

**Kapitoly v knižných odborných publikáciách vydaných doma**

ŠIMKO, F. - PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. Experimentálny model NO-deficitnej hypertenzie. V: J. Holzerová: Experimentálne modely chorôb, Univerzita Komenského Bratislava, ISBN, 2003, s. 68-71. (0,7)  
-nebola uvedená v správe za minulý rok

**Vedecké práce v časopisoch evidovaných v Current Contents**

BERNÁTOVÁ, I. - RIGATTO, K.V. - KEY, M.P. – MORRIS, M. Stress-induced pressor and corticosteron e responses in oxytocin defficient mice. In *Experimental Physiology*. Vol. 89, no. 5, 2004, p. 549-57. (IF-1,220)

FARAH, V.M. - JOAQUIM, L.F. – BERNÁTOVÁ, I. - MORRIS, M. Acute and chronic stress influence blood pressure variability in mice. In *Physiology and Behavior*. Vol. 83, no. 1, 2004, p.135-42. (IF-2,027)

JOAQUIM, L.F. – FARAH, V.M.- BERNÁTOVÁ, I. – FAZAN, R. JR. - GRUBBS, R. - MORRIS, M. Enhanced heart rate variability and baroreflex index after stress and cholinesterase inhibition in mice. In *American Journal of Physiology*. Vol. 287, no. 1, 2004, p. H251-257. (IF-3,658 - IF2003)

GEROVÁ, M. - TÖRÖK, J. - PECHÁŇOVÁ, O. - MATUŠKOVÁ, J. Rilmenidine prevents blood pressure increase in rats with compromised nitric oxide production. In *Acta Pharmacologica Sinica*. Vol. 25, no. 12, 2004, p.1640-6. (IF-0,884)

GEROVÁ, M. - TÖRÖK, J. Hypotensive effect of agmatine, arginine metabolite, is affected by NO synthase. In *Physiological Research*. Vol.53, no. 4, 2004, p.357-363. (IF 0.939)

GMUCOVÁ, K. – ORLICKÝ, J. – PAVLÁSEK, J. Non-Cottrell behavior of the dopamin redox reaction observed on the carbon fibre microelectrode by the double-step voltoulometry. In *Collect. Czech Chem. Commun.* Vol. 69, 2004, p. 419-425. (IF-1,041)

KRISTEK, F. - GEROVÁ, M. Hypotrophy of conduit artery walls of the offspring of nitric oxide-defective rats. In *Brazilian Journal of Medical and Biological Research*. Vol. 37, 2004, p.601-606. (IF-0,740)

PECHÁŇOVÁ, O. - DOBEŠOVA, Z. - ČEJKA, J. - KUNEŠ, J. - ZICHA, J. Vasoactive systems in L-NAME hypertension: the role of inducible nitric oxide synthase. In *Journal of Hypertension*. Vol. 22, no. 1, 2004, p.167-73. (IF-0,884)

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - BABÁL, P. - MARTINÉZ, M. - KYSELÁ, S. - ŠTVRTINA, S. - ANDRIANTSITOHAINA, R. Red wine polyphenols prevent cardiovascular alterations in L-NAME-induced hypertension. In *Journal of Hypertension*. Vol. 22, no. 8, 2004, p.1551-9. (IF- 0,884)

JAVORKOVÁ, V. - PECHÁŇOVÁ, O. - ANDRIANTSITOHAINA, R. - VRBJAR, N. Effect of polyphenolic compounds on the renal Na<sup>+</sup>,K<sup>(+)</sup>-ATPase during development and persistence of hypertension in rats. In *Experimental Physiology*. Vol. 89, no. 1, 2004, p.73-81. (IF-1,220)

KUNEŠ, J. - HOJNÁ, S. - KADLECOVÁ, M. - DOBEŠOVÁ, Z. - RAUCHOVÁ, H. - VOKURKOVÁ, M. - LOUKOTOVÁ, J. - PECHÁŇOVÁ, O. - ZICHA, J. Altered balance of vasoactive systems in experimental hypertension: the role of relative NO deficiency. In *Physiological Research*. Vol. 53, no. Suppl 1, 2004, p.23-34. (IF-0,939)

ŠIMKO, F. - MATUŠKOVÁ, J. - LUPTÁK, I. - KRAJČIROVIČOVÁ, K. - KUCHARSKÁ, J. - GVOZDJAKOVÁ, A. - BABÁL, P. - PECHÁŇOVÁ, O. Effect of simvastatin on remodeling of the left ventricle and aorta in L-NAME-induced hypertension. In *Life Sciences*. Vol. 74, no. 10, 2004, p.1211-24.

RUTTKAY-NEDECKÝ, I. Comparative dipolar electrocardiographic study of ventricular activation in *Macaca mulatta* monkeys and man. In: *Physiological Research* Vol.53, 2004, p. 143 -147. (IF-0,939)

#### **Vedecké práce in extenso v časopisoch mimo CC:**

KATINA, S. – ALMAŠIOVÁ, I. – KELLEROVÁ, E. – REGECOVÁ, V.: Vybrané problémy štatistickej analýzy opakovaných meraní s aplikáciami v elektrokardiológii In: *Slovenská štatistika a demografia* Vol. 14, č. 2, 2004, s. 36 – 48.

KATINA, S. - KELLEROVÁ, E. – REGECOVÁ, V.: Application of regression trees in evaluation of ventricular repolarization parameters in groups of subjects with different blood pressure. In: *Slovenská antropológia* Roč. 6 (n.s.1), 2003, p. 65 – 68. (vyšlo v r. 2004)

KATINA, S. – MIKUŠ, P. : Problematické otázky analýzy kategoriálnych dát. In : *Výpočtová štatistika* Roč. 13, 2004 , s. 44 – 48.

KELLEROVÁ, E. – REGECOVÁ, V.: Blood pressure and heart rate components of the feeding response – actophysiological aspects. In: *Homeostasis*, Vol. 42, no. 3-4, 2003, p. 150-152. (nebolo doteraz uvedené)

REGECOVÁ V.: The association of anthropometric indices of regional adiposity with elevated blood pressure in boys and adult men. In: *Slovenská antropológia* Roč, 6 (n.s.1) 2003, s.107-112 (vyšlo v r. 2004)

REGECOVÁ V. – ANDRASYOVÁ D.: Electrocardiological indicators of increased sympathetic drive of cardiac ventricles in young subjects wioth high normal blood pressure. In *Journal of Arrhythmology* Vol. 19, 2000, s. 74-78. (nebolo doteraz uvedené)

RIEČANSKÝ, I. Extrastriate area V5 (MT) and its role in the processing of visual motion. In *Československá fyziologie*, Vol. 53, 2004, p. 17-22.

AIDU, E. A. I. – TRUNOV, V.G. – TITOMIR, L. I. - SZATHMÁRY, V. - TYŠLER, M. Noninvasive location of acute ischemic lesion in the heart ventricles using a few-lead system: Study on a realistic mathematical model. In *Measurement Science Review*, Vol. 3, 2003, p. 33-36.  
(nebolo doteraz uvedené)

### **Vedecké práce v zborníkoch recenzovaných**

DZURKOVÁ, O. - HLAVAČKA, F. - ŠRAMKOVÁ, I.. – KROŠLÁK, M.. Application of the galvanostabilometry in patients with vestibular disorders. In *5<sup>th</sup> European Congress of Oto-Rhino-Laryngology Head and Neck Surgery, 11-16 September 2004*, Rodos, Greece, 2004, p.184-185.

### **Abstrakty v časopisoch evidovaných v CC**

GEROVÁ, M. - TÖRÖK, J. - PECHÁŇOVÁ, O. - MATUŠKOVÁ, J.: Rilmenidine prevents development of hypertension in NO-deficient rats without affecting NO-synthase activity. In *Physiological Research*, Vol. 53, 2004, p.11P.

KRISTEK, F. – GEROVÁ, M. Geometry and structure of conduit artery wall ofr hypertensive NO deficient newborn and adult rats. In *Physiological Research*, Vol. 53, 2004, p. 17P.

PECHÁŇOVÁ, O. - TÖRÖK, J. - MATUŠKOVÁ, J. - ŠIMKO, F.: Improvement of vascular endothelial function by simvastatin treatment in hereditary hypertriglyceridemic rats. In *Journal of Hypertension*, Vol. 22(Suppl.1), 2004, p. S33.

PECHÁŇOVÁ, O. - ZENEBE, W. - HORNIÁKOVÁ, L. The effect of red wine polyphenols on the behaviour parameters of normotensive and spontaneous hypertensive rats. *Journal of Hypertension*, Vol. 22 (suppl I.), 2004, p. S 128.

PECHÁŇOVÁ, O. - ZICHA, J. - DOBEŠOVÁ, Z. - PAULIS, L. - KOJŠOVÁ, S. - KUNES, J. The preventive effect of N-acetylcystiene and melatonin treatment on the development of spontaneous hypertension. In *Hypertension* , Vol. 44, no. 4, 2004, p. 585-585.

PECHÁŇOVÁ, O. - ZICHA, J. - ZENEBE, W. - DOBESOVÁ, Z. - KUNES, J. The effect of N-acetylcysteine treatment on the development of spontaneous hypertension. In *Journal of Hypertension*, Vol. 22 (suppl I.), 2004, p. S 128.

PECHÁŇOVÁ, O. - CAPIKOVÁ, D. - LUPTÁK, I. - MATUŠKOVÁ, J. - SIMKO, F. The effect of captopril and spironolactone on renal metabolism in L-NAME-induced hypertension. In *Journal of Hypertension*, Vol. 22 (suppl I.), 2004, p. S 41.

ZICHA, J. - PECHÁŇOVÁ, O. - VOKURKOVÁ, M. - RAUCHOVÁ, H. - DOBESOVÁ, Z. - KUNES, J. Antihypertensive effect of chronic antioxidant treatment by N-acetylcysteine in rats with L-NAME hypertension. In *Journal of Hypertension*, Vol.22 (suppl I.), 2004, p. S 13.

RAUCHOVÁ, H. - PECHÁŇOVÁ, O. - KUNEŠ, J. - VOKURKOVÁ, M. - ZICHA, J. Chronic N-acetyl cysteine administration prevents hypertension development in L-NAME treated rats. In *Physiological Research*, Vol. 53, no. 4, 2004, p. S 32.

