

Czech Anatomical Society
Czech Society for Histo- and Cytochemistry
Palacký University in Olomouc
Faculty of Medicine and Dentistry in Olomouc

Programme

MORPHOLOGY 2015

49th International Congress of the Czech Anatomical Society
52nd Lojda Symposium on Histochemistry

September 6-8, 2015
Olomouc, Czech Republic

SUNDAY, SEPTEMBER 6, 2015

15.00–17.00 Registration
17.00–19.00 Opening Ceremony
Words of Welcome
Cultural program

Prof. Obručník memory dedicated lecture

Sedmera D
Elucidating cardiac conduction system formation with phylogenetic approaches

Winning lecture of the 2014 Czech Anatomical Society & Olympus Award

Oralová V, Matalová E, Janečková E, Drobná Krejčí E, Knopfová L, Šnajdr P, Tucker AS, Veselá I, Šmarda J, Buchtová M
Role of c-Myb in chondrogenesis

Winning lecture of the 2014 Czech Society for Histochemistry and Cytochemistry & Nikon Award

Kodet O, Lacina L, Krejčí E, Vlček Č, Šáchová J, Dvořánková B, Grim M, Štork J, Kodetová D, Kolář M, Strnad H, Smetana K
Melanoma cells influence the differentiation pattern of human epidermal keratinocytes

19.00–20.30 Welcome party

20.00 Meetings of the national committees of ČAS and ČSHC

MONDAY, SEPTEMBER 7, 2015

9.00–9.40

Plenary lectures

Chairs: Naňka O, Mlejnek P

9.00–9.20

Holibka V

Anatomy teaching at the medico-surgical school in Olomouc, 1782–1875

9.20–9.40

Druga R

The claustrum – history research

9.45–10.45

Stem Cells

Chairs: Smetana K, Ehrmann J

9.45–10.00

Smetana K Jr., Lacina L, Dvořánková B

Wound repair, ageing and cancer: challenge for new therapeutic modalities

10.00–10.15

Kvasilová A, Dvořánková B, Drobná Krejčí E, Smetana K, Grim M

Expression of some markers of stem cells and tissue-specific progenitors in human postnatal skin

10.15–10.30

Čížková D, Vávrová J, Mičuda S, Doleželová E, Brůčková L, Filip S, Mokřý J

Role of transplanted bone marrow cells in the skeletal muscle regeneration

10.30–10.45

Měšťanová V, Varga I, Bencat M, Adamkov M

Myoid cells of thymus in question of origin and function

10.45–11.15 Coffee Break

11.15–12.00 Plenary session of ČAS

12.00–12.10 Congress Photo

12.10–13.00 Lunch

13.00–14.15

Sessions in Section A

Neurosciences

Chairs: Mechírová E, Mazurová Y

13.00–13.15

Mazurová Y, Bezrouk A

Transgenic rat model of Huntington's disease – a useful tool for study of the development of progressive neuronal degeneration

13.15–13.30

Dubový P, Klusáková I, Korimová A, Joukal M, Hradilová-Sviženská I

Upregulation of Toll-like receptors after nerve injury and inflammatory signaling from Wallerian degeneration

13.30–13.45

Joukal M, Kuklová A, Solár P, Klusáková I, Dubový P
Kolmer cells and their immunophenotyping in the rat choroid plexus after peripheral nerve injury

13.45–14.00

Salaj M, Barinka F, Kubová H, Druga R

Differences in expression of calcium binding proteins in the perirhinal and retrosplenial cortex of the rat

14.00–14.15

Báľentová S, Hajtmanová E, Filová B, Borbelyová V, Lehotský J, Adamkov M

Cognitive and histopathological changes in the rat brain following fractionated irradiation

