nursing, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

Section of Clinical Disciplines 2 (Aula B, 8.10 – 9.45)

- 1. PHARMACOGENETICS OF RIVAROXABAN**
Vladimír Doboš, Juraj Sokol, Jana Žolková
Department of Haematology and Transfusion Medicine, National Centre of Haemostasis and Thrombosis, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 2. EARLY AND LATE ONSET OF SCLEROSIS MULTIPLEX AND ITS IMPACT ON THE DISEASE DEVELOPMENT**
Sára Dudášová, Ema Kantorová, Egon Kurča
Department of Neurology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

3. SELECTED METABOLIC ABNORMALITIES ASSOCIATED WITH OBSTRUCTIVE SLEEP APNEA

Terézia Kozáková, Jarmila Vojtková

Clinic of Children and Adolescents, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

4. RESIDUAL SLEEP APNEA IN CHILDREN

Alžbeta Majtanová, Anna Ďurdíková, Peter Ďurdík

Clinic of Children and Adolescents, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

5. MOLECULAR HETEROGENITY OF THE BREAST CARCINOMA

Michaela Mihalková, Lukáš Plank

Department of Pathological Anatomy, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

6. ENERGY METABOLISM IN CRITICAL ILLNESS

Tereza Ščurová, Milan Minarik

Department of Anesthesiology and Intensive Care Medicine, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

7. METABOLOME CHANGES IN HEALTHY VOLUNTEERS AND IN PATIENTS WITH GASTROESOPHAGEAL REFLUX DISEASE

Jana Vnučáková, Martin Ďuríček

Clinic of Gastroenterological Internal Medicine, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava, University Hospital Martin

8. PATHOLOGICAL FINDINGS OF KIDNEY TISSUE IN DECEASED COVID-19 PATIENTS

Vanessa Seibert, Pavel Babál

Institute of Pathological Anatomy, Medical Faculty, Comenius University in Bratislava

coffee break

Section of Theoretical Disciplines 1st part (Aula B, 10.00 – 11.15)

1. THE ROLE OF GABA-A RECEPTORS IN THE NUCLEUS TRACTUS SOLITARIII IN REGULATION OF COUGHING

Valeria Budošová, Michal Šimera, Ivan Poliaček

Department of Medical Biophysics, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

2. HIGH METHIONINE DIET AND ITS POSSIBLE INFLUENCE ON THE GUT-BRAIN AXIS

Michaela Fábryová, Mária Kovalská

Department of Histology and Embryology, Jessenius Faculty of Medicine in Martin,
Comenius University in Bratislava

3. PREDICTING THE RESPONSE OF CHRONIC MYELOID LEUKEMIA PATIENTS TO TREATMENT WITH TYROSINE KINASE INHIBITORS: IN VITRO ANALYSIS OF SELECTED SIGNALING MOLECULES OF BCR::ABL1 POSITIVE LEUKEMIA CELLS

Michal Lacek¹, Divoký² V, Faber² E

¹Department of Biology, LF UP in Olomouc

²Department of Hemato-Oncology FNOL

4. BYSTANDER EFFECT ON THE BRAIN AND LIVER AFTER FRACTIONATED SPINAL CORD IRRADIATION OF AGING RATS

Mihailo Mijatović, Soňa Báľentová

Department of Histology and Embryology, Jessenius Faculty of Medicine in Martin,
Comenius University in Bratislava

5. COGNITIVE ASPECTS OF EMOTIONAL REGULATION IN THE CONTEXT OF BILINGUAL LANGUAGE PROCESSING: A NEUROPSYCHO-LINGUISTIC PILOT STUDY

Kevin Ľuboslav Patráš, Anna Barnau

Department of Foreign Languages, Jessenius Faculty of Medicine in Martin,
Comenius University in Bratislava

6. HYPERHOMOCYSTEINEMIA AND ITS EFFECT ON THE VASCULAR SYSTEM OF SELECTED ORGANS

Katarína Poliaková, Mária Kovalská

Department of Histology and Embryology, Jessenius Faculty of Medicine in Martin,
Comenius University in Bratislava

coffee break

Section of Theoretical Disciplines 2nd part(Aula B, 11.25 – 12.25)

7. MEASUREMENT OF THE ELECTROMAGNETIC FIELD DISTRIBUTION IN THE ENVIRONMENT OF THE CELL CULTURE INCUBATOR

Petra Sakslová, Jakub Míšek, Ján Jakuš

Department of Medical Biophysics, Jessenius Faculty of Medicine in Martin, Comenius
University in Bratislava

- 8. BUDESONIDE DELIVERED BY HIGH-FREQUENCY OSCILLATORY VENTILATION AS A POTENTIAL TREATMENT OF ACUTE RESPIRATORY DISTRESS SYNDROME**
Jakub Topolan, Nikolett Nemcová, Pavol Mikolka
Department of Physiology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 9. EVALUATION OF ANTINEOPLASTIC EFFECTS OF PLANT NATURAL SUBSTANCES IN BREAST CANCER MODEL**
Ester Vlčková, Lenka Koklesová, Peter Kubatka
Department of Medical Biology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 10. MAGNETIC RESONANCE SCANNING VS. COMPUTED TOMOGRAPHY AND THEIR USE IN CLINICAL MEDICINE**
Michal Vyparina¹, Nadežda Višňovcová¹, Oliver Štrbák²
¹Department of Medical Biophysics, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
²Laboratory of Metabolomics, Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
- 11. CLINICAL ANATOMY OF THE THYROID GLAND, ADJACENT STRUCTURES AND ITS CLINICAL CORRELATIONS**
Iryna Zavhorodnia, Gabriela Hešková, Desanka Výbohová
Department of Anatomy, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava

Award ceremony (Aula A, 13.30)



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