


Czech Anatomical Society  
Czech Society for Histo-  
and Cytochemistry  
Charles University  
Faculty of Medicine  
in Hradec Králové

# MORPHOLOGY



## 2022

PROGRAMME  
ABSTRACTS



HRADEC KRÁLOVÉ, SEPTEMBER 11 - 13, 2022

**Czech Anatomical Society  
Czech Society of Histo- and Cytochemistry  
Charles University  
Medical Faculty in Hradec Králové**



## **MORPHOLOGY 2022**

**52nd International Symposium on Anatomy  
57th Lojda Symposium on Histochemistry**

### **Under the Auspices of**

Prof. MUDr. Milena Králíčková, Ph.D.  
Rector of the Charles University

Prof. MUDr. Jiří Mand'ák, Ph.D.  
Dean of Medical Faculty in Hradec Králové, Charles University

Prof. PharmDr. Alexandr Hrabálek, CSc.  
Mayor of the City of Hradec Králové

### **Honorary Committee**

J. Mokrý, O. Naňka, E. Mechírová, V. Tlapáková

### **Organizing and Scientific Committee**

D. Čížková, I. Frydrychová, P. Hájek, Y. Mazurová,  
J. Mokrý, D. Slížová, T. Soukup

### **Topics**

Neurosciences, Clinical Anatomy, Developmental Biology,  
Anthropology, Biomechanics, Oncology, Stem Cells, Teaching  
Morphology, Morphogenesis, Varia

**Hradec Králové, September 11 –13, 2022**

## ADDITIONAL OMENTUMS OF WHITE MALE RATS

**Maksymenko O.S.<sup>1</sup>, Hryn V.H.<sup>1</sup>**

<sup>1</sup>Poltava State Medical University, Ukraine Department of Human Anatomy

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The aim of the research is to investigate the general plan of the structure and principles of morphometric analysis of serous formations of the testicles of white male rats.

**Materials.** The experiment involved 15 white male rats of reproductive age, weighing from 284.6 to 334.08 grams.

**Results.** It has been determined that each testicle of white rats has serous (peritoneal derivatives) formations of two types. One of them is a typical mesentery, the other is a free growth of duplication of the serous membrane.

Through the narrow base of these serous formations, which can be called a stem or pedicle, starting from the head of the epididymis, blood vessels penetrate and radially branch in the duplication of this serous formation. This gives reason to call them radial vascular-fatty tracts.

The clear similarity between the structure of the greater omentum and the serous formations of rat testicles consists in the presence of tracery structure of intermediate zones between their radial vascular-fatty tracts, which in the omentum we called serous-reticular membrane, clearly coinciding in their architectonics.

The comparative analysis between the structure of the greater omentum and the serous formations of the testicles of white rats shows that they, according to the combination of identical tissue components in them, can be considered as homologous derivatives of the peritoneum. Based on this thesis, we consider it more correct than the existing terms in the literature to call these serous testicular formations epididymal omentums, as they begin with short stems or pedicles from the head of the epididymis of the corresponding testicle.

11:15 – 11:30

**Novotný T., Uhlík, J., Eckhardt A., Knitlová J., Doubková M., Ošťádal M.**

Tissue hypoxia – Newly detected pathway in the contracted tissue of the relapsed clubfoot

11:30 – 11:45

**Pierzynová A., Šrámek J.**

Histopathological view of crayfish plague

**10:45 – 11:45 Morphogenesis (Lecture Hall 1)**

**Chairs: Čížková K., Sedmera D.**

10:45 – 11:00

**Sedmera D., Vostárek F., Kvasilová A., Sanková B.**

Hemodynamic loading is required for development of pectinate muscles

11:00 – 11:15

**Maksymenko O.S., Hryn V.H.**

Additional omentums of white male rats

11:15 – 11:30

**Čížková K., Koubová K., Tauber Z.**

Peroxisome proliferator-activated receptor  $\alpha$  (PPAR $\alpha$ ) in intestinal cell differentiation

11:30 – 11:45

**Čelko M., Mokřý J., Králová M.**

Early healing of extraction wounds accelerated by autologous dentin.

**10:45 – 12:00**

**Workshop: Teach interactively - SmartZoom Classroom (Histology Pracical Classroom)**

**Chairs: Soukup T., Kašparová P.**

**12:00**

**Closing Ceremony (Main Lecture Hall)**

**CSHC Workshop**

**Tuesday, September 13, 2022**

**13:30 – 17:00 Processing Digital Microphotography I**

**Wednesday, September 14, 2022**

**9:00 – 14:30 Processing Digital Microphotography II**

**ibamed**

**HELAGO**