RAVINGEROVÁ, T. - PECHÁŇOVÁ, O. - BARANČÍK, M. Cardiac ischemic tolerance after long-term inhibition of NO synthesis: the role of mitochondrial K(ATP) channels. In *Journal of Molecular and Cellular Cardiology*, Vol. 115, no. 5, 2004, p. 752-752.

REZZANI, R. - PECHÁŇOVÁ, O. - RODELLA, L. - BUFFOLI, B. - BIANCHI R. Regression of nephrotoxicity induced by cyclosporine A: Effect of wine polyphenols. In *J Histochem Cytochem*, Vol.52 (Suppl.1), 2004, p. S35.

RAVINGEROVÁ, T. - ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - PECHÁŇOVÁ, O. - VRANKA, I. - ANDELOVÁ, E. - STYK, J. Modulácia ischemickej tolerancie v srdci potkana po chronickej inhibícii syntézy NO: úloha mitochondriálnych K(ATP) kanálov. In *Physiological Research*, Vol.53, no.4, 2004, p. S 33.

TÖRÖK, J. - KRISTEK, F. - GEROVÁ, M. - URMINSKÁ, M. - KUNEŠ, J.: Functional and structural changes in thoracic aorta of 4-week-old hypertensive rats. In *Physiological Research*, vol. 53, 2004, p.40P.

TOROK, J. – MATUŠKOVÁ, J. – PECHÁŇOVÁ, O. – KRAJČOVIČOVÁ, K. – ŠIMKO, F. :Simvastatin improves endothelial function of aorta in hereditary hypertriglyceridemic rats. In: *Physiological Research*, Vol. 52, 2003, p. 43P.

ŠIMKO, F. - PELOUCH, V. - TÖRÖK, J. - LUPTÁK, I. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - BABÁL, P.: Protein remodeling of the heart ventricles in hereditary hypertriglyceridemic rat: Effect of ACE-inhibition. In *Journal of Hypertension*, Vol.22(Suppl.2), 2004, p.S341.

### **Abstrakty v ostatných časopisoch**

JAGLA, F. – KUKUMBERG, P. – JERGELOVÁ, M. Panická porucha: elektrofyziológické koreláty poruchy dolnej časti mozgového kmeňa. In *Psychiatria pre prax*, 4, S1, 2004, p. 30.

JAGLA, F. – KUKUMBERG, P. – JERGELOVÁ, M. Panic disorder: electrophysiological demonstrations of lower brain stem dysfunction. In *Psychopharmacology and Biological Narcology*, Vol. 4, 2004, p. 781.

KELLEROVÁ, E. – REGECOVÁ, V.: Objavujú sa rozdiely v parametroch repolarizácie komôr už pri prehypertenzii podľa kritérií JNC – VII ? In : *Cardiology*, Vol. 13, no 3, 2004, p K/C 66.

KELLEROVÁ, E. – REGECOVÁ, V.: Elektrokardiologické ukazovatele komorovej repolarizácie vo vzťahu k pokojovým a reaktívnym hodnotám krvného tlaku In: *Cardiology* Vol.13, Suppl 1, 2004, p 18 S.

KOJŠOVÁ, S. - PAULIS, E. - JANEGA, P. - ŠIMKO, F. - PECHÁŇOVÁ, O. Vplyv antioxidantov na expresiu proteínu endotelovej a indukčtívnej NO syntázy a nukleárneho faktora  $\kappa$ B u hypertenzných potkanov. In *Cardiology*, Vol. 13, Suppl. 1, 2004, p.18S

LÍŠKOVÁ, S. - TÖRÖK, J. - PAULIS, E. - PECHÁŇOVÁ, O. - ŠIMKO, F.: Vaskulárne účinky melatonínu u spontánne hypertenzných potkanov. In *Cardiology*, 2004, Vol.13, Suppl.1, 2004, p.20S-21S.

PAULIS, E. - MATUŠKOVÁ, J. - EUPTÁK, I. - PECHÁŇOVÁ, O. - ŠIMKO, F. Regresia štruktúrnych zmien v ľavej komore a aorte u L-NAME indukovanej hypertenzie: Vplyv L-arginínu a spironolaktónu. In *Cardiology*, Vol.13, Suppl. 1, 2004, p.25S–26S.

PECHÁŇOVÁ, O. - HORNIÁKOVÁ, L. - CSIZMADIOVÁ, Z. The effect of red wine and non-alcoholic red wine polyphenolic extract on the behavior of normotensive and spontaneous hypertensive rats: A comparative study. In *Psychopharmacology and Biological Narcology* 2004, 2-3, 782

VLKOVIČOVÁ, J. - JAVORKOVÁ, V. - PECHÁŇOVÁ, O. - VRBJAR, N. Vplyv hypertenzie na funkčnosť srdcovej Na,K-ATPázy. In *Cardiology*, Vol.13, Suppl. 1, 2004, p.33S–34S.

RAVINGEROVÁ, T. - ANDELOVÁ, E. - PINTEROVÁ, M. - ŠIMONČIKOVÁ, P. - BARANČÍK, M. - ZIEGELHOFFER, A. - PECHÁŇOVÁ, O. Ischemic tolerance after long-term inhibition of NO synthesis: Role of free radicals and mitochondrial K(ATP) channels. In *Cardiology*, Vol.13, Suppl. 1, 2004, p.27S–28S.

REGECOVÁ, V.: Somatický profil chlapcov a mužov so zvýšenými hodnotami krvného tlaku In *Cardiology* Vol. 13, no 3, 2004, p K/C 68.

REGECOVÁ, V.: Vplyv konštitučných parametrov na variabilitu depolarizácie predsiení. In: *Cardiology* Vol.13, Suppl 1, 2004, p 27 S.

RIECANSKY, I. - VAVRUSOVA, L. - KONIKOVA, M. Antipsychotics in the treatment of depressive episode and recurrent depression. In *Psychopharmacology and Biological Narcology*, Vol. 4, 2004, p. 781-782.

RIEČANSKÝ, I. - VAVRUŠOVÁ, L. - KONÍKOVÁ, M. Antipsychotics in the treatment of unipolar depression. In *Psychiatrie*, Vol. 8, Suppl. 4, 2004, p. 40-41.

RIEČANSKÝ, I. - VAVRUŠOVÁ, L. - KONÍKOVÁ, M. Antipsychotics in the treatment of depressive episode and recurrent depression. In *World Psychiatry*, Vol. 3, Suppl 1, 2004, p. 271.

SZATHMÁRY, V. – RUTTKAY-NEDECKÝ, I. Electro- and vectorcardiographic manifestation of heterogeneous left ventricular hypertrophy. A model study. In: *Cardiology*, 2004, 13, Suppl.1, p.29S.

TYŠLER, M. – TURZOVÁ, M. - SZATHMÁRY, V. – AIDU, EAI. – TRUNOV, VG., - TITOMIR, LI. Model substantiation of a method to determine the lesion midplane indicating the position of acute ischemia in the heart ventricles. In: *Cardiology*, Vol.13, Suppl.1, 2004, p.32S.

TÖRÖK, J. - KRISTEK, F. - GEROVÁ, M.: Charakteristika endotelovej funkcie veľkých tepien u mláďat s experimentálnou hypertenziou. In *Cardiology*, Vol. 13, no. 3, 2004, p. K/C70.

### **Abstrakty v zborníkoch:**

WRISLEY, D.M. - HLAVAČKA, F. - STATLER, K.D. - PETERKA, R.J. - HORAK, F.B. Postural asymmetries and decreased reliance on vestibular information revealed in people with chronic unilateral vestibular loss. *Abstracts of Society of Neuroscience Meeting*, San Diego, CA, 2004, CD-ROM.

KOJŠOVÁ, S. - PAULIS, Ľ. - JANEGA, P. - ZICHA, J. - DOBESOVÁ, Z. - KUNES, J. ŠIMKO, F. - ANDRIANTSITOHAINA, R. - PECHÁŇOVÁ, O. The preventive effect of N-acetylcysteine and melatonin treatment on the development of spontaneous hypertension. *Abstracts of 6th Meeting on New Frontiers in Basic Cardiovascular Research*, La Grande-Motte, 2004, p.29.

PECHÁŇOVÁ, O. - ZICHA, J. - KUNES, J. - DOBESOVÁ, Z. - PAULIS, Ľ. - KOJŠOVÁ, S. - ŠIMKO, F. The effect of N-acetylcysteine and melatonin treatment on the regression of spontaneous hypertension. *Abstracts of 6th Meeting on New Frontiers in Basic Cardiovascular Research*, La Grande-Motte, 2004, p.36.

ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - PECHÁŇOVÁ, O. - RAVINGEROVÁ, T. The effect of modulation of mitochondrial K(ATP) opening and chronic NOS inhibition on ischemic tolerance in rat heart. *Abstracts of 6th Meeting on New Frontiers in Basic Cardiovascular Research*, La Grande-Motte, 2004, p.40.

RAVINGEROVÁ, T. - ANDELOVÁ, E. - PINTÉROVÁ, P. - ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - PECHÁŇOVÁ, O. - STYK, J. Cardiac ischemic tolerance after long-term inhibition of NO synthesis: Role of free radicals and mitochondrial K(ATP) channels. *Abstracts of 6th Meeting on New Frontiers in Basic Cardiovascular Research*, La Grande-Motte, 2004, p.38.

### **Prednášky:**

#### **Vyžiadané prednášky**

JAGLA, F. – KUKUMBERG, P. – JERGELOVÁ, M. Panická porucha: elektrofyziológické koreláty poruchy dolnej časti mozgového kmeňa. VI. Slovenský psychiatrický zjazd, Spišská Nová Ves., 9. – 12. júna 2004.

JAGLA, F. – KUKUMBERG, P. – JERGELOVÁ, M. Panicka porucha - periférne a centrálné elektrofyziologické koreláty. II. Česko – slovenské neuropsychiatrické sympóziu, Český Krumlov, 23. – 25. 9. 2004.

JERGELOVÁ, M. – JAGLA, F. Príspevok k neurofyziologickým prejavom vnímania, vykonávania a imaginácie pohybu. II. Česko – slovenské neuropsychiatrické sympóziu, Český Krumlov, 23. – 25. 9. 2004.

