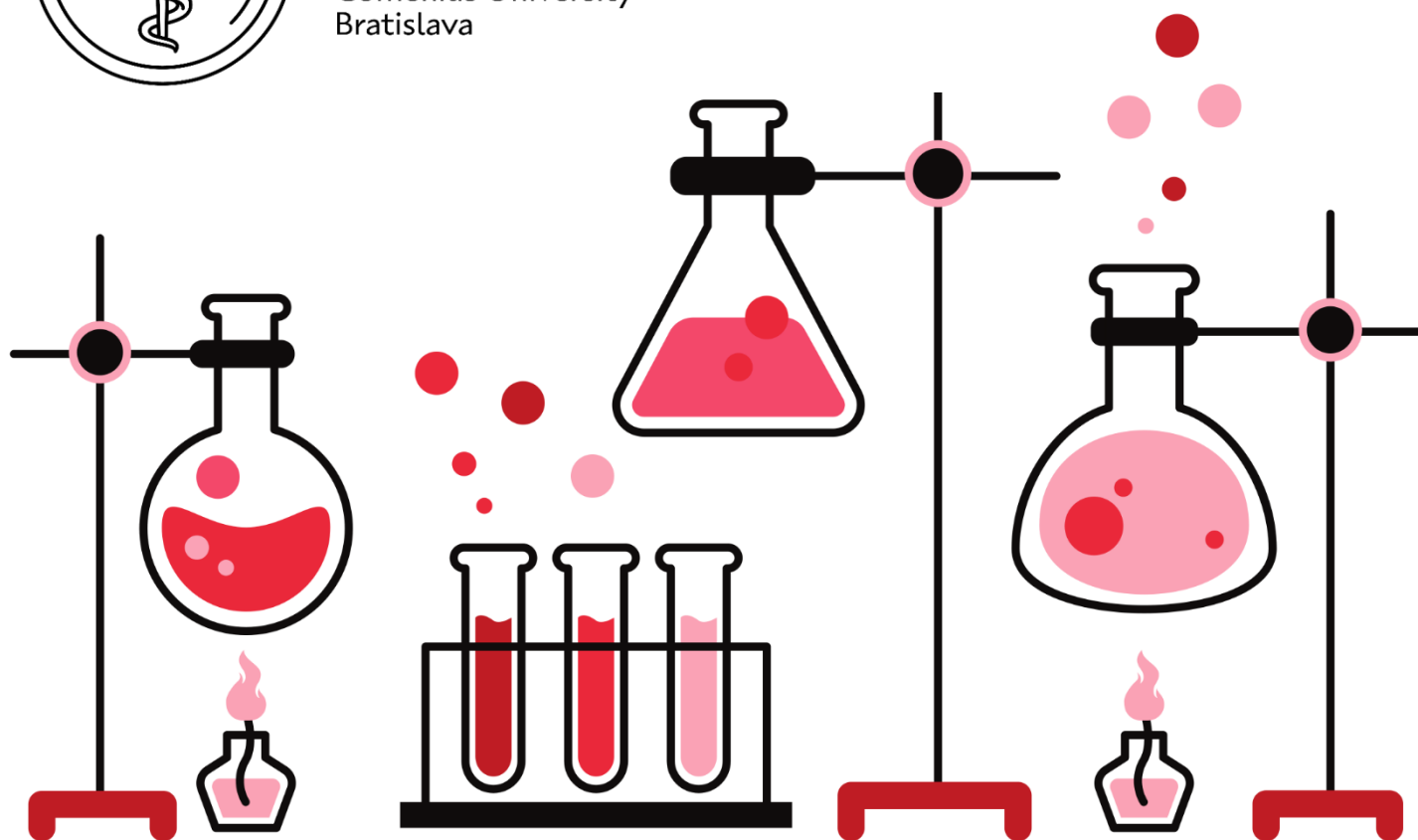




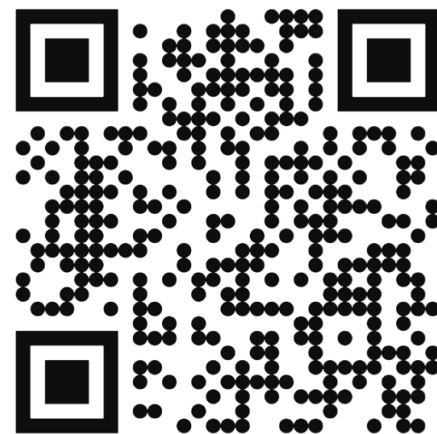
JESSENIUS FACULTY
OF MEDICINE IN MARTIN
Comenius University
Bratislava



