



MORPHOLOGY 2013

43rd INTERNATIONAL CONGRESS
OF THE SLOVAK ANATOMICAL SOCIETY

50th LOJDA SYMPOSIUM ON HISTOCHEMISTRY

BOOK OF ABSTRACTS



Martin, June 4 - 6, 2013



**43rd INTERNATIONAL CONGRESS OF THE SLOVAK
ANATOMICAL SOCIETY**

50th LOJDA SYMPOSIUM ON HISTOCHEMISTRY

under the Auspices of

Slovak Medical Association

Slovak Anatomical Society

Slovak Society for Histochemistry and Cytochemistry

Association of Physicians of Martin

**Jessenius Faculty of Medicine in Martin Comenius University
in Bratislava**

organized by

Institute of Anatomy
JFMED in Martin CU in Bratislava

and co – organized by

Institute of Histology and Embryology
JFMED in Martin CU in Bratislava

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Editors:

MUDr. Gabriela Hešková, PhD.

MUDr. Desanka Výbohová, PhD.



GENERAL INFORMATION

VENUE, REGISTRATION AND INFORMATION DESK:

Hotel Victoria, V. Žingora 9820, 036 01 Martin, Slovakia
<http://www.hotelvictoria.sk/>

OFFICE HOURS:

Tuesday: June 4, 2013 – 7.30 – 17.30
 Wednesday: June 5, 2013 – 7.30 – 17.30
 Thursday: June 6, 2013 – 7.30 – 12.00

PRESENTATION FORMS

Languages: Slovak, Czech, English

- **Lectures**

Plenary lectures – 20 minutes, lectures – 10 minutes, discussion – 5 minutes
 Speakers are kindly asked to hand in the presentations to the technician 10 minutes before the session begins.

- **Posters**

The size of poster boards is 100 cm (height) × 90 cm (width).
 Authors are asked to be present at posters during their poster session.

Equipment of the lecture hall

Data projector, Windows PC with CD-ROM/USB port will be installed in the lecture halls. Videos can be presented only through PowerPoint presentation. Wi-fi access to the internet will be available.

Congress is included in the SACCME system of credit evaluation and the participants will receive credits by the following manner:

passive participants:

04/06/2013 – 5 credits
 + 05/06/2013 – 6 credits
 + 06/06/2013 – 1 credit
12 credits totally

active participants:

(authors and two co-authors of the lectures, posters)
 like passive participants + extra credits - the first author –

10 credits
 co-authors – **5 credits**
(SACCME - Slovak Accreditation Council for Continuing Medical Education)

PROGRAMME

TUESDAY, June 4, 2013

Registration

7.30 – 15.30

Opening Ceremony

9.00 – 10.00

ANATOMY AND HISTOLOGY TEACHING

10.30 – 12.00

Chairs: Adamkov M., Mokry J.

Biasutto S. N.

CLINICAL AND CLINICALLY ORIENTED ANATOMY FOR MEDICAL STUDENTS

Mokry J.

ELECTRONIC COURSES IN TUITION OF HISTOLOGY AND EMBRYOLOGY

Kluchova D., Lovasova K., Bolekova A.

SYSTEMIC OR REGIONAL ANATOMY FOR DENTAL STUDENTS?

Baca V., Kachlik D., Bacova T., Otcenasek M., Grill R., Dzupa V.

CLINICAL ANATOMY TEACHING ON CADAVERS IN PREGRADUATE AND POSTGRADUATE MEDICAL EDUCATION

12.00 – 13.30

Lunch Break

13.30 – 14.30

CLINICAL ANATOMY AND HISTOLOGY TEACHING - ROUND TABLE

Chair: Biasutto S. N.

14.30 – 14.45

Coffee Break

14.45

Collective Photography



15.00 – 16.00

ONCOLOGY

Chairs: Adamkov M., Mellova Y.