PECHÁŇOVÁ, O.: Mechanizmy účinku antioxidantných látok v prevencii a liečbe hypertenzie. 32. konferencia Komisie experimentálnej kardiológie pri Českej a Slovenskej Fyziologickej Spoločnosti, 13. - 15. 10. 2004, Piatrová pri Martine

SZATHMÁRY, V. - TYŠLER, M. Effect of ventricular repolarization changes on ECG parameters. A model study. V. Joint Meeting of international Society for Holter and Noninvasive Electrocardiology and Working Group for Noninvasive Electrocardiology, Polish Cardiac Society. Zakopane, Poland, 19. – 21. 2. 2004

#### **Prednášky a vývesky na vedeckých podujatiach s min. 30% zahraničnou účasťou**

DZURKOVÁ, O. - HLAVAČKA, F. - ŠRAMKOVÁ, I. – KROŠLÁK, M. Application of the galvanostabilometry in patients with vestibular disorders. 5<sup>th</sup> European Congress of Oto-Rhino-Laryngology Head and Neck Surgery, 11-16 September 2004, Rodos, Greece, p.184-185.

GEROVÁ, M. - TÖRÖK, J. - PECHÁŇOVÁ, O. - MATUŠKOVÁ, J.: Rilmenidine prevents development of hypertension in NO-deficient rats without affecting NO-synthase activity. 80. fyziologické dni, Praha, Česká republika, 2.-5.2.2004.

HLAVAČKA, F. – KORNILOVA, LN. Velocity of head movements and sensory-motor adaptation during and after short spaceflight. 25<sup>th</sup> Annual International Gravitational Physiology Meeting, 6-11 Juner 2004, Moscow, Russia.

HORNÁČEK, K. - ČEPÍKOVÁ, M.- HLAVAČKA, F. Could be the dynamization of seatin partial prevention of functional pathology of locomotor system conditioned by static seating?. 14<sup>th</sup> Triennial FIMM World Congress, Manual/Musculoskeletal Medicine and Pain evidence and new chalenges, 15-18 September 2004, Bratislava, Slovakia, p.23.

JAGLA, F. - JENČA, J. - JERGELOVÁ, M. - PAVLÁSEK, J. - RIEČANSKÝ I. Dichotic discrimination of frequencies. 80. Fyziologické dni, Praha, Česká republika, 3.-5.2.2004.

JAGLA, F. – KUKUMBERG, P. – JERGELOVÁ, M. Panic disorder: electrophysiological demonstrations of lower brain stem disfunction. Special symposium of C.I.A.N.S. – Collegium Internationale Activitatis Nervosea Superioris, 8th Multidisciplinary International Conference of Biological Psychiatry, Sankt Petersburg, Russia, May 17-19, 2004.

JAGLA, F. – OSTATNÍKOVÁ, D. – JERGELOVÁ, M. – RIEČANSKÝ, I. – BOLVANSKÁ, Ľ. – OKKELOVÁ, J. Fytoestrogény a kognitívne potenciály. 40. Medziodborová konferencia o experimentálnom a klinickom výskume vyšších funkcií mozgu, Plzeň, Česká republika, 15.-17.9.2004.

JERGELOVÁ, M. – JAGLA, F. Vplyv interferujúcej mentálnej aktivity na spracúvanie informácií. 40. Medziodborová konferencia o experimentálnom a klinickom výskume vyšších funkcií mozgu, Plzeň, Česká republika, 15.-17.9.2004.

JERGELOVÁ, M. - JAGLA, F. - RIEČANSKÝ, I. Event-related potentials in panic disorder. 80. Fyziologické dni, Praha, Česká republika, 3.-5.2.2004.

KATINA, S.: Profile analysis with applications to electrocardiology (Profiová analýza a jej aplikácie v elektrokardiológii), *XVI. Summer School of Biometrics* Račkova dolina, Pribylina, Slovakia, 21. - 25. 6. 2004

KOJŠOVÁ, S. - PAULIS, Ľ. - JANEGA, P. - ZIČHA, J. - DOBESOVÁ, Z. - KUNES, J. - ŠIMKO, F. - ANDRIANTSITOHAINA, R. - PECHÁŇOVÁ, O. The preventive effect of N-acetylcysteine and melatonin treatment on the development of spontaneous hypertension. *6th Meeting on New Frontiers in Basic Cardiovascular Research*, La Grande-Motte, France, 24.-27.9.2004.

KRISTEK, F. - .GEROVÁ, M. Geometry and structure of conduit artery of hypertensive NO defective newborns and adult rats. 80. Fyziologické dni, Praha, Česká republika, 2.-5.2.2004.

KRISTEK, F. - .GEROVÁ, M. Rozdielná morfológická odpoveď karotickej artérie u dospelých potkanov a ich mláďat na blokádu NO syntázy. 19. pracovná konferencia „Artérová hypertenzia“ Prešov, 20.-21.5.2004.

PECHÁŇOVÁ, O. - CAPIKOVÁ, D. - LUPTÁK, I. - MATUSKOVÁ, J. - SIMKO, F. The effect of captopril and spironolactone on renal metabolism in L-NAME-induced hypertension. 20<sup>th</sup> Scientific Meeting of the International Society of Hypertension, Sao Paulo, Brazil, 15.-19.2.2004.

PECHÁŇOVÁ, O. - HORNIÁKOVÁ, L. - CSIZMADIOVÁ, Z. The effect of red wine and non-alcoholic red wine polyphenolic extract on the behavior of normotensive and spontaneous hypertensive rats: A comparative study. Special symposium of C.I.A.N.S. – Collegium Internationale Activitatis Nervosa Superioris, 8th Multidisciplinary International Conference of Biological Psychiatry, Sankt Petersburg, Russia, May 17-19, 2004.

PECHÁŇOVÁ, O. - TÖRÖK, J. - MATUŠKOVÁ, J. - ŠIMKO, F.: Improvement of vascular endothelial function by simvastatin treatment in hereditary hypertriglyceridemic rats. 20<sup>th</sup> Scientific Meeting of the International Society of Hypertension, Sao Paulo, Brazil, 15.-19.2.2004.

PECHÁŇOVÁ, O. - ZENEBE, W. - HORNIÁKOVÁ, L. The effect of red wine polyphenols on the behaviour parameters of normotensive and spontaneous hypertensive rats. 20<sup>th</sup> Scientific Meeting of the International Society of Hypertension, Sao Paulo, Brazil, 15.-19.2.2004.



PECHÁŇOVÁ, O. - ZICHA, J. - DOBEŠOVÁ, Z. - PAULIS, L. - KOJŠOVÁ, S. - KUNEŠ, J. The preventive effect of N-acetylcysteine and melatonin treatment on the development of spontaneous hypertension. European Council of Cardiovascular Research, Nice, France, 1.-3.10.2004.

PECHÁŇOVÁ, O. - ZICHA, J. - KUNES, J. - DOBESOVÁ, Z. - PAULIS, L. - KOJŠOVÁ, S. - ŠIMKO, F. The effect of N-acetylcysteine and melatonin treatment on the regression of spontaneous hypertension. 6th Meeting on New Frontiers in Basic Cardiovascular Research, La Grande-Motte, France, 24.-27.9.2004.

PECHÁŇOVÁ, O. - ZICHA, J. - ZENEBE, W. - DOBESOVÁ, Z. - KUNES, J. The effect of N-acetylcysteine treatment on the development of spontaneous hypertension. 20<sup>th</sup> Scientific Meeting of the International Society of Hypertension, Sao Paulo, Brazil, 15.-19.2.2004.

RAUCHOVÁ, H. - PECHÁŇOVÁ, O. - KUNEŠ, J. - VOKURKOVÁ, M. - ZICHA, J. Chronic N-acetyl cysteine administration prevents hypertension development in L-NAME treated rats. 80. fyziologické dni, Praha, 2.-5.2.2004.

RAVINGEROVÁ, T. - PECHÁŇOVÁ, O. - BARANČÍK, M. Cardiac ischemic tolerance after long-term inhibition of NO synthesis: the role of mitochondrial K(ATP) channels. Meeting of International Society for Heart Research, Brisbane, Australia, 25.-30.8.2004.

ZICHA, J. - PECHÁŇOVÁ, O. - VOKURKOVÁ, M. - RAUCHOVÁ, H. - DOBESOVÁ, Z. - KUNES, J. Antihypertensive effect of chronic antioxidant treatment by N-acetylcysteine in rats with L-NAME hypertension. 20<sup>th</sup> Scientific Meeting of the International Society of Hypertension, Sao Paulo, Brazil, 15.-19.2.2004.

ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - PECHÁŇOVÁ, O. - RAVINGEROVÁ, T. The effect of modulation of mitochondrial K(ATP) opening and chronic NOS inhibition on ischemic tolerance in rat heart. 6th Meeting on New Frontiers in Basic Cardiovascular Research, La Grande-Motte, France, 24.-27.9.2004.

RAVINGEROVÁ, T. - ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - PECHÁŇOVÁ, O. - VRANKA, I. - ANDELOVÁ, E. - STYK, J. Modulácia ischemickej tolerancie v srdci potkana po chronickej inhibícii syntézy NO: úloha mitochondriálnych K(ATP) kanálov. 80. fyziologické dni, Praha, 2.-5.2.2004.

RAVINGEROVÁ, T. - ANDELOVÁ, E. - PINTÉROVÁ, P. - ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - PECHÁŇOVÁ, O. - STYK, J. Cardiac ischemic tolerance after long-term inhibition of NO synthesis: Role of free radicals and mitochondrial K(ATP) channels. 6th Meeting on New Frontiers in Basic Cardiovascular Research, La Grande-Motte, France, 24.-27.9.2004.

RIEČANSKÝ, I. - JAGLA, F. - JERGELOVÁ, M. Saccadic eye movement-related potentials in double-step saccades. 80. Fyziologické dni, Praha, Česká republika, 3.-5.2.2004.

RIEČANSKÝ, I. - THIELE, A. - HOFFMANN, K.-P. Area V5 sa nezúčastňuje na spracovaní farbou kódovaného pohybu. 40. Medziodborová konferencia o experimentálnom a klinickom výskume vyšších funkcií mozgu, Plzeň, Česká republika, 15.-17.9.2004.

RIEČANSKÝ, I. - VAVRUŠOVÁ, L. - KONÍKOVÁ, M. Antipsychotics in the treatment of unipolar depression. Central/East European C.I.N.P. Regional Meeting, Brno, Czech Republic, September 9-12, 2004.

RIEČANSKÝ, I. - VAVRUŠOVÁ, L. - KONÍKOVÁ, M. Antipsychotics in the treatment of depressive episode and recurrent depression. World Psychiatric Association International Congress "Treatments in psychiatry: an update", Florence, Italy, November 10-13, 2004.