46th STUDENTS' SCIENTIFIC CONFERENCE

APRIL 23, 2025

PROGRAM



ŠVOČ
JESSENIHOVA LEKÁRSKA FAKULTA UK V MARTINE
WWW.SVOC.JLFUK.SK



NOVARTIS



VÚB BANKA
Intesa Sanpaolo Group



CONGRESS COMMITTEE

Prof. Andrea Čalkovská, MD., DrSc.

Dean

Jessenius Faculty of Medicine, Comenius University, Martin

Prof. Štefan Sivák, MD., PhD.

First Vice-Dean and Vice-Dean for Research, Science Development, and
Postgraduate Study

Jessenius Faculty of Medicine, Comenius University, Martin

Assoc. Prof. Michal Šimera, RNDr., PhD.

Chairman of the Organization Committee of the Student Scientific Conference

ORGANIZATION COMMITTEE

Ľubica Bánovčinová, MS., PhD.

Tomáš Buday, MD., PhD.

Ivan Farský, MS., PhD.

Prof. Štefan Sivák, MD., PhD.

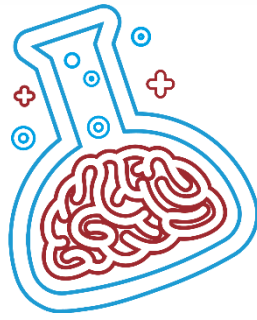
Prof. Juraj Mokrý, MD., MS., PhD.

Assoc. Prof. Michal Šimera, RNDr., PhD.

Pavol Mikolka, RNDr., PhD.

Marcel Veterník, M.Eng., PhD.

Denisa Beriková, MS.



ŠVOČ
JESSEŇOVA LEKÁRSKA FAKULTA UK V MARTINE
WWW.SVOC.JLFUK.SK

PROGRAM AT GLANCE

Date: April 23, 2025

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

Registration: April 23, 2025, from 7.30 or before the beginning of your section

Opening ceremony (Aula A) 08.00 – 08.10

Aula A

Section of Clinical Disciplines 08.15 – 09.50

- *coffee break*

Section of Clinical Disciplines 10.00 – 11.25

- *coffee break*

Section of Pre-clinical Disciplines 11.40 – 13.40

Aula B

Section of Theoretical Disciplines 08.15 – 10.30

- *coffee break*

Section of Non-Medical Study Programmes 10.45 – 13.00

Awards ceremony (Aula A) 14.00

Duration of lectures: 8 minutes, discussion: 4 minutes

Language: Slovak, Czech, or English

Section of Clinical Disciplines (Aula A, 08.15 – 09.50)

1. ROTATIONAL THROMBOELASTOMETRY IN THE PERIOPERATIVE MANAGEMENT OF CONGENITAL COAGULOPATHY

Jana Bátková, Tomáš Šimurda

Department of Haematology and Transfusiology, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

2. PROGNOSTIC FACTORS OF MALIGNANT MELANOMA

Tibor Blaha, Eva Minariková, Karolína Vorčáková

Department of Dermatovenerology, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

3. THE ANALYSIS OF DYSF-ZNF638 GENETIC VARIANT IN ASSOCIATION WITH RISK AND PROGRESSION OF MULTIPLE SCLEROSIS

Michaela Fábryová, Daniel Čierny

Department of Clinical Biochemistry,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

4. SPECIFICS OF FATAL GUNSHOT INJURIES IN THE NORTHERN REGIONS OF THE SLOVAK REPUBLIC

Terézia Fodorová, Richard Sivulič

Department of Forensic Medicine and Medicolegal Expertise, University Hospital Martin
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