Adamkov M., Furjelova M., Beseda A., Bencat M., Moravekova E., Drahosova S.
**CORRELATION OF MISMATCH REPAIR PROTEINS MLH1, MSH2,
 MSH6 AND PMS2 WITH ANTIAPOPTIC PROTEIN SURVIVIN IN
 COLON LESIONS**

Furjelova M., Kovalska M., Jurkova K., Adamkov M.
**IMPORTANCE OF HYPOXIA-INDUCIBLE CARBONIC ANHYDRASE IX
 IN BREAST CANCER**

El-Hassoun O., Valaskova Z., Jakubovsky J., Hulin I.
**MYELOID CELLS POLARIZATION IN TUMOR'S
 MICROENVIRONMENT**

16.00 – 17.30

POSTERS 1 – 24

18.30

*Welcome Party***WEDNESDAY, June 5, 2013**

8.30 – 12.00

Registration

9.00 – 10.00

NEUROSCIENCES

Chairs: Dubovy P., Mellova Y.

Balentova S., Hajtmanova E., Trylcova R., Lehotsky J., Adamkov M.
**RADIATION-INDUCED LONG-TERM ALTERATIONS
 IN THE FOREBRAIN UNDER EXPERIMENTAL CONDITIONS**

Dubovy P., Brazda V., Svizenska I., Klusakova I., Strejckova L.
**INFLAMMATORY ACTIVATION OF THE SATELLITE GLIAL CELLS
 IN THE DORSAL ROOT GANGLIA OF RAT EXPERIMENTAL
 NEUROPATHIC PAIN MODELS**

Joukal M., Klusakova I., Dubovy P.

**LIQUOR-NERVE BARRIER PERMEABILITY IN THE SPINAL NERVE
 ROOTS AND DORSAL ROOT GANGLIA INDICATED
 BY FLUORESCENT-CONJUGATED DEXTRAN**

Kovalska M., Kovalska L., Pavlikova M., Tatarikova Z., Adamkov M., Lehotsky J.
**MECHANISMS ASSOCIATED WITH INDUCED NEURONAL DEATH
 AND ISCHEMIC TOLERANCE**

10.00 – 10.30

Coffee Break

10.30 – 12.00

HISTORY AND VARIA

Chairs: Stingl J., Jakubovsky J.

Jakubovsky J., Totka A., El Hassoun O., Polak S., Bencat M.

**A FEW HISTORIC REMARKS REGARDING THE QUESTION
 OF PAPILOMATOSIS**

Stingl J., Doubkova A., Malinova P., Musil V., Suchomel Z., Vacha M.
**HISTORY OF SELECTED SKELETAL MUSCLES LATIN
 TERMINOLOGY**

Stuller F., Novomesky F., Krajcovic J., Straka L., Janik M., Komarekova I.
**FORENSIC OSTEOLOGY AND POSSIBILITIES OF IT'S USE
 IN THE MEDICOLEGAL PRACTICE**

Stiak P., Mellova Y.

ANATOMICAL AUTOPSY IN THE CONTEXT OF THE SLOVAK LAW

12.00 - 13.30

Lunch Break

13.30 – 15.30

CLINICAL ANATOMY AND HISTOLOGY

Chairs: Kubikova E., Varga I.

Kubikova E., Lamprou O., Lampraki V., Triantafyllidi VE., El Falougy H.,
 Selmečiova P.

BLOOD SUPPLY OF THE SUPRAMESOCOLIC PART



Kachlik D., Vymetalova K., Labos M., Baca V.
**DIFFERENCES BETWEEN ARTERIAL
 AND VENOUS CORONA MORTIS**

Lovasova K., Bolekova A., Sulla I.J., Sulla I., Kluchova D.
**CLINICAL ANATOMY OF THE ROOTS
 OF CRANIAL PARASYMPATHETIC GANGLIA**

Smorodinova N., Blaha M., Melenovska V., Kautzner J., Kucera T.
**FIBROSIS AND MICROVASCULAR DENSITY IN HUMAN ATRIAL
 WALL DURING ATRIAL FIBRILLATION**