RIEČANSKÝ, I. - VAVRUSOVA, L. - KONIKOVA, M. Antipsychotics in the treatment of depressive episode and recurrent depression. Special symposium of C.I.A.N.S. – Collegium Internationale Activitatis Nervosa Superioris, 8th Multidisciplinary International Conference of Biological Psychiatry, Sankt Petersburg, Russia, May 17-19, 2004.

TÖRÖK, J. - KRISTEK, F. - GEROVÁ, M.: Charakteristika endotelovej funkcie veľkých tepien u mláďat s experimentálnou hypertenziou. 80. fyziologické dni, Praha, 2.-5.2.2004.

URMINSKÁ, M., - KRISTEK, F.: Structure of coronary artery of SHR in prehypertensive and early hypertensive period of ontogenic development. 80. Fyziologické dni, Praha, Česká republika, 2.-5.2.2004.

### **Ostatné prednášky a vývesky**

CEBOVÁ, M. - KRISTEK, F. : Štrukturálne zmeny koronárnej artérie u SHR počas ontogenetického vývoja. 9. Slovenský kardiologický kongres, Bratislava, 9.-11. októbra 2004

JANEGA, P., KOJŠOVÁ, S., CSIZMÁDIOVÁ, Z., LÍŠKOVÁ, S., PECHÁŇOVÁ, O., BABÁL, P.: Vplyv polyfenolov červeného vína na kardiovaskulárne poškodenie vyvolané dlhodobým podávaním tetrachlórmetánu. 32. konferencia Komisie experimentálnej kardiológie pri Českej a Slovenskej Fyziologickej Spoločnosti, 13. - 15. 10. 2004, Piatrová pri Martine

KATINA, S.: Problematické otázky analýzy kategoriálnych dát. Computational Statistics 13, Bratislava, 2-3. 12. 2004

KELLEROVÁ, E. – REGECOVÁ, V.: Objavujú sa rozdiely v parametroch repolarizácie komôr už pri prehypertenzii podľa kritérií JNC – VII ? - XIX. Pracovná konferencia Slovenskej hypertenzologickej spoločnosti „Artérová hypertenzia“, Prešov, 20. – 21. 5. 2004

KELLEROVÁ, E.: Nočné hodnoty krvného tlaku a periférna hemodynamika. – Sympóziu Slovenskej ligy proti hypertenzii – „Spánok a hypertenzia“, Liptovský Ján, 11. – 12. 6. 2004

KELLEROVÁ, E.: Disociácia medzi interindividuálnymi zmenami R-R intervalov a parametrov komorovej repolarizácie. Elektrokardiologický seminár, 14. ročník – 2003/2004, Bratislava, 8. 1. 2004

KELLEROVÁ, E. – REGECOVÁ, V.: Elektrokardiologické ukazovatele komorovej repolarizácie vo vzťahu k pokojovým a reaktívnym hodnotám krvného tlaku. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

KOJŠOVÁ, S. - PAULIS, E. - JANEGA, P. - ŠIMKO, F. - PECHÁŇOVÁ, O. Vplyv antioxidantov na expresiu proteínu endotelovej a indukčtívnej NO syntázy a nukleárneho faktora  $\kappa$ B u hypertenzných potkanov. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

KOJŠOVÁ, S. PAULIS E., JANEGA, P., DOBEŠOVÁ, Z., ZICHA, J., KUNEŠ, J., PECHÁŇOVÁ O.: Vplyv antioxidantov na aktivitu NO syntázy a expresiu proteínu nukleárneho faktorab  $\kappa$ B u hypertenzných potkanov. 32. konferencia Komisie experimentálnej kardiológie pri Českej a Slovenskej Fyziologickej Spoločnosti, 13. - 15. 10. 2004, Piatrová pri Martine

LÍŠKOVÁ, S. - TÖRÖK, J. - PAULIS, E. - PECHÁŇOVÁ, O. - ŠIMKO, F.: Vaskulárne účinky melatonínu u spontánne hypertenzných potkanov. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

PAULIS, E. - MATUŠKOVÁ, J. - EUPTÁK, I. - PECHÁŇOVÁ, O. - ŠIMKO, F. Regresia štruktúrnych zmien v ľavej komore a aorte u L-NAME indukovanej hypertenzie: Vplyv L-arginínu a spironolaktónu. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

PAULIS, E., MATUŠKOVÁ, J., KRAJČIROVIČOVÁ, K., PECHÁŇOVÁ, O., ŠIMKO, F.: Regresia L-NAME-indukovanej hypertenzie: Vplyv spironolaktónu na tvorbu NO v obličke. 32. konferencia Komisie experimentálnej kardiológie pri Českej a Slovenskej Fyziologickej Spoločnosti, 13. - 15. 10. 2004, Piatrová pri Martine

RAVINGEROVÁ, T. - ANDELOVÁ, E. - PINTEROVÁ, M. - ŠIMONČIKOVÁ, P. - BARANČÍK, M. - ZIEGELHOFFER, A. - PECHÁŇOVÁ, O. Ischemic tolerance after long-term inhibition of NO synthesis: Role of free radicals and mitochondrial K(ATP) chanel. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

VLKOVIČOVÁ, J. - JAVORKOVÁ, V. - PECHÁŇOVÁ, O. - VRBJAR, N. Vplyv hypertenzie na funkčnosť srdcovej Na,K-ATPázy. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

REGECOVÁ, V.: Mení sa výpovedná hodnota parametrov EKG vo vzťahu k rizikokardiovaskulárnym chorôb stratifikovaného na základe JNC VII? Elektrokardiologický seminár, 14. ročník – 2003/2004, Bratislava, 6. 5. 2004

REGECOVÁ, V.: Vplyv konštitučných parametrov na variabilitu depolarizácie predsiení, IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7.-9.10.2004

REGECOVÁ, V.: Somatický profil chlapcov a mužov so zvýšenými hodnotami krvného tlaku. XIX. Pracovná konferencia Slovenskej hypertenzologickej spoločnosti „Artériová hypertenzia“, Prešov, 20. – 21. 5. 2004

SZATHMÁRY, V. : Vektorová reprezentácia rôzne lokalizovaných malých patogénnych oblastí v stene srdcových komôr. Modelová štúdia. Elektrokardiologický seminár, 14. ročník – 2003/2004, Bratislava, 4. 3. 2004

SZATHMÁRY, V. – RUTTKAY-NEDECKÝ, I. Electro and vectorcardiographic manifestation of heterogeneous left ventricular hypertrophy. A model study. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7. – 9. 10. 2004.

TITOMIR L.I., AIDU E.A.I., TRUNOV V.G., TYŠLER M., TURZOVÁ M., SZATHMÁRY V. Model substantiation of a method to determine the lesion midplane indicating the position of acute ischemia in the heart ventricle. IX. Kongres Slovenskej kardiologickej spoločnosti, Bratislava, 7. – 9. 10. 2004.

TÖRÖK, J. - KRISTEK, F. - GEROVÁ, M. - URMINSKÁ, M. - KUNEŠ, J.: Functional and structural changes in thoracic aorta of 4-week-old hypertensive rats. 19. pracovná konferencia "Artériová hypertenzia" Prešov, 20.-21.5.2004.

## Ohlasy (citácie):

BERNATOVA, I. – DUBOVICKY, M. – PRICE, W.A. – GRUBBS, R.D. – LUCOT, J.B. MORRIS, M. Effect of chronic pyridostigmine bromide treatment on cardiovascular and behavioral parameters in mice. In *Pharmacology, Biochemistry and Behaviour*. Vol. 74, no. 4 (2003), p. 901-907.

Citácie z WOS: 1

1. Needham SR; Ye B; Smith JR; Korte WD  
JOURNAL OF CHROMATOGRAPHY B 2003, Vol 796, Iss 2, pp 347-354

BERNATOVA, I. - DUBOVICKY, M. - KEY, M. - LUCOT, J.B. - MORRIS, M. Chronic stress alters cardiovascular and endocrine responses in mice  
In *FASEB Journal*. Vol. 16, no. 4 (2002), p. A506-A506

Citácie z WOS: 1

1. Love OP, Shutt LJ, Silfies JS, Bird DM  
PHYSIOLOGICAL AND BIOCHEMICAL ZOOLOGY 2003, Vol 76 Iss 5, pp 753-761

BERNATOVA, I. - PECHANOVA, O. - SIMKO, F. Effect of captopril in L-name-induced hypertension on the rat myocardium, aorta, brain and kidney. In *Experimental Physiology*. Vol. 84, no. 6, 1999, p. 1095-1105.

Citácie z WOS: 2

1. Ibrahim MA, Satoh N, Ueda S  
ADVANCES IN THERAPY 2003, Vol 20, Iss 3, pp 143-148
2. Rossi MA, Ramos SG, Prado CM  
JOURNAL OF HYPERTENSION 2003, Vol 21, Iss 5, pp 993-1001

BERNATOVA, I. - PECHANOVA, O. - PELOUCH, V. - SIMKO, F. Regression of chronic L-NAME-treatment-induced left ventricular hypertrophy: Effect of captopril. In *Journal Of Molecular And Cellular Cardiology*. Vol. 32, no. 2, 2000, p. 177-185.

Citácie z WOS: 2

1. Rossi MA, Ramos SG, Prado CM  
JOURNAL OF HYPERTENSION 2003, Vol 21, Iss 5, pp 993-1001
2. Zhang Y, Carreras D, de Bold AJ  
CARDIOVASCULAR RESEARCH 2003, Vol 57, Iss 1, pp 158-167

BERNATOVA,I. - PECHANOVA,O. - SIMKO,F. Captopril prevents NO-deficient hypertension and left ventricular hypertrophy without affecting nitric oxide synthase activity in rats. In *Physiological Research*. Vol. 45, no. 4, 1996, p. 311-316.

Citácie z WOS: 3

1. Ibrahim MA, Satoh N, Ueda S  
ADVANCES IN THERAPY 2003, Vol 20, Iss 3, pp 143-148
2. Wilcoxon JS, Schwartz J, Aird F, Redei EE  
AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM 2003, Vol 285, Iss 1, pp E31-E39
3. Yan C, Kim D, Aizawa T, Berk BC  
ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY 2003, Vol 23, Iss 1, pp 26-36

VRBJAR,N. - BERNATOVA,I. - PECHANOVA,O. Changes of sodium and ATP affinities of the cardiac (Na,K)-ATPase during and after nitric oxide deficient hypertension. In *Molecular And Cellular Biochemistry* Vol. 202, no.1-2, 1999, p. 141-147.