5. OPERATIVE TREATMENT OF CHRONIC SUBDURAL HEMATOMA

Ján Haluška, Branislav Kolarovszki

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

6. EPIDEMIOLOGY OF MYOPIA IN CHILDREN – COMPARISON OF URBAN AND RURAL POPULATIONS

Lívia Janíková¹, Juraj Halička¹, Michal Javorka²

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

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

- 7. MANAGEMENT OF PERSISTENT PATENT DUCTUS ARTERIOSUS IN THE IMMATURE NEONATE**
Sofia Javornícka, Tomáš Jurko
Clinik of Neonatology, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava
- 8. DISORGANISATION OF INNER RETINAL LAYERS (DRIL) AS A PROGNOSTIC FACTOR IN PATIENTS WITH EPIRETINAL MEMBRANE**
Lukáš Jureček¹, Juraj Halička^{1,2}, Michal Javorka³
¹Clinic of Ophthalmology, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava
²Eye Clinic UVEA
³Department of Physiology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

coffee break

Section of Clinical Disciplines (Aula A, 10.00 – 11.25)

- 9. THE IMPACT OF A "ONE TEAM" APPROACH ON CARDIOVASCULAR COMPLICATIONS IN THE EARLY POST-TRANSPLANT PERIOD**
Adrián Knazovický¹, Andrej Kollár^{1,2}, Matej Samoš¹, Ivana Dedinská^{1,2}
¹ Clinic of Internal Medicine I., University Hospital Martin,
Jessenius Faculty of Medicine, Comenius University Bratislava
² Department of Transplantation and Nephrology, University Hospital Martin
Jessenius Faculty of Medicine, Comenius University Bratislava
- 10. ADULT PHENOTYPE OF OBSTRUCTIVE SLEEP APNEA IN CHILDREN**
Karin Kocsisová, Anna Ďurdíková, Peter Ďurdík
Clinic of Children and Adolescents, University Hospital Martin,
Jessenius Faculty of Medicine, Comenius University Bratislava
- 11. THE USE OF MOBILE APPLICATIONS IN THE DIFFERENTIAL DIAGNOSIS OF TREMOR**
Libor Kollár, Milan Grofik, Richard Hulej, Egon Kurča
Clinic of Neurology, University Hospital Martin,
Jessenius Faculty of Medicine, Comenius University Bratislava
- 12. EVALUATION OF LEFT ATRIAL STRAIN IN PATIENTS WITH CLASS III OBESITY**
Viktória Papcunová, Jakub Jurica, Martin Jozef Péč
Clinic of Internal Medicine I., University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

13. DETECTION OF BTLA AS PREDICTIVE BIOMARKER FOR IMMUNOTHERAPY OF PATIENTS WITH DIFFUSE LARGE B-CELL LYMPHOMA (DLBCL)

Andrej Štefák, Lukáš Plank

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

14. EVALUATION OF ROBOTIC-ASSISTED AND LAPAROSCOPIC APPROACHES IN THE SURGICAL TREATMENT OF COLORECTAL CANCER

Paula Vašinová, Miroslav Slezák

Clinic of Surgery and Transplant Center, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

15. THE CAUSES AND CIRCUMSTANCES OF DEATHS OF INDIVIDUALS IN LAWFUL DETENTION WITHIN THE DISTRICT OF THE DEPARTMENT OF FORENSIC MEDICINE IN MARTIN FROM 2005 TO 2024

Michal Vyparina, Veronika Rybárová

Department of Forensic Medicine and Medicolegal Expertise, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

coffee break

Section of Pre-Clinical Disciplines (Aula A, 11.40 – 13.40)

1. DETECTION OF SELECTED TRANSCRIPTION FACTORS AND CD MARKERS EXPRESSED BY NEW IN VITRO MODEL FOR DUCHENNE MUSCULAR DYSTROPHY