Varga I., Slavikova T., Zabojsnikova L., Cingel V., Polak S.
**EMBRYOLOGICAL VIEW ON ASSOCIATED CONGENITAL
 ANOMALIES OF PATIENTS WITH MORBUS HIRSCHPRUNG
 FROM CHILDREN'S MEDICAL HOSPITAL IN BRATISLAVA**

15.30 – 16.00

Coffee Break

16.00 – 17.30

POSTERS 25 - 47

18.30

Social Party

THURSDAY, June 6, 2013

9.00 – 10.00

MORPHOGENESIS

Chairs: Adamkov M., Varga I.

Jurkova K., Varga I., Polak S., Kovalska M., Furljelova M., Adamkov M.
**HISTOMORPHOLOGICAL STUDY ON PRENATAL DEVELOPMENT
 OF THYMUS**

Varga I., Plank L., Zabojsnikova L., Cingel V., Babala J., Polak S.
**A CERVICAL THYMIC CYST – AN UNUSUAL CASE
 OF CONGENITAL ANOMALY OF THE THYMUS
 (HISTOLOGICAL AND IMMUNOHISTOCHEMICAL EXAMINATION
 OF ECTOPIC THYMIC TISSUE OF 7-YEAR-OLD BOY)**

10.30

Closing Ceremony

POSTERS

- Bacova T., Kolostova K., Sajdikova M., Strakosova K., Netukova M., Kachlik D., Baca V.
**NEW REMARKS TO VISUALISATION AND IDENTIFICATION
 OF IMMUNOCOMPETENT CELLS IN HUMAN CORNEA**
- Bolekova A., Spakovska T., Kluchova D., Tomasova L., Hvizdosova N., Lovasova K.
NADPH-d HISTOCHEMICAL STUDY OF THE RAT HIPPOCAMPUS
- Dorko F., Tokarcik F.
AUTONOMNÍ INERVACE BURSA CLOACALIS U PREPELÍČ
- Dosedelova H., Glocova K., MoravcovyBalkova S., Knotek Z., Tichy F., Buchtova M.
FORMATION OF TOOTH-BONE INTERFACE IN REPTILES
- El Falougy H., Selmecciova P., Theofilou G., Kubikova E.
**COMPARATIVE ANATOMY OF HUMAN, PORCINE
 AND DEER EYEBALL**
- Endlicher R., Drahotka Z., Kucera O., Mezera V., Cervinkova Z.
**THE EFFECT OF EPIGALLOCATACHIN GALLATE ON RESPIRATION
 OF ISOLATED RAT HEPATOCYTES AND ITS ANTIOXIDATIVE
 ACTION ON TERT-BUTYL HYDROPEROXIDE-INDUCED OXIDATIVE
 DAMAGE OF HEPATOCYTES**
- Guller L., Kopani M., Kubikova E., Durdik S., Jakubovskyy J.
**COMPARISON OF SIZE AND NUMBER OF THE SPLEEN LYMPHATIC
 FOLLICLES UNDER VARIOUS PATHOLOGIC CONDITIONS**
- Hajek P.
**NEW ELECTIVE SUBJECT IN PREGRADUATE STUDY
 OF GENERAL MEDICINE**
- Hesková G., Vybohova D., Mellova Y.
**EVALUATION OF THE SHAPE OF THE ROOF
 OF THE ETHMOID CELLS AND SPHENOID SINUS**