Citácie z WOS: 1

1. Rossoni LV, dos Santos L, Barker LA, Vassallo DV  
JOURNAL OF CARDIOVASCULAR PHARMACOLOGY 2003, Vol 41, Iss 1, pp 105-116

TRIBULOVA,N. - OKRUHLICOVA,L. - BERNATOVA,I. - PECHANOVA,O. Chronic disturbances in NO production results in histochemical and subcellular alterations of the rat heart. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 77-88.

Citácie z WOS: 1

1. Husain K, Somani SM, Boley TM, Hazelrigg SR  
MOLECULAR AND CELLULAR BIOCHEMISTRY 2003, Vol 247, Iss 1-2, pp 37-44

GEROVA,M. - BARTA,E. - STOLARIK,M. - GERO,J. Heterogeneity in geometrical alterations of main branches of left coronary artery induced by increase in ventricle volume. In *American Journal of Physiology*. Vol. 262, no. 4, 1992, p. H1049-H1053.

Citácie z WOS: 1

1. Brown MD  
EXPERIMENTAL PHYSIOLOGY 2003, Vol 88, Iss 5, pp 645-658

GEROVA,M. - GERO,J. Range of the sympathetic control of the dog femoral artery. In *Circulation Research*. Vol. 24, no. 3, 1969, p. 349-359.

Citácie z WOS: 1

1. Zion AS, Bond V, Adams RG, Williams D, Fullilove RE, Sloan RP, Bartels MN, Downey JA, De Meersman RE  
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND  
CIRCULATORY PHYSIOLOGY 2003, Vol 285, Iss 2, pp H457-H462

GEROVA,M. - MESAROS,S. - KRISTEK,F. - KITTOVA,M. - MALINSKI,T. NO concentration in, the periendothelial area of the femoral artery of the dog measured in vivo. In *Physiological Reseach*. Vol. 47, no. 3, 1998, p. 169-175.

Citácie z WOS: 2

1. Taha ZH  
TALANTA 2003, Vol 61, Iss 1, pp 3-10
2. Mochizuki S, Miyasaka T, Goto M, Ogasawara Y, Yada T, Akiyama M, Neishi Y, Toyoda T, Tomita J, Koyama Y, Tsujioka K, Kajiya F, Akasaka T, Yoshida K  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH  
COMMUNICATIONS 2003, Vol 306 Iss 2, pp 505-508

GEROVA,M. - PECHANOVA,O. - STOEV,V. - KITTOVA,M. - BERNATOVA,I. Protein-metabolism in coronary wall affected by cardiac load. In *Cellular & Molecular Biology Research*. Vol. 40, no. 2, 1994, p. 123-128.

Citácie z WOS: 1

1. Brown MD  
EXPERIMENTAL PHYSIOLOGY 2003, Vol 88, Iss 5, pp 645-658 SEP 2003

GEROVÁ,M. – MAŠÁNOVÁ,C. – PAVLÁSEK,J. The inhibition of NO synthase in the posterior hypothalamus increases blood-pressure in the rat. In *Physiological Research*. Vol. 44, no. 2 (1995), p. 131-134.

Citácie z WOS: 2

1. Salas, N; Terrell, MLA; Summy-Long, JY; et al.  
BRAIN RESEARCH 20003, Vol 1-2, Iss 983, pp 162-173
2. Quadri, F; Arens, T; Schwarz, EC; et al.  
JOURNAL OF HYPERTENSION 2003, Vol 9, Iss 21, pp 1687-1694

SLADEK,T. - GEROVA,M. - ZNOJIL,V. - DEVAT,L. Morphometric characteristics of cardiac hypertrophy induced by long-term inhibition of NO synthase. In *Physiological Research*. Vol. 45, no. 4, 1996, p. 335-338.

Citácie z WOS: 1

1. Zhang Y, Carreras D, de Bold AJ  
CARDIOVASCULAR RESEARCH 2003, vol 57, Iss 1, pp 158-167

THURZO,I. – GMUCOVÁ,K. – ORLICKÝ,J. – PAVLÁSEK,J. Introduction to a kinetics-sensitive volt-coulometry. In *Review of Scientific Instruments*. Vol. 70, no. 9 (1999), p. 3723-3734.

Citácie z WOS: 1

1. Pincik, E; Kobayashi, H; Mullerova, J; et al.  
ACTA PHYSICA SLOVACA 2003, Vol 4, Iss 53, pp 267-278

HLAVAČKA,F. - MERGNER, T. – BOLHA,B. Human self-motion perception during translatory vestibular and proprioceptive stimulation. In *Neuroscience Letters*. Vol. 210, no 2, (1996), p. 83-86.

Citácie z WOS: 4

1. Stal F, Fransson PA, Magnusson M, et al.  
JOURNAL OF VESTIBULAR RESEARCH-EQUILIBRIUM & ORIENTATION  
2003, Vol.13, no. 1, pp 39-52
2. Richerson SJ, Faulkner LW, Robinson CJ, et al.  
GAIT & POSTURE 2003, Vol 18, no. 2, pp 11-19
3. Ledin T, Hafstrom A, Fransson PA, et al.  
ACTA OTO-LARYNGOLOGICA 2003, Vol 123, no. 5, pp 594-599
4. Fransson PA, Johansson R, Tjernstrom F, et al.  
IEEE ENGINEERING IN MEDICINE AND BIOLOGY MAGAZINE 2003, Vol 22,  
no. 2, pp 53-57

HLAVAČKA, F. – MERGNER, T. – KRIŽKOVÁ, M. Control of the body vertical by vestibular and proprioceptive inputs. In *Brain Research Bulletin*. Vol. 40, no.5-6, (1996), p. 431-434.

Citácie z WOS: 6

1. Fransson PA, Hafstrom A, Karlberg M, et al.  
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING 2003, Vol 50, no.  
12, pp 1310-1319
2. Jarchow T, Wirz M, Haslwanter T, et al.  
JOURNAL OF NEUROPHYSIOLOGY 2003, Vol 90, no. 5, pp 2973-2977
3. Wardman DL, Taylor JL, Fitzpatrick RC  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 551, no. 3, pp 1033-1042
4. Ali AS, Rowen KA, Iles JF  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 546, no. 2, pp 615-624
5. Wardman DL, Day BL, Fitzpatrick RC  
JOURNAL OF PHYSIOLOGY-LONDON, 2003, Vol 547, no. 1, pp 293-299
6. Bent LR, Inglis JT, McFadyen BJ  
EXPERIMENTAL BRAIN RESEARCH 2002, Vol 143, no. 1, pp 100-105

HLAVAČKA, F. – KRIŽKOVA, M. – HORAK, FB. Modification of human postural response to leg muscle vibration by electrical vestibular stimulation. In *Neuroscience Letters* . Vol. 189, no.1, (1995), p. 9-12.



Citácie z WOS: 2

1. Asai H, Fujiwara K  
PERCEPTUAL AND MOTOR SKILLS 2003, Vol 96, no. 2, pp 549-577
2. Day BL, Cole J  
BRAIN 2002, Vol 125, pp 2081-2088

HLAVAČKA, F. – NJIOKIKTJIEN, C. Sinusoidal galvanic stimulation of the labyrinths and postural responses. In *Physiologia Bohemoslovaca*. Vol. 35, no.1, (1986), p. 63-70.

Citácie z WOS: 1

1. Latt LD, Sparto PJ, Furman JM, et al.  
GAIT & POSTURE 2003, Vol 18, no. 2, pp 64-72

HLAVAČKA, F. — MERGNER, T. – SCHWEIGART, G. Interaction of vestibular and proprioceptive inputs for human self motion perception. In *Neuroscience Letters* . Vol. 138, no.1, (1992), p. 161-164.

Citácie z WOS: 1

1. Ellard CG, Shaughnessy SC  
PERCEPTION 2003, Vol 32, no. 5, pp 567-578

HLAVAČKA, F. – SHUPERT, CL. – HORAK, FB. The timing of galvanic vestibular stimulation affects responses to platform translation. In *Brain Research* Vol. 821, no.1, (1999), p. 8-16.

Citácie z WOS: 1

1. Latt LD, Sparto PJ, Furman JM, et al.  
GAIT & POSTURE 2003, Vol 18, no. 2, pp 64-72

HLAVAČKA, F. – NJIOKIKTJIEN, C. Postural responses evoked by sinusoidal galvanic stimulation of the labyrinth - influence of head position. In *Acta Oto-Laryngologica*. Vol. 99, no.1-2, (1985), p. 107-112.

Citácie z WOS: 1

1. Latt LD, Sparto PJ, Furman JM, et al.  
GAIT & POSTURE 2003, Vol 18, no. 2, pp 64-72

HORAK, FB. - HLAVAČKA, F. Somatosensory loss increases vestibulospinal sensitivity. In *Journal of Neurophysiology*. Vol. 86, no.2, (2001), p. 575-585.

Citácie z WOS: 7

1. Tunik E, Poizner H, Levin MF, et al.  
EXPERIMENTAL BRAIN RESEARCH 2003, Vol 153, no. 3, pp 343-355
2. Wardman DL, Taylor JL, Fitzpatrick RC  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 551, no. 3, pp 1033-1042

3. Latt LD, Sparto PJ, Furman JM, et al.  
GAIT & POSTURE 2003, Vol 18, no. 2, pp 64-72
4. Knikou M, Rymer WZ  
EXPERIMENTAL BRAIN RESEARCH 2003, Vol 152, no. 4, pp 466-475
5. Ali AS, Rowen KA, Iles JF  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 546, no. 2, pp 615-624
6. Wardman DL, Day BL, Fitzpatrick RC  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 547, no. 1, pp 293-299
7. Keshner EA  
JOURNAL OF NEUROPHYSIOLOGY 2003, Vol 89, no. 4, pp 1891-1901

HORAK, FB. - HLAVAČKA, F. Vestibular stimulation affects medium latency postural muscle responses. In In *Brain Research* Vol. 144, no.1, (2002), p. 95-102.

Citácie z WOS: 2

1. Shumsky JS, Tobias CA, Tumolo M, et al.  
EXPERIMENTAL NEUROLOGY 2003, Vol 184, no. 1, pp 114-130
2. Ali AS, Rowen KA, Iles JF  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 546, no. 2, pp 615-624

INGLIS, JT. – SHUPERT, CL. – HLAVAČKA, F. – HORAK, FB. Effect of galvanic vestibular stimulation on human postural responses during support surface translations. In *Journal of Neurophysiology*. Vol. 73, no.2, (1995), p. 896-901.