Adela Bláhová¹, Ján Strnádel¹, Dominika Hajduchová²

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

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

2. TRANSCRIPTION PROFILE OF MOUSE CUTANEOUS NEURONS – PRURICEPTORS VS NOCICEPTORS

Natália Bražinová, Barbora Vajglová, Ivana Baranová, Danica Jurčáková

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

3. CHEMICAL PROFILE AND BIOLOGICAL EFFECT OF VACCINIUM GLYCOCONJUGATES ON COUGH AND AIRWAY REACTIVITY

Lucia Cípková¹, Martina Šutovská¹, Peter Capek²

¹Department of Pharmacology, Biomedical Center Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

²Institute of Chemistry, Slovak Academy of Sciences, Center for Glycomics

4. DIFFERENCES IN BREATHING PATTERNS BETWEEN SPECIFIC PATHOGEN-FREE GUINEA PIGS AND CONVENTIONAL GUINEA PIGS

Laura Sophie Ertl, Tomáš Buday

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

5. THE BIOCOMPATIBILITY OF A NOVEL MESOPOROUS SCAFFOLD WITH HUMAN CELLS

Richard Kulich, Bibiána Baďurová, Henrieta Škovierová

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

6. MOLECULAR CHARACTERIZATION OF THE CERVICAL MICROBIOME COMPOSITION

Lucia Macková¹, Andrea Hornáková¹, Zuzana Kolková¹, Erik Kozubík², Kamil Biringer², Erik Kúdela², Tomáš Rokos², Veronika Holubeková¹

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

²Clinic of Gynaecology and Obstetrics, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

7. CHARACTERIZATION OF A NEW CELL LINE ISOLATED FROM MEDULLARY COLON CARCINOMA

Martin Reháč¹, Ján Strnádel¹, Olga Chodelková²

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

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

8. MODULATION OF PATHOGENESIS MIMICKING NEURODEGENERATION THROUGH REGULATION OF POTASSIUM HOMEOSTASIS IN A CELLULAR MODEL

Rebeka Rovňaníková, Michal Pokusa

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

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

9. IMPROVING THE EFFECTIVENESS OF DIRECT ORAL ANTICOAGULANT THERAPY BY DRUG LEVEL MONITORING

Andrea Trojanová, Nela Žideková¹, Lucia Babálová², Vladimír Nosál², Martin Kertys³

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

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

³Department of Pharmacology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

10. NEUROBIOLOGICAL MODEL OF PERSONALITY IN ANOREXIA NERVOSA

**Dagmar Wagnerova¹, Nikola Ferencova^{1,2}, Zuzana Visnovcova², Igor Ondrejka³,
Ingrid Tonhajzerova¹**

¹Department of Physiology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

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

³Psychiatric Clinic, University Hospital Martin, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

Section of Theoretical Disciplines (Aula B, 08.15 – 10.30)

1. EFFECT OF MAGNESIUM AND TRPM7 CHANNEL ACTIVITY MODULATORS ON THE TRANSCRIPTION OF GENES ENCODING MAGNESIUM TRANSPORT SYSTEMS

Adam Klčo¹, Mária Brodňanová², Michal Cibulka^{1,3}

¹Department of Medical Biochemistry, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

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

³Institute of Clinical Immunology and Medical Genetics, University Hospital Martin,
Jessenius Faculty of Medicine in Martin, Comenius University Bratislava