10. Hodorova I., Vecanova J., Mihalik J., Rybarova S.
IDENTIFICATION OF FUNCTIONAL AND NON-FUNCTIONAL P53
IN HUMAN NEPHROBLASTOMA BY P53 AND MDM2
IMMUNOHISTOCHEMISTRY
11. Hvizdosova N., Tomasova L., Bolekova A., Kolesar D., Kluchova D.
PREFRONTAL CORTEX OF 7-DAYS OLD RAT IN PHYSIOLOGICAL
DEVELOPMENT AND AFTER EXPOSURE TO VITAMIN A
12. Chylikova J., Kamarad V., Buzga M., Holeczy P., Dvorackova J., Vaculova J.
COMPARISON OF SUBCUTANEOUS ADIPOSE TISSUE MORPHOLOGY
USING THE METHODS OF CLASSICAL EXCISION AND FINE NEEDLE
BIOPSY
13. Klepacek I., Vampola T., Horacek J., Jirak D.
HUMAN GLOTTIS - RECONSTRUCTION BASED
ON MICRODISSECTION AND MRI+CT EXAMINATION
14. Klepacek I., Sibat A.
ABBOT SEKA SKULL – POSTMORTAL OR MALADY CHANGES
15. Klusakova I., Dubovy P.
INFLAMMATORY REACTIONS IN THE DORSAL ROOT GANGLIA
OF RATS WITH PACLITAXEL-INDUCED NEUROPATHIC PAIN
16. Kubikova E., Lamprou O., Lampraki V., Triantafyllidi V.E., El Falougy H.,
Selmectova P.
BLOOD SUPPLY OF THE SUPRAMESOCOLIC PART
17. Kucera T., Smorodinova N., Cohen-Addad D., Ben-David C., Pridal, J.,
Durisova M., Blaha M., Melenovsky V., Kautzner J.
INFLAMMATORY CELLS IN HUMAN ATRIAL SAMPLES
FROM PATIENTS WITH ATRIAL FIBRILLATION
18. Kunertova L., Mellova Y.
PONTICULUS POSTICUS
19. Madrova B., Klusakova I., Coufal J., Brazda V., Dubovy P.
TUMOR NECROSIS FACTOR ALPHA AND ITS RECEPTORS
UPREGULATION IN DORSAL ROOT GANGLIA OF RHEUMATOID
ARTHRITIS MODEL
20. Marcekova M., Nescakova E., Mellova Y.
CONGENITAL ANOMALIES OF THE UPPER LIMB
21. Maretta M. Jr., Toth S., Pingorova S., Jonecova Z.
IMMUNOLocalISATION OF INFLAMMATORY MEDIATORS IN ARDS
22. Maretta M. Jr., Toth S., Jonecova Z., Vesela J.
ACUTE JEJUNAL DAMAGE AFTER SMALL INTESTINE
ISCHEMIA/REPERFUSION INJURY
23. Maretta E., Maretta M.
IMMUNOLocalISATION OF SUPPORTING AND CONTRACTILE
CELLS AND FIBERS IN THE DOG PROSTATE
24. Maretta E., Maretta M., Legath J.
HISTOLOGICAL AND IMMUNOHISTOCHEMICAL CHANGES
IN THE PERITUBULAR TESTICULAR TISSUE OF RAT TESTIS
25. Matejcek V., Haviarova Z.
ANATOMICAL VARIABILITIES OF FORMATION AND COURSE
OF MUSCULOCUTANEOUS NERVE
26. Mechirova E., Danielisova V., Domorakova I., Janitorova M., Burda J.
BRADYKININ PRECONDITIONING GUIDES THE NUMBER
OF DEGENERATED NEURONS AND THE LEVEL OF ANTIOXIDANT
ENZYMES AFTER SPINAL CORD ISCHEMIA
27. Mellova Y., Vybohova D., Heskova G., Kunertova L., Marcekova M., Stiak P.
INTERACTION OF SOFT AND BONY STRUCTURES ON THE BASE
OF THE SKULL
28. Mihalik J., Danielisova V., Horvathova F., Vecanova J., Rybarova S.,
Hodorova I.
ACTIVITY OF ANTIOXIDANT ENZYMES IN RAT TESTICLE
AFTER DEPRENYL ADMINISTRATION
29. Moravcova Balkova S., Horakova D., Buchtova M.
MODULATION OF EVI-1 EXPRESSION IN CHICKEN EMBRYOS
30. Mrzilkova J., Zach P., Cermakova P., Kuitova M., Bartos A.
CHANGES OF VOLUME OF COMMISSURAL FIBRES ON MRI
IN AD PATIENTS