Citácie z WOS: 8

1. Wardman DL, Taylor JL, Fitzpatrick RC  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 551, no. 3, pp 1033-1042
2. Latt LD, Sparto PJ, Furman JM, et al.  
GAIT & POSTURE 2003, Vol 18, no. 2, pp 64-72
3. Knikou M, Rymer WZ  
EXPERIMENTAL BRAIN RESEARCH 2003, Vol 152, no. 4, pp 466-475
4. Watson SRD, Welgampola MS, Colebatch JG  
CLINICAL NEUROPHYSIOLOGY 2003, Vol 114, no. 8, pp 1456-1461
5. Jahn K, Naessl A, Schneider E, et al.  
BRAIN 2003, Vol 126, pp 1579-1589
6. Ali AS, Rowen KA, Iles JF  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 546, no. 2, pp 615-624
7. Wardman DL, Day BL, Fitzpatrick RC  
JOURNAL OF PHYSIOLOGY-LONDON 2003, Vol 547, no. 1, pp 293-299
8. Mars F, Archambault PS, Feldman AG  
EXPERIMENTAL BRAIN RESEARCH 2003, Vol 150, no. 4, pp 515-519

MAURER, C. – MERGNER, T. – BOLHA, B. - HLAVAČKA, F. Vestibular, visual, and somatosensory contributions to human control of upright stance. In *Neuroscience Letters*. Vol. 281, no.2-3, (2000), p. 99-102.

Citácie z WOS: 4

1. Jarchow T, Wirz M, Haslwanter T, et al  
JOURNAL OF NEUROPHYSIOLOGY 2003, Vol 90, no. 5, pp 2973-2977
2. Lamontagne A, Paquet N, Fung J  
CLINICAL BIOMECHANICS 2003, Vol 18, no. 9, pp 832-842
3. Amiridis IG, Hatzitaki V, Arabatzi F  
NEUROSCIENCE LETTERS 2003, Vol 350, no. 3, pp 137-140
4. Pratorius B, Kimmeskamp S, Milani TL  
NEUROSCIENCE LETTERS 2003, Vol 346, no. 3, pp 173-176

MAURER, C. – MERGNER, T. – BOLHA, B. – HLAVAČKA, F. Human balance control during cutaneous stimulation of the plantar soles. In *Neuroscience Letters* Vol. 302, no.1, (2001), p. 45-48.

Citácie z WOS: 3

1. Stal F, Fransson PA, Magnusson M, et al.  
JOURNAL OF VESTIBULAR RESEARCH-EQUILIBRIUM & ORIENTATION  
2003, Vol 13, no. 1, pp 39-52
2. Morioka S, Yagi F  
CLINICAL REHABILITATION 2003, Vol 17, no. 6, pp 600-607
3. Millisdotter M, Stromqvist B, Jonsson B  
SPINE 2003, Vol 28, no. 12, pp 1281-1289

MERGNER, T. – SCHWEIGART, G. – MULLER, M. – HLAVAČKA, F. – BECKER, W. Visual contributions to human self-motion perception during horizontal body rotation. In *Archives Italiennes de Biologie*. Vol. 138, no.2, (2000), p. 139-166.

Citácie z WOS: 2

1. Lambrey S, Berthoz A  
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY 2003, Vol 50, no, 1-2, pp 101-115
2. Jurgens R, Nasios G, Becker W  
EXPERIMENTAL BRAIN RESEARCH 2003, Vol 151, no. 1, pp 90-107

JAGLA, F. - JERGELOVÁ, M. - ZIKMUND, V. Saccadic evoked potentials corresponding to different hemispheric activation. In *Homeostasis*, Vol.39, no.6, 1999, p.117-118.

Citácie z WOS: 1

1. Kováč D  
STUDIA PSYCHOLOGICA 2003, Vol.45, p.81

JAGLA, F. - ZIKMUND, V. Changes in bioelectrical brain activity related to programming of saccadic eye movements. In *Activ.Nerv.Super*. Vol. 31, no. 2, 1989, p.142-143.

Citácie z WOS: 1

1. Slavutskaya AV; Shulgovsky VV  
ZH VYSSH NERV DEJAT 2003, Vol.53, p.341

JAGLA,F. - ZIKMUND,V. - MASHONKINA,T.R. - YAKIMOFF, N.A. Presnosť sakadických pohybov očí závisí od ich horizontálneho a vertikálneho smeru. In *Bratisl. Lek. Listy*, Vol. 93, no. 6, 1992, p. 287-290.

Citácie z WOS: 1

1. Moiseeva VV; Slavutskaya MV; Shulgovsky VV  
ZH VYSSH NERV DEYAT 2003, Vol.53, p.33

KELLEROVÁ, E. - DELIUS, W. Unterschiede der vasomotorischen Reaktivität im Muskel und akralen Hautgefäßgebiet der oberen und unteren Extremitäten. In *Zeitschrift für Kreislaufforschung* Vol. 58, no. 9, 1969, p. 917-925

Citácie z WOS : 1

1. Satoh T; Sugawara Y;  
ANALYTICAL SCIENCES, 2003, Vol.19, Iss 1, pp 139-146

DELIUS, W.- KELLEROVA, E. Reactions of arterial and venous vessels in the human forearm and hand to deep breath or mental strain. In *Clinical Science* Vol. 40, 1971, p.271-282.

Citácie z WOS : 2

1. Bojic – L, Bagatin-J, Ivanisevic-M, Hozo-I, Racic-G  
INTERNATIONAL OPHTHALMOLOGY 2001, Vol. 23 , pp 149-153  
(nebolo doteraz uvedené)
2. Plascencia-Alvarez-NI, Estanol-B, Figureoa- MVC et al.  
ARCH. CARDIOL. MEX. 2002, Vol. 72 Iss.1, p 13-19  
(PDF) medigraphic. com (nebolo doteraz uvedené)

KELLEROVA, E. Physiological responses of blood pressure and heart rate in neonates and infants In *Advances of Physiological Sciences* Vol. 9, 1981, pp. 367-375

Citácie z WOS: 4

1. Cornelissen G, Halberg F, Schwartzkopff O, et al.  
NEUROENDOCRINOLOGY LETTERS 2003, Vol 24, Suppl 1, pp 14 – 24
3. Marazzi A, Ruffieux C, Cornelissen G, et al.  
NEUROENDOCRINOLOGY LETTERS 2003, Vol 24, Suppl 1, pp 105 -110
3. Siegelova J; Cornelissen G; Schwartzkopff O; et al  
NEUROENDOCRINOLOGY LETTERS 2003, Vol 24, Suppl 1, pp 126 – 131
4. Tarquini R; Perfetto F; Laffi G; et al.  
NEUROENDOCRINOLOGY LETTERS 2003, Vol 24, Suppl 1, pp 171-174

KELLEROVA E: Stimulus-induced changes and circadian and ultradian periodicities of blood pressure and heart rate in newborns In: *Neuroendocrinology Letters* Vol. 24, Suppl.1, 2003, p. 92 – 95.

Citácie z WOS 2

- 1.Cornelissen G; Halberg F; Schwartzkopff O; et al.  
NEUROENDOCRINOLOGY LETTERS 2003, Vol 24, Suppl 1, pp 14 - 24
- 2.Tarquini R; Perfetto F; Laffi G; et al.  
NEUROENDOCRINOLOGY LETTERS 2003, Vol 24, Suppl 1, pp 171-174

KRISTEK,F. - GEROVA,M. Myoendothelial relations in the conduit coronary-artery of the dog and rabbit In *Journal of Vascular Research*. Vol. 29, no. 1, 1992, p. 29-32.

Citácie z WOS: 1

1. Dora KA, Sandow SL, Gallagher NT, Takano H, Rummery NM, Hill CE, Garland CHC  
JOURNAL OF VASCULAR RESEARCH 2003, Vol. 40, Iss 5, pp 480-490

RALEVIC,V. - KRISTEK,F. - HUDLICKA,O. - BURNSTOCK,G. A new protocol for removal of the endothelium from the perfused rat hindlimb preparation. In *Circulation Research*. Vol. 64 , no. 6, 1989, p. 1190-1196.

Citácie z WOS: 1

1. Tanaka M, Kanatsuka H, Ong BH, Tanikawa T, Uruno A, Komaru T, Koshida R, Shirato K  
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY 2003, Vol 285, Iss 5, pp H1939-H1948

STANKOVA,J.- SEDLACKOVA,M. - KRISTEK,F. - CECH,S. A morphometric comparative-study of healthy and atretic human primordial and primary follicles. In *Zeitschrift Fur Mikroskopisch-Anatomische Forschung*. Vol. 99, no. 3, 1985, p. 510-518

Citácie z WOS: 1

1. Motta PM, Nottola SA, Familiari G, Makabe S, Stallone T, Macchiarelli G  
INTERNATIONAL REVIEW OF CYTOLOGY-A SURVEY OF CELL BIOLOGY 2003, Vol 223, pp 177-288

KUKAN,M. - VAJDOVA,K. - LUTTEROVA,M. - KRISTEK,F.- KEBIS,A. - KUBA,D. - HORECKY,J. Improvement of rat liver function by energy repletion after the preservation period: Implications for hepatic graft management. In *Cryobiology*. Vol. 43, no. 4, 2001, p. 303-309

Citácie z WOS: 1

1. Busuttill RW, Tanaka K  
LIVER TRANSPLANTATION 2003, Vol 9, Iss 7, pp 651-663

JACKOWSKI,A. - CROCKARD,A. - BURNSTOCK,G. - ROSSRUSSEL,R. - KRISTEK,F.  
The time course of intracranial pathophysiological changes following experimental subarachnoid hemorrhage in the rat. In *Cerebr Blood F Met.* Vol. 10, no. 6, 1990, p. 835-849.

Citácie z WOS: 3

1. Suzuki H, Muramatsu M, Kojima T, Taki W  
STROKE 2003, Vol 34, Iss 12, pp 2796-2800
2. Ono S, Date I, Onoda K, Ohmoto T  
NEUROLOGICAL RESEARCH 2003, Vol 25, Iss 4, pp 383-389
3. Prunell GF, Mathiesen T, Diemer H, Svendgaard NA  
NEUROSURGERY 2003, Vol 52, Iss 1, pp 165-175

ŠTOLC,S. – VLKOLINSKÝ,R. – PAVLÁSEK,J. Neuroprotection by the pyridoinol Stobadine. A minireview. In *Brain Research Bulletin.* Vol. 42, no. 5 (1997), p. 335-340.