14.15–14.45 Coffee Break

14.45–16.00

Poster Sessions

Chairs: Smetana K, Dubový P

16.10–16.40 Plenary session of CSHC

13.00–16.00

Sessions in Section B

Teaching Morphology

Chairs: Ehrmann J, Kachlík D, Krajčí D

13.00–13.20

Ehrmann J, Lužná P, Čížková K

Role of histology in the era of molecular biology

13.20–13.35

Kachlík D, Štěpánková T, Musil V, Báča V

Anatomical eponyms

13.35–14.35

Round Table

Kachlík D, Slížová D, Lovásová K

Role of the anatomy practical teaching in current curriculum

14.35–16.00

E-Learning in Teaching Histology

14.35–14.50

Lichnovská R, Krajčí D (Mrs.), Erdosová B, Krajčí D
Teaching practical histology with digital (virtual) slides

14.50–15.05

Krajčí D (Mrs.), Lichnovská R, Edosová B, Krajčí D
Application of electronic testing in histology and anatomy practicals

15.05–15.25

Krajčí D, Kopečný T, Novotný R

A new system of electronic evaluation of results of PC-delivered tests

15.25–15.45

Krajčí D, Kylar P

GAMETIX – a new software for managing MCQ databases and creation of examination sheets

19.00 Dinner

TUESDAY, SEPTEMBER 8, 2015

9.00–10.15

Morphogenesis

Chairs: Stingl J, Rybárová S

9.00–9.15

Naňka O, Vicente-Steijn R, Blom NA, Jongbloed MRM, Sedmera D

Remodelling of atrioventricular canal myocardium determines atrioventricular conduction patterns

9.15–9.30

Čížková K, Rajdová A, Ehrmann J

CYP epoxygenases and their relevance for human prenatal development

9.30–9.45

Mlejnek P

ABC transporters and their role in the drug resistance

9.45–10.00

Pisal R

Cloning of synthetic intron into coding sequence of red fluorescent gene for confirmatory expression of micro RNA cloned within the intron

10.00–10.15

Šimůnková P, Djakow J, Cinek O, Vajner L, Uhlík J
Ultrastructural and videomicroscopic findings in patients with genetically proven primary ciliary dyskinesia

10.15–10.45 Coffee Break

10.45–11.30

Cardiovascular System

Chairs: Mokřý J, Kučera T

10.45–11.00

Stingl J, Pirk J, Straka Z, Setina M, Kachlík D, Stach J, Musil V

Morphology of vasa vasorum in the explanted bypassed saphenous veins

11.00–11.15

Kučera T, Smorodinova N, Rozsivalová K, Přidal J, Ďurišová M, Pirk J, Bláha M, Melenovský V, Kautzner J
Inflammatory cells in human atrial myocardium from patients undergoing open heart surgery

11.15–11.30

Tonar Z, Kochová P, Cimrman R, Perktold J, Witter K
Segmental differences in the orientation of smooth muscle cells in the tunica media of porcine aortae

11.30-12.15

Anatomy

Chairs: Slížová D, Druga R

11.30-11.45

Kachlík D., Hajek P, Konařík M, Bába V
Arteria brachioradialis - overview

11.45-12.00

Kachlík D, Blanková A, Bába V
Supernumerary carpal bones

12.00-12.15

Výborná E, Dorko F, Holibka V, Tokarčík J, Chylíková J
Historical overview of morphological studies of palatine tonsil

11.00-11.30

Histology practical room in the new Theoretical
Departments building, floor 2, room n. 2.540

Erdosová B, Krajčí (Mrs.), Lichnovská R, Krajčí D
A live demonstration of histology practical with digital
slides

12.10-13.30

Various Topics

Chairs: Laichman S, Kamarád V

12.15-12.30

Bonczek O, Šerý O, Hloušková A, Lochman J,
Izakovičová-Hollá L, Šoukalová J, Štembirek J, Mišek I,
Černochová P, Krejčí P, Vaněk J
Sequencing analysis of PAX9 and MSX1 genes in the
Czech population

12.30-12.45

Blažková Z, Oborná I, Filipčíková R, Bezdíčková M,
Hubáček P, Mlčoch M, Dobiáš M, Pastucha D
Pregnant woman as participants of traffic accident
in anatomical-clinical relation- research intent and
preliminary study