31. Musil V., Liskovec T., Pavlickova J., Suchomel Z., Malinova P., Vacha M., Kachlik D., Stingl J.
EIGHTH CRANIAL NERVE - CHANGES OF ITS NAME DURING THE TIME
32. Patzelt M., Musil V., Kachlik D., Sach J., Stingl J.
VASA VASORUM OF THE PORCINE CORONARY ARTERIES
33. Perzelova A., Sivakova I., Kubikova E., Mraz P.
CELLULAR HETEROGENEITY OF MALIGNANT BRAIN TUMOR
34. Polak S., Miko M., Kajanova M., Urban L., Varga I.
FUNCTIONAL MORPHOLOGY OF THE UTERINE TUBE – HISTOLOGICAL EXAMINATION OF 50 UTERINE TUBES OF WOMEN WITH DIFFERENT AGE AND WITH VARIOUS DIAGNOSES
35. Ragan L., Waczulikova I., Bilicky J., Guller L., Benuska J.
MINIMUM INTERCAUDATE DISTANCE – A RELIABLE MARKER OF ENLARGED BRAIN LATERAL VENTRICLES IN WOMEN
36. Rybarova S., Hodorova I., Vecanova J., Muri J., Mihalik J.
MONITORING OF P53 AND MDM2 IN HUMAN LUNG CANCER CELLS
37. Savvas K., Vazaios C., El Falounghy H., Selmečiova P., Kubikova E.
MACROSCOPICAL RELATIONS OF INTERNAL CAPSULE AND ITS CONNECTIONS
38. Selmečiova P., El Falougy H., Ferousis C., Kubikova E.
ANATOMY AND CLINICAL IMPORTANCE OF THE ROTATOR CUFF
39. Sivakova I., Perzelova A., Kubikova E., Mraz P.
IN VITRO STUDY OF LOW-GRADE ASTROCYTOMAS
40. Soukup T., Zurmanova J.
CORRELATION OF MYHC ISOFORM mRNA AND PROTEIN LEVELS. EFFECT OF ALTERED THYROID STATUS
41. Tokarcik J., Dorko F.
PREPARAČNÉ ČI ZOBRACOVACIE METÓDY V ANATÓMII
42. Tomasova L., Hvizdosova N., Bolekova A., Kolesar D., Kluchova D.
MORPHOLOGY OF NADPH- DIAPHORASE POSITIVE NEURONS IN THE RAT AMYGDALA AFTER PRENATAL EXPOSURE TO VITAMIN A
43. Varga I., Polak S., Mestanova V., Miko M., Adamkov M.
MORPHOLOGICAL CHANGES OF THE HUMAN THYMUS FROM THE 6TH UP TO 25TH WEEK OF PRENATAL DEVELOPMENT
44. Vecanova J., Hodorova I., Rybarova S.
DIFFERENTIATION BETWEEN WILD-TYPE AND MUTANT P53 BY EXPRESSION OF MDM2 IN HUMAN BREAST CARCINOMA
45. Vybohova D., Adamcova K., Adamkov M., Mellova Y., Heskova G.
IMMUNOHISTOCHEMICAL QUANTITATIVE EVALUATION OF THE CAPILLARY BED WITHIN THE PSORIATIC LESIONS IN VARIOUS TOPOGRAPHIC REGIONS
46. Vymetalova K., Kopecky J., Miletin J., Kachlik D., Dzupa V., Baca V.
AN ANGIOGRAPHIC STUDY ON ARTERIES WITH A HIGH RISK OF INJURY IN PELVIC FRACTURES
47. Weismanova E., Perzelova R., Cukasova A., Klacko M., Konecny M., Milly M., Weismann P.
THE DIFFERENT HR-HPV GENOTYPES DISTRIBUTION IN THE SLOVAK POPULATION SINCE 2004 TO 2012