ČSKVCH - výsledek soutěže o nejlepší vědeckou práci za rok 2020

ANGIOCHIRURGIE

1. **Baláž Peter**

Peter Balaz1,2, Jennifer Hanko3, Hannah Magowan3, Agnes Masengu3, Katarina Lawrie1 and Stephen O’Neill3

The arteriovenous access stage (AVAS) classification.

Clinical Kidney Journal, 2020, 1–5, doi: 10.1093/ckj/sfaa189

Original Article

WoS: type article – **IF 2020 4,452**

1. **Novotný Róbert**

Robert Novotny ,**1** Pavel Mericka,**2** Jaroslav Chlupac,**1,3** Roman Matejka,**4** Jakub Kristek,**1,3,** Tomas Marada,**1** Miroslav Konarik,**5** Peter Ivak,**5** Lubomir Sterba,**2** Jaroslav Hlubocky,**6** Pirk,**5** Libor Janousek,**1** and Jiri Fronek**1,3**

The Effect of Different Thawing Rates on Cryopreserved Human Iliac Arteries Allograft’s Structural Damage and Mechanical Properties.

BioMed Research International

Volume 2020, Article ID 6545190, 7 pages, https://doi.org/10.1155/2020/6545190

WoS: type article - **IF 2020 3,411**

1. **Hrubý Jan**

Hruby J, Spunda R, Mericka P, Mlcek M, Pecha O, Splith K, Schmelzle M, Krenzien F, Lindner J, Spacek M, Matia I.:

Influence of the new standardized clinical cryopreservation/slow thawing protocol on immunogenicity of arterial allografts in rats.

PLOS ONE. 2020 Mar 10:15(3):e0230234.

WoS: type article – **IF 2020 3,240**

1. **Novotný Róbert**

Robert Novotny, MDa,∗, Jaroslav Chlupac, MDa,e, Jakub Kristek, MDa,e, Jan Pit’ha, MDb, Roman Chmel, MDc,Eva Sticova, MDd, Libor Janousek, MDa, Jiri Fronek, MDa,e

Uterus transplant graft’s arterial atherosclerotic remodeling veracity.

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WoS: type review – **IF 2020 1,889**

KARDIOCHIRURGIE

1. **Karalko Mikita**

Karalko M, Stejskal V, Dergel M, Gofus J, Timbilla S, Zaloudkova L, P Zacek, Marek Pojar and Jan Vojacek.

Histopathological changes in dilated ascending aorta associated with aortic valve cuspidity.

Eur J Cardiothorac Surg 2020; doi:10.1093/ejcts/ezaa440.

(Mikita Karalko, Vaclav Stejskal, Martin Dergel, Jan Gofus, Salifu Timbilla, Lenka Zaloudkova,

Pavel Zacek, Marek Pojar, and Jan Vojacek

Department of Cardiac Surgery, University Hospital Hradec Kralove and Charles University, Faculty of Medicine in Hradec Kralove)

WoS: type article – **IF 2020 4,191**

1. **Peter Ivak**

Peter Ivak, Ivan Netuka, Ivana Kralova-Lesna, Peter Wohlfahrt, Jan Pitha:

Changes in circulating stem cells and endothelial progenitor cells over a 12-month period after implantation of a continuous-flow left ventricular assist device.

Arch Med Sci 2020; 16 (6): 1440-1443. DOI <https://doi.org/10.5114/aoms.2020.100306>.

WoS: type letter – **IF 2020 3,318**

1. **Němec Petr**

Petr Němec , John Pepper and Petr Fila:

Personalized external aortic root support.

Interactive CardioVascular and Thoracic Surgery (2020) 1-4. Doi:10.1093/icvts/ivaa111.

WoS: type article **– IF 2020 1,905**

MONOGRAFIE

žádná nebyla do soutěže přihlášena

Prof. MUDr. Robert Staffa, Ph.D.

Vědecký tajemník ČSKVCH

Brno, 29. 9. 2021