12.45-13.00

Horváthová F, Danielisová v, Kuchárová B, Solár P,
Rybárová S, Hodorová I, Mihalík J
The effect of deprenyl administration on antioxidant
status of rat testis

13.00-13.15

Ostrovská L, Vostejnova L, Džugan J, Slama P,
Kubina T, Ukraintsev E, Kralíčková M, Hubálek
Kabalcová M
The biological evaluation of ultra-fine titanium with
improved mechanical strength for tissue engineering

13.15-13.30

Überall I
Iconology of disease in Renaissance art

13.30

Closing Session

Authors of the best poster award

POSTERS

1. Beznoska P, Hrebíková H, Chvátalová J, Písal R, Čížková D, Díaz D, Mokřý J
Analysis of decellularized skeletal muscle scaffolds and their settlement by myogenic cells
2. Bludovská M, Křížková V, Kotyzová D, Kubíková T
Pleuran (beta-glucan from *Pleurotus ostreatus*) potentiates free radical induced hepatotoxic effects of hexavalent chromium in rats
3. Boleková A, Tomášová L, Hvizdošová N, Bona M, Lovásová K, Matéffy S, Kluchová D
Postnatal development of nitrenergic hippocampal neurons after prenatal influence of retinoic acid
4. Celá P, Shylo N, Weatherbee SD, Buchtová M
Transmembrane protein 107 is a critical factor for craniofacial development
5. Danková M, Mechírová E, Domoráková I, Janitorová Poliačiková M, Stebnický M
Pharmacological preconditioning: chance for formation of ischemic tolerance in rabbit's spinal cord
6. Domoráková I, Mechírová E, Danková M, Janitorová Poliačiková M, Stebnický M
Glial reaction in the spinal cord ischemia after noradrenaline preconditioning
7. Dorko F, Výborná E, Holibka V, Tokarčík J, Chyliková J, Hornáková L
Autonomic innervation of renal haemolymph node in rats
8. Dosedělová H, Veselá I, Krejčí P, Kunová M, Buchtová M
Morphological analysis of mouse skeleton following AZD4547 treatment
9. Gregová K, Tóth S, Bilecová-Rabajdová M, Kudláčková M, Kovalčíková S, Jonecová Z
The effect of quercetin on the expression of inflammatory mediators
10. Hodorová I, Fiala P, Mihalik J, Horváthová F, Rybárová S
Immunohistochemistry of colorectal carcinoma: expression of p53 and MDM2
11. Holanová V, Zahradníček O
Continuously regeneration dentition in anoline lizards: the model of postnatal teeth development leading to changes in tooth shapes and numbers
12. Hrebíková H, Chvátalová J, Díaz D, Beznoska P, Mokřý J
Naturally derived scaffold for skeletal muscle regeneration
13. Hvizdošová N, Tomášová L, Bona M, Matéffy S, Kluchová D
Retinoic acid in the development of the NADPH-d positive neurons in rat brain
14. Chvátalová J, Mokřý J, Hrebíková H, Písal R
Colonization of muscle scaffolds by different cell types
15. Chyliková J, Kamarád V, Výborná E, Dvořáčková J, Holéczy P
M1/M2 Macrophages polarization in white adipose tissue of morbid obese patients
16. Jirkovská M, Zuska K
The influence of maternal diabetes on proliferative potential of human term placenta
17. Jonecová Z, Tóth S, Maretta M, Gregová K, Varga J
Modification of apoptotic cell rate in the intestinal graft mucosa during cold preservation
18. Kikalová K, Kopecký M, Charamza J, Tomanová J, Zemanek P
Blood pressure of girls aged 10 to 18 with respect to intra-abdominal fat tissue
19. Killinger M, Veselá I, Buchtová M
Effect of WNT5a on chondrogenesis and limb development
20. Klepáček I, Shbat A, Zedníková-Malá P
Abbot Seka's cranial morphology and 2D reconstruction of his face with individual landmarks
21. Kolesová H, Čapek M, Janáček J, Sedmera D
Comparison of different tissue clearing methods for 3D imaging techniques in connexin40: GFP - expressing embryonic and adult mice
22. Kolinko Y, Cendelín J, Tonat Z, Králíčková M
Stereological assessment of cerebellum microcirculation in the Lurcher mice
23. Krajčí D (Mrs.), Lichnovská R, Erdőssová B, Kopečný T, Novotný R, Krajčí D
Evaluation of results of MCQ tests applied in electronic format
24. Kuklová A, Solár P, Joukal M, Klusáková I, Dubový P
Study of changes in the rat choroid plexus after peripheral nerve injury using fluorescent conjugated dextran
25. Langová P, Balková S, Buchtová M
Microarray analysis of mandible regionalization during mouse development