Citácie z WOS: 1

1. Navarova, J; Ujhazy, E; Liska, J; et al.  
METHODS AND FINDINGS IN EXPERIMENTAL AND CLINICAL PHARMACOLOGY 2003, Vol. 9, Iss 25, pp 717-721

PECHANOVA,O. - BERNATOVA,I. Effect of captopril on cyclic nucleotide concentrations during long-term NO synthase inhibition. In *Physiological Research.* Vol. 49, no. 1, 2000, p. 55-63.

Citácie z WOS: 1

1. Ibrahim MA, Satoh N, Ueda S  
ADVANCES IN THERAPY 2003, Vol 20, Iss 3, pp 143-148

PECHANOVA,O. - BERNATOVA,I. - PELOUCH,V. - SIMKO,F. Protein remodelling of the heart in NO-deficient hypertension: The effect of captopril. In *J Mol Cell Cardiol.* Vol. 29, no. 12, 1997, p. 3365-3374.

Citácie z WOS: 1

1. Zhang Y, Carreras D, de Bold AJ  
CARDIOVASCULAR RESEARCH 2003, Vol 57, Iss 1, pp 158-167

PECHANOVA,O. - BERNATOVA,I. - PELOUCH,V. - BABAL,P. L-NAME-induced protein remodeling and fibrosis in the rat heart. In *Physiological Research.* Vol. 48, no. 5, 1999, p. 353-362.

Citácie z WOS: 2

1. Valente EGA, Vernet D, Ferrini MG, Qian A, Rajfer J, Gonzalez-Cadavid NF  
NITRIC OXIDE-BIOLOGY AND CHEMISTRY 2003, Vol 9, Iss 4, pp 229-244

2. Ye VZC, Hodge G, Yong JLC, Duggan KA  
ACTA PHYSIOLOGICA SCANDINAVICA 2003, Vol 179, Iss 4, pp  
353-360

PECHANOVA,O. - KASHIBA,M. - INOUE,M. Role of glutathione in stabilization of nitric oxide during hypertension developed by inhibition of nitric oxide synthase in the rat. In *Japanese Journal of Pharmacology*. Vol. 81, no. 2, 1999, p. 223-229.

Citácie z WOS: 2

1. Bukowska B, Goszczynska K, Duda W  
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY 2003, Vol 77, Iss  
3, pp 92-98
2. Bukowska M  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-  
TOXICOLOGY & PHARMACOLOGY 2003, Vol 135, Iss 4, pp 435-441

BABAL,P. - PECHANOVA,O. - BERNATOVA,I. - STVRTINA,S. Chronic inhibition of NO synthesis produces myocardial fibrosis and arterial media hyperplasia. In *Histology and Histopathology*. Vol. 12, no. 3, 1997, p. 632-629.

Citácie z WOS: 2

1. Ulicna O, Greksak M, Vancova O, Zlatos L, Galbavy S, Bozek P, Nakano M  
PHYSIOLOGICAL RESEARCH 2003, Vol 52, Iss 4, pp 461-466
2. Frangogiannis NG  
HISTOLOGY AND HISTOPATHOLOGY 2003, Vol 18, Iss 2, pp 647-  
655

HALCAK,L. - PECHANOVA,O. - ZIGOVA,Z. - KLEMOVA,L. - NOVACKY,M. - BERNATOVA,I. Inhibition of NO synthase activity in nervous tissue leads to decreased motor activity in the rat. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 143-149.

Citácie z WOS: 1

1. Kaya M, Kalayci R, Kucuk M, Arican N, Elmas I, Kudat H, Korkut F  
LIFE SCIENCES 2003, Vol 73, Iss 25, pp 3235-3244

SIMKO,F. - PECHANOVA,O. - BERNATOVA,I. - GVOZDJAKOVA, A. - KUCHARSKA,J. - HULIN,I. - BADA,V. - TURCANI,M. Effect of captopril on the development of left ventricular hypertrophy in rabbits with aortic insufficiency. In *Physiological Research*. Vol. 46, no. 6, 1997, p. 419-425.

Citácie z WOS: 1

1. Li Y, Lu ZY, Xiao JM, Zhang CT, Ma J, Liu M  
CHINESE MEDICAL JOURNAL 2003, Vol 116, Iss 12, pp 1795-1798

ANDRÁSYOVÁ, D. – REGECOVÁ, V. - ČIŽMÁROVÁ, E. – RUTTKAY-NEDECKÝ, I.:  
The spacial angle between integral vectors QRS and STT as an indicator of adrenergic  
tonization of the working myocardium. In: *Physiological Research*, Vol.47, no. 3, 1998, 1p

Citácie z WOS: 1

1. Kitzlerová E, Slavicek J, Pisvejcova K, et al.:  
PHYSIOLOGICAL RESEARCH, 2003, Vol 52, Iss 3, pp 319-325.

RUTTKAY-NEDECKÝ, I. Elektrické pole srdca. 1. vyd. Bratislava : Veda, 1983. 264s.

Citácie z WOS : 1

1. Kitzlerová E; Slaviček J; Pisvejcová K; et al.  
PHYSIOLOGICAL RESEARCH 2003, Vol 52, Iss 3, pp 319-325

RUTTKAY-NEDECKÝ, I. – VANŽUROVÁ, E. – SZATHMÁRY, V. – KANÁLIKOVÁ, K.  
– OSVALD, R. Role of left-ventricular geometry in the alternation of initial QRS vectors due  
to concentric ventricular hypertrophy. In *Journal of Electrocardiology* Vol. 27, no. 4, 1994, p.  
301- 309.

Citácie z WOS: 1

1. Faulkner JA  
JOURNAL OF APPLIED PHYSIOLOGY 2003, Vol. 27, Iss. 2, pp. 455-459.

SMIESKO, V. - JOHNSON, P.C. The arterial lumen is controlled by flow-related shear-stress.  
In *News Physiol Sci*. Vol. 8, 1993, p. 34-38.

Citácie z WOS: 1

1. Hilgers RHP, Bergaya S, Schiffers PMH, Meneton P, Boulanger CM,  
Henrion D, Levy BI, De Mey JGR  
ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY  
2003, Vol 23, Iss 10, pp 1826-1832

SMIESKO, V. - KOZÍK, J. - DOLEZEL, S. Role of endothelium in the control of arterial  
diameter by blood-flow. In *Blood Vessels*. Vol. 22, no. 5, 1985, p. 247-251.

Citácie z WOS: 3

1. Del Campo C  
TEXAS HEART INSTITUTE JOURNAL 2003, Vol 30, Iss 3, pp 170-175
2. Bagi Z, Hamar P, Antus B, Rosivall L, Koller A  
KIDNEY & BLOOD PRESSURE RESEARCH 2003, Vol 26, Iss 1, pp 19-  
26
3. McCulloch TJ, Thompson CL, Dunne T  
JOURNAL OF NEUROSURGICAL ANESTHESIOLOGY 2003, Vol 15,  
Iss 2, pp 126-130



SMIESKO,V. - LANG,D.J. - JOHNSON,P.C. Dilator response of rat mesenteric arcading arterioles to increased blood-flow velocity. In *American Journal of Physiology*. Vol.257, no. 6 part 2, 1989, p. H1958-1965.

Citácie z WOS: 2

1. Sato E, Sakamoto T, Nagaoka T, Mori F, Takakusaki K, Yoshida A  
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 2003,  
Vol 44, Iss 11, pp 4947-4953
2. Cheung YF, Ho MHK, Cheng VYW  
ANNALS OF THORACIC SURGERY 2003, Vol 75, Iss 3, pp 947-951

CABEL,M. - SMIESKO, V. - JOHNSON,PC. Attenuation of blood flow induced dilation in arterioles after muscle contraction. In *American Journal of Physiology*. Vol. 266, no. 5, 1994, p. 2114-2121.

Citácie z WOS: 1

1. Sato E, Sakamoto T, Nagaoka T, Mori F, Takakusaki K, Yoshida A  
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 2003,  
Vol 44, Iss 11, pp 4947-4953

TOROK,J. - BABAL,P. - MATUSKOVA, J. - LUPTAK,I. - KLIMES,I. - SIMKO,F. Impaired endothelial function of thoracic aorta in hereditary hypertriglyceridemic rats. In *Lipids and Insulin Resistance: The Role of Fatty Acid Metabolism and Fuel Partitioning Annals of The New York Academy of Sciences*. Vol. 967, 2002, p. 469-475.

Citácie z WOS: 1

1. de las Heras N, Cediél E, Oubina MP, Aragoncillo P, Sanz-Rosa D,  
Lahera V, Cachofeiro V  
CLINICAL SCIENCE 2003, Vol 104, Iss 4, pp 357-365

TOROK,J. Histamine-induced relaxation in pulmonary artery of normotensive and hypertensive rats: Relative contribution of prostanoids, nitric oxide and hyperpolarization. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 107-114.

Citácie z WOS: 2

1. Lau WH, Kwan YW, Au ALS, Cheung WH  
EUROPEAN JOURNAL OF PHARMACOLOGY 2003, Vol 470, Iss 1-2,  
pp 45-55
2. Morio Y, Carter EP, Oka M, McMurtry IF  
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND  
CIRCULATORY PHYSIOLOGY 2003, Vol 284, Iss 5, pp H1762-H1770

TOROK,J. - GVOZDJAKOVA,A. - KUCHARSKA,J. - BALAZOVJECH,I. - KYSELA,S. - SIMKO,F. - GVOZDJAK,J. Passive smoking impairs endothelium-dependent relaxation of isolated rabbit arteries. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 135-141.

Citácie z WOS: 1

1. Guan ZZ, Yu WF, Nordberg A  
NEUROCHEMISTRY INTERNATIONAL 2003, Vol 43, Iss 3, pp 243-249

### Citácie mimo WOS

#### Citácia v monografii

SZATHMÁRY, V. - OSVALD, R. An interactive computer model of propagated activation with analytically defined geometry of ventricles. In *Computers and Biomedical Research*, Vol. 27, no. 1, 1994, p. 27-38.