2. SEX-RELATED DIFFERENCES IN THE INFLUENCE OF GLOBAL BRAIN ISCHEMIA ON THE LIVER PARENCHYMA

Štefan Brežný, Mária Kovalská

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

- 3. HEART RATE ASYMMETRY AND MENTAL HEALTH AND INTEGRITY OF THE KIDNEY**
Petra Golecová¹, Zuzana Višňovcová¹, Nikola Ferencová^{1,2}, Ingrid Tonhajzerová²
¹Biomedical Centre Martin, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
²Department of Physiology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
- 4. EFFECT OF CODEINE ON COUGH IN THE PONTINE RESPIRATORY GROUP IN CATS**
Marek Laheye, Michal Šimera, Ivan Poliaček
Department of Medical Biophysics, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
- 5. APPLICATION OF A PLURILINGUAL APPROACH IN LEARNING FOREIGN LANGUAGES AND MEDICAL TERMINOLOGY USING ARTIFICIAL INTELLIGENCE**
Daniel Marčok, Anna Barnau
Department of Foreign Languages, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
- 6. SEX-DEPENDENT DISPERITY IN PLACENTAL INFLAMATION IN DIABETIC MOTHERS**
Max Mrštík, Kateřina Čížková
Department of Histology and Embryology, Faculty of Medicine and Dentistry,
Palacky University Olomouc, Czech Republic
- 7. NEURODEGENERATION OF CEREBELLUM IN EXPERIMENTAL GLOBAL BRAIN ISCHEMIA**
Matúš Pántik, Mária Kovalská
Department of Histology and Embryology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
- 8. EXPERIMENTALLY INDUCED HISTOLOGICAL AND COGNITIVE CHANGES IN THE BRAIN AFTER EXPOSURE TO IONIZING RADIATION**
Jakub Rendvanský, Soňa Báľentová
Department of Histology and Embryology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
- 9. OVERWEIGHT AND EARLY ATHEROSCLEROTIC CHANGES**
Daniela Sykorová¹, Nikoleta Mažgútová^{1, 2}
¹Department of Physiology, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava
²Biomedical Center Martin, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

10. ROLE OF HPV-ASSOCIATED EARLY PROTEINS IN PROGRESSION OF THE CERVICAL LESIONS (PRELIMINARY STUDY)

Martina Šeligová, Veronika Mešťanová

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

11. EXPRESSION OF SELECTED GENES ASSOCIATED WITH ARDS AFTER SURFACTANT SUBSTITUTION THERAPY

Monika Ševčíková, Nikolett Nemcová, Pavol Mikolka

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

coffee break

Section of Non-Medical Study Programmes (Aula B, 10.45 – 13.00)

1. COMPARISON OF HEALTH LITERACY BETWEEN ROMA WOMEN AND MAJORITY WOMEN IN THE CONTEXT OF PREGNANCY, CHILDBIRTH AND POSTPARTUM CARE

Zuzana Činčurová, Lucia Mazúchová

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

2. ANALYSIS OF REGIONAL DIFFERENCES OF TRENDS OF OBESITY AND OVERWEIGHT OCCURENCE IN SCHOOLCHILDREN IN SLOVAKIA IN 2010 – 2022

Nikola Gajdošová, Eva Malobická

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

3. HEALTH SCREENING IN RURAL COMMUNITIES IN MADAGASCAR AND THE REPUBLIC OF CONGO

Klára Jarešová, Petra Macounová

Department of Epidemiology and Public Health, Faculty of Medicine, University of Ostrava

4. ANALYSIS OF REGIONAL DIFFERENCES OF TRENDS OF SELECTED DIETARY HABITS IN SCHOOLCHILDREN IN SLOVAKIA IN 2010 – 2022

Alžbeta Martinková, Eva Malobická

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

- 5. THE EXPERIENCE OF NURSES WORKING IN A HOSPITAL WITH TURNOVER WITHIN THE PROFESSION**
Martin Petruščák, Martina Tomagová
Department of Nursing, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

- 6. ASSESSMENT OF FATIGUE IN ELDERLY ADULTS**
Katarína Podhradská, Ivana Bóriková
Department of Nursing, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

- 7. BREASTFEEDING IN PUBLIC – PUBLIC ATTITUDES**
Mária Stanková, Erika Maskálová
Department of Midwifery, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

- 8. PUBLIC HEALTH IMPORTANCE OF SELECTED CONTAMINANTS IN DRINKING WATER**
Sarah Straková, Miroslava Sovičová
Department of Public Health, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

- 9. QUALITY OF LIFE OF THE PATIENTS IN THE LONG-TERM CARE FACILITIES**
Nina Šimičáková, Radka Kurucová
Department of Nursing, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

- 10. PARENTAL ROLES THROUGH THE EYES OF FATHERS**
Silvia Škaldová, Ľubica Bánovčinová
Department of Midwifery, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

- 11. PARENTAL ROLES THROUGH THE EYES OF FATHERS**
Annamária Závodská, Zuzana Škodová
Department of Midwifery, Jessenius Faculty of Medicine in Martin,
Comenius University Bratislava

Awards ceremony (Aula A, 14.00)

TITLE SPONZORS



PRESENTING SPONZORS

