

### Príloha č. 3

#### **10. Kapitoly v knižných odborných publikáciách vydaných v zahraničí**

KRISTEK, F. - TÖRÖK, J. Pentaerithryltetranitrat (PETN) schützt hämodynamische Funktionen und morphologische strukturen in aortalen Gefäßpräparationen. In MUTSCHLER, E. - ZEIHNER, A.M. - STALLEICKEN, D. *Pentaerithryl-tetranitrat endotheliale Dysfunktion-NO-Substitution als evidenzbasiertes Therapieprinzip*. Darmstadt: Steinkopff Verlag Darmstadt, 2003, p. 41-54.

#### **13. Vedecké práce v časopisoch evidovaných v Current Contents**

BERNÁTOVÁ, I. - DUBOVICKY, M. - PRICE, WA. - GRUBBS, RD. - LUCOT, JB. - MORRIS, M. Effect of chronic pyridostigmine bromide treatment on cardiovascular and behavioral parameters in mice. In *Pharmacology Biochemistry and Behavior*. Vol. 74, no. 4, 2003, p.901-907. (IF 1.741)

RIGATTO, K. - PURYEAR, R. - BERNÁTOVÁ, I. - MORRIS, M. Salt appetite and the renin-angiotensin system: effect of oxytocin deficiency. In *Hypertension*. Vol. 42, no. 4, 2003, p.793-797. (IF 5.013)

KELLEROVÁ, E. Stimulus – induced changes and circadian and ultradian periodicities of blood pressure and heart rate in newborns. In *Neuroendocrinology Letters*. Vol.24, no. Suppl.1, 2003, p. 92-95. (IF 1.28)

KRISTEK, F. - FÁBEROVÁ, V. - VARGA, I. Long-term effect of molsidomine and pentaerythryl tetranitrate on cardiovascular system of spontaneously hypertensive rats. In *Physiological Research*. Vol. 52, no.6, 2003, p. 709-717. (IF 0.984)

ORLICKÝ, J. - GMUCOVÁ, K. - THURZO, I. - PAVLÁSEK, J. Monitoring of oxidation steps of ascorbic acid redox reaction by kinetics-sensitive volt-coulometry in unsupported and supported aqueous solutions and real samples. In *Analytical Sciences*. Vol. 19, 2003, p. 505-509. (IF 0.844 v roku 2002)

PAVLÁSEK, J. - JENČA, J. - HARMAN, R. Rate coding: neurobiological network performing detection of the difference between mean spiking rates. In *Acta Neurobiologiae Experimentalis*. Vol. 63, 2003, p. 83-98. (IF 0.910 v roku 2002)

JAVORKOVÁ, V. - PECHÁŇOVÁ, O. - ANDRIANTSITOHAINA, R. - VRBJAR, N. Effect of polyphenolic compounds on the renal Na(+),K(+)-ATPase during the restoration of normotension after experimentally induced hypertension in rats. In *Experimental Physiology*. Vol. 88, no. 4, 2003, p. 475-482. (IF 1,695)

JAVORKOVÁ, V. - PECHÁŇOVÁ, O. - ANDRIANTSITOHAINA, R. - VRBJAR, N. Effect of polyphenolic compounds on the renal Na(+),K(+)-ATPase development and persistence of hypertension in rats. In *Experimental Physiology*. Vol. 89, no. 6, 2003, p. 73-81. (IF 1,695)

RAJSKÁ, P. - PECHÁŇOVÁ, O. - TAKÁČ, P. - KAZIMIROVA, M. - ROLLER, L. - VIDLIČKA, L. - ČIAMPOR, F. - LABUDA, M. - NUTTALL, PA. Vasodilatory activity in horsefly and deerfly salivary glands. In *Medical and Veterinary Entomology*. Vol. 17, no. 4, 2003, p. 395-402. (IF 0,910)

ZICHA, J. - PECHÁŇOVÁ, O. - DOBEŠOVÁ, Z. - KUNEŠ, J. Hypertensive response to chronic NG-nitro-L-arginine methyl ester (L-NAME) treatment is similar in immature and adult Wistar rats. In *Clinical Science*. Vol. 105, no.4, 2003, p. 483-489. (IF 1,941)

VOKURKOVÁ, M. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. - ZICHA, J. Erythrocyte ion transport and membrane lipid composition in young and adult rats with NO-deficient hypertension. In *Life Sciences*. Vol. 73, no. 13, 2003, p. 1637-1644. (IF 1,824)