#### Citácia v monografii : 1

1. TITOMIR L.I; TRUNOV V.G; AJDU E.A.I.: NEINVAZIVNAJA ELEKTROKARDIOTOPOGRAFIJA, Nauka, Moskva 2003, ss.198.-

#### Ostatné citácie

KELLEROVÁ E, VIGAŠ M, KVETŇANSKÝ R, JEŽOVÁ D.: The influence of Dopamine on the maximal spatial repolarization vector of the human heart. *In:Electrocardiology '83* , Eds.: Ruttkay-Nedecký I, MacFarlane P. Excerpta Medica, Amsterdam, 1984, 78-83

#### Ostatne citacie : 1

1. REGECOVÁ V. – ANDRASYOVÁ D.:  
JOURNAL OF ARRHYTHMOLOGY 2000, Vol. 19,  
(nebolo doteraz uvedené)

RUTTKAY-NEDECKÝ, I. Effects of respiration and heart position on the cardiac electric field . In: Nelson CV, Geselowitz DB eds.: The Theoretical Basis of Electrocardiology, Clarendon Press, Oxford 1976, p. 120-134.

#### Ostatné citácie : 2

1. AIDU EAI; TRUNOV VG; TITOMIR LI; CAPDEROU A; VAĎDA P  
Transformation of vectorcardiogram due to gravitation alteration. In Frollo I., Tyšler M. Plačková, A. *Measurement 2003. Proceedings 4<sup>th</sup> International Conference on Measurement, Smolenice, Slovak Republik, June 15-19, 2003*, VEDA, Bratislava 2003, p. 169-172.
2. AIDU EAI; TRUNOV VG; TITOMIR LI; CAPDEROU A; VAĎDA P  
*MEASUREMENT SCIENCE REVIEW*, 2003, 3, 29-32

SZATHMÁRY, V. New results of computer simulation of the spread of excitation in the myocardium (in Slovak, English summary). In *Bratisl Lek Listy*, 1989, 90, 129-134 .

Ostatné citácie : 1

1. RUTTKAY-NEDECKÝ I  
BRATISLAVSKÉ LEKÁRSKE LISTY, 2001, 102, 412-416.  
(nebolo doteraz uvedené)

SZATHMÁRY, V. – RUTTKAY-NEDECKÝ, I. - OSVALD, R. Computer simulation of propagated activation in different types of left ventricular enlargement. In *Computer Methods and Programs in Biomedicine*, Vol. 44, no. 2, 1994, p.85-91.

Ostatné citácie : 1

1. KOZLÍKOVÁ K; MARTINKA J; MURÍN J  
INTERNATIONAL JOURNAL OF BIOELECTROMAGNETISM, 2003,  
Vol. 5, Iss. 1, pp.199-200.

SZATHMÁRY, V. – RUTTKAY-NEDECKÝ, I. Model study of effects of different repolarization patterns in the left and right ventricle on the resultant cardiac vectors. In DE AMBROGGI L. *ELECTROCARDIOLOGY 2000*, Casa Editrice Scientifica Internazionale, Roma, 2001, p. 97-102.

Ostatné citácie : 1

1. TYŠLER M; TURZOVÁ M; ŠVEHLÍKOVÁ J  
INTERNATIONAL JOURNAL OF BIOELECTROMAGNETISM 2003,  
Vol. 5, Iss. 1, pp. 99-100.

SZATHMÁRY, V. - OSVALD, R. An interactive computer model of propagated activation with analytically defined geometry of ventricles. In *Computers and Biomedical Research*, Vol. 27, no. 1, 1994, p. 27-38.

Ostatné citácie : 2

1. SZAKOLCZAI K; KOZMANN GY  
INTERNATIONAL JOURNAL OF BIOELECTROMAGNETISM, 2003,  
Vol. 5, Iss. 1, pp. 234-2352.
2. TYŠLER M. Modelovanie povrchových EKG potenciálov. In *Veda na oboch brehoch Dunaja. Prednášky z konferencie – Naše spoločné akademické výskumy*. Kalligram, Bratislava 2003, p. 28-36 (maď.), p. 101-109 (slov.).

SZATHMÁRY, V. – RUTTKAY-NEDECKÝ, I. Etalon (standard) for surface potential distribution produced by electrical activity of the heart. In *Physiologia Bohemoslovaca*, Vol. 30, no. 3, 1981, p. 231-236.

Ostatné citácie : 1

1. FILIPOVA S; TYSLER M; TURZOVA M; ROSÍK V

SZATHMÁRY, V. – RUTTKAY-NEDECKÝ, I. Model study of effects of different repolarization patterns in the left and right ventricle on the resultant cardiac vectors. In: L. De Ambroggi (ed.): ELECTROCARDIOLOGY 2000, Roma, Casa Editrice Scientifica Internazionale, 2001, p. 97-102.

Ostatné citácie : 2

1. TYŠLER M; TURZOVÁ M; ŠVEHLÍKOVÁ J . IN FROLLO I., TYŠLER M. PLAČKOVÁ, A. *Measurement 2003. Proceedings 4<sup>th</sup> International Conference on Measurement, Smolenice, Slovak Republik, June 15-19, 2003*, VEDA, Bratislava 2003, p. 173-176.
2. TYŠLER M; TURZOVÁ M; ŠVEHLÍKOVÁ J  
MEASUREMENT SCIENCE REVIEW, 2003, 3, 37-40.

JAGLA, F. – KUKUMBERG, P. – JERGELOVÁ, M. : Central and peripheral oculomotor manifestations in panic disorder. In: *G.F.Goldwurm, F.Colombo, S.Masarakı (Eds) : Neuropsychophysiology and behavioural interventio in psychosomatics, stress disorder and health promotion, CIANS, Milano, 2002, 171-176.*

Ostatné citácie : 1

1. ZIKMUND V. – HOMEOSTASIS – V42, No. 5 - 2003 - P242

Príloha č. 4

**ÚDAJE O PEDAGOGICKEJ ČINNOSTI PRACOVISKA**

**Prednášky :**

**MUDr. Fedor Jagla, CSc.**

Semestrálny predmet: Neurofyziológia  
36 hodín (3 hodiny týždenne)

Katedra psychológie, FiF UK, Bratislava

**Doc.MUDr. J.Török, CSc.**

Semestrálny predmet : 1) Patofyziológia  
24 hodín (2 hodiny týždenne)  
2) Fyziológia srdcovej sústavy  
18 hodín (2 hodiny týždenne)

Katedra živočíšnej fyziológie a etológie PrFUK, Bratislava

**RNDr.O.Pecháňová, CSc.**

Semestrálny predmet : Fyziologická biochémia  
24 hod (2 hodiny týždenne)

Katedra živočíšnej fyziológie a etológie PrFUK, Bratislava

**MUDr. E.Kellerová, DrSc.**

Garant predmetu Patologická fyziológia na FVZ SZU

Semestrálny predmet: 1) Anatómia a fyziológia  
Odbor ošetrovateľstvo 2.roč  
28 hodín – letný semester

Fakulta ošetrovateľstva a zdravotníckych odborných štúdií,  
Slovenská zdravotnícka univerzita, Bratislava

***(Prednášky pokračovanie)***

**MUDr.E.Kellerová,DrSc.**

Semestrálny predmet : 2) Patologická fyziológia  
Odbor verejné zdravotníctvo – externá forma  
postgraduálneho štúdia  
11 hodín – zimný semester

Fakulta verejného zdravotníctva, Slovenská zdravotnícka univerzita,  
Bratislava

**Cvičenia :**

**MUDr.F.Jagla,CSc., MUDr.M.Jergelová,CSc., MUDr.I.Riečanský,PhD**

Semestrálne cvičenia z psychofyziológie  
Spolu 40 hodín (4 hodiny týždenne)  
Katedra psychológie FiF UK, Bratislava

**RNDr. V. Regecová**

Semestrálne cvičenie: Vývin krvného tlaku, metodika a techniky merania a  
hodnotenia (2 hodiny)  
Katedra živočíšnej fyziológie a etológie PrirFUK, Bratislava

**RNDr. V. Szathmáry, CSc.**

Semestrálne cvičenie: Elektrofyziológia srdcového svalu a jeho analýza  
počítačovým modelom (2 hodiny)  
Katedra živočíšnej fyziológie a etológie, PrirFUK, Bratislava

Príloha č. 5

Údaje o medzinárodnej vedeckej spolupráci

(A) Vyslanie vedeckých pracovníkov do zahraničia na základe dohôd:

Krajina	Druh dohody					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Rumunsko					F.Jagla	6
Česká Republika	O.Pecháňová	18			F.Jagla	4
	F.Kristek	3			F.Jagla	2
	I.Bernátová	12			F.Jagla	2
	S.Kojšová	4				
Maďarsko					F.Jagla	2
Fínsko	S.Kojšová	14				
Taliansko	F.Hlavačka	7				
	N.Adamcová	10				
USA			F.Hlavačka	30		
Počet vyslaní spolu	7	68	1	30	5	16

**(B) Prijatie vedeckých pracovníkov zo zahraničia na základe dohôd:**

Krajina	Druh dohody					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Rumúnsko	D.Cirneci	7			GF,Goldwurm	2
Taliansko					S.Masaraki	2
Česká Republika	J.Kuneš	12			M.Horváth	1
					M.Kukleta	1
Ruská FR	L.I.Titomir	16				
	O.V.Baum	14				
Taliansko	L.Chiari	9				
	M.Dozza	10				
Počet prijatí spolu	6	68			4	6



*(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):*

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Česká Republika	FD. Praha	F.Jagla	3
		I.Riečanský	3
		J.Török	3
		O.Pecháňová	3
		M.Urminská	3
		F.Kristek	3
		I.Bernátová	3
		S.Kojšová	3
	40. Medziodborová konf. Plzeň	F.Jagla M.Jergelová I.Riečanský	3 3 3
II.Čs-Slov. Neuro- Psychiat.sympóziom Čes.Krumlov	F.Jagla M.Jergelová	3 3	
Ruská FR	25 Annual Internatl. Meeting of Gravitat. Physiology,Moskva	F.Hlavačka	7
	8.Medzinár.Medziodb. konf.biol.psychiatrie Petrohrad	F.Jagla O.Pecháňová I.Riečanský	8 8 8
Taliansko	Proteomics in Trans- lational Research Rím	F.Kristek	4
	Treatments in Psychi- atryt,-World Congress Firencia	I.Riečanský	6
Francúzsko	Czech-Slovak-France Physiol.Days Montpellier	O.Pecháňová	10
		I.Bernátová	4
		S.Kojšová	6
Poľsko	5 Joint Meeting of Int.Society for Holter and Noninvasive Electrocardiology	V.Szathmáry	3
USA	Congress of Experi- mental Biology	I.Bernátová	7
Brazília	20 <sup>th</sup> Scient.M.eeting of Intl.Soc. Hypertension	O.Pecháňová	11
7	11	25	121