26. Lichnovská R, Krajčí D (Mrs.), Erdősová B, Krajčí D
Impact of E-learning format using virtual microscopy in practical histology sessions
27. Makovický P, Tůmová E, Makovický P, Rimárová K
The effect of food restriction on the liver morphology: experimental study on the chicken model
28. Matéffy S, Vecanová J, Tomášová L, Hvizdošová N, Rozprávková M, Pribulová J, Matušeuská M
Difference in description of topographic position of communicating branches in different medical literatures
29. Matušeuská M, Pribulová J, Rozprávková M, Redaj L, Ohlasová J, Matéffy S, Lovasová K, Kluchová D
Anatomy and pathological anatomy of periodontium depending to the state of oral health
30. Mechírová E, Gdovinová Z, Skorvanek M, Domoráková I, Danková M
Immunohistochemical visualization of α -synuclein in colonic lamina propria mucosae
31. Miklošová M, Dankovčik R, Herich R
Application of double staining method for fetal specimens
32. Oralová V, Matalová E, Knopřová L, Švandová E, Šmarda J, Buchtová M
A role of c-Myb in ossification
33. Pribulová J, Matušeuská M, Rozprávková M, Redaj L, Ohlasová J, Matéffy S, Lovasová K, Kluchová D
The variation in morphology of first upper premolar
34. Putnová B, Buchtová M, Jekl V, Hodan R, Machoň V, Štembirek J
Healing of soft and hard tissues of rabbit temporomandibular joint following the application of stem cells
35. Rejtarová O, Kuchař M, Eliáš P
Anatomical variations of popliteal artery - a possible case of lower limb ischaemia
36. Riedlová J, Paulová M, Vignerová J, Soumar J
Children of obese mothers in their first 18 months
37. Rozprávková M, Redaj L, Ohlasová J, Lovasová K, Matušeuská M, Pribulová J, Matéffy S, Kluchová D
Anatomical changes of temporomandibular joint in the aging process
38. Rybárová S, Hodorová I, Mihalik J, Vecanová J
Expression of carbonic anhydrase IX and its correlation with clinicopathological characteristics in lung cancer cells
39. Salaj M, Barinka F, Kubová H, Druga R
Differences in expression of calcium binding proteins in the perihinal and retrosplenial cortex of the rat
40. Sedláčková M, Anger M, Matiješčuková N
Intercellular junctions of corona radiata cells and oocyte in preovulatory period
41. Tokarčík J, Dorko F, Výborná E, Chyliková J, Bražina D
Interactive 3D Models
42. Tomašová L, Hvizdošová N, Šmajda B, Bona M, Matéffy S, Kluchová D
Various noxious factors and their effect on the developing nervous system
43. Tóth S, Maretta M, Gregová K, Šoltés J, Švaňa M, Pribula M, Kušnier M, Joncová Z
Regulatory action of quercetin on cyclooxygenase -2 in the model of ischemia/reperfusion injury of small intestine
44. Výbohová D, Mellová Y, Adamicová K
Blood and lymphatic microvascular changes in relation to VEGF-A and VEGF-C expression in psoriatic lesions
45. Wurst Z, Zach P, Ibrahim I, Bartoš A, Musil V, Patzelt M, Mrzílková J
Tractography of corpus callosum and gyrus cinguli in patients with Alzheimer's s Disease