ZENEBE, W. - PECHÁŇOVÁ, O. - ANDRIANTSITOHAINA, R. Red wine polyphenols induce vasorelaxation by increased nitric oxide bioactivity. In *Physiological Research*. Vol. 52, no. 4, 2003, p. 425-432. (IF 0,984)

ZIKMUND, V. Health, well-being, and the quality of life: Some psychosomatic reflections. In *Neuroendocrinology Letters*. Vol.24, no. 6, 2003, p. 401-403. (Guest editorial, IF 1.28)

ZIKMUND, V. Ambiguity in the visual world: Eye movements and information selection from ambivalent optokinetic stimuli. In *Studia Psychologica*. Vol. 45, no. 6, 2003, p. 295-305. (IF = 0.1)

### 13a. Abstrakty v časopisoch evidovaných v CC

BERNÁTOVÁ, I. - BABÁL, P. - PRICE, W.A. - GRUBBS, R.D. - MORRIS, M. Effect of pyridostigmine bromide treatment on cardiovascular system in mice. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 55P. <sup>\*\*+</sup>p.23.

BERNÁTOVÁ, I. - RIGATTO, K.V. - KEY, M.P. - MORRIS, M. Stress responsiveness in oxytocin knockout mice. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 56P. <sup>\*\*+</sup>p.25.

GEROVÁ, M. - TÖRÖK, J. Effect of agmatine on cardiovascular system and its linking to nitric oxide synthase. In *Physiological Research*. Vol. 52, no. 6, 2003, p.26P. <sup>+</sup>p.30.

RAVINGEROVÁ, T. - ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - GEROVÁ, M. - STYK, J. Myocardial ischaemic tolerance is modulated in NO deficient hypertensive rats. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 53P. <sup>\*\*+</sup>p.18.

JAGLA, F. - JERGELOVÁ, M. - RIEČANSKÝ, I. Can nitric oxide be involved in panic disorder? A theoretical consideration. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 55P. <sup>\*\*+</sup>p.24.

JANEGA, P. - ČERNÁ, A. - PECHÁŇOVÁ, O. - ZENEBE, W. - BABÁL, P. Can red wine polyphenols have protective effect on liver damage? In *Physiological Research*. Vol. 52, no. 6, 2003, p. 53P. <sup>\*\*+</sup>p.19.

KOJŠOVÁ, S. - FERÁKOVÁ, E. Detection of R243X and Y414C mutations in the phenylalanine hydroxylase (PAH) gene. Relation of PAH and NO synthase. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 56P. <sup>\*\*\*</sup>p.26.

KOPRDOVÁ, R. - KRISTEK, F. Long-term effect of nitric oxide donors on geometry and ultrastructure of basilar artery of SHR. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 51P. <sup>\*\*\*</sup>p.14.

KRISTEK, F. - GEROVÁ, M. Geometry and structure of conduit arteries in offspring of hypertensive NO defective rats. In *Physiological Research*. Vol. 52, no. 3, 2003, p. 31P. <sup>+</sup>p.35.

F. KRISTEK, F. - GEROVÁ, M. - TÖRÖK, J. - Lehocký, M. Characteristics of conduit arteries in newborns of NO defective hypertensive rats. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 54P. <sup>\*\*\*</sup>p.22.

KRISTEK, F. - TÖRÖK, J. - VARGA, I. Beneficial effect of pentaerythryl tetranitrate in experimental hypertension. In *Journal of Hypertension*. Vol. 21, suppl. 4, 2003, p. S200.

KRISTEK, F. - URMINSKÁ, M. - KUNEŠ, J. - DOBEŠOVÁ, Z. Geometry of conduit arteries of hypertriglyceridemic rats during ontogenic development. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 51P. <sup>\*\*\*</sup>p.15.

LÍŠKOVÁ, S. - TÖRÖK, J. Effect of melatonin on activity of smooth muscle in pulmonary artery from normotensive and spontaneously hypertensive rats. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 51P. <sup>\*\*\*</sup>p.14.

PECHÁŇOVÁ, O. - CAPIKOVÁ, D. The effect of captopril thiol group in the prevention of hypertension. In *Journal of Hypertension*. Vol. 21 (Suppl 4), 2003, p. S202.

PECHÁŇOVÁ, O. - HORNIÁKOVÁ, L. - ZENEBE, W. - ANDRIANTSITOHAINA, R. The effect of red wine polyphenols on the behaviour parameters of normotensive and spontaneously hypertensive rats. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 54P. <sup>\*\*\*</sup>p.20.

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - CAPIKOVÁ, D. - ZAVILLOVÁ, I. The cross-talk of nitric oxide, angiotensin II and free oxygen radicals in experimental hypertension, In *Journal of Hypertension*. Vol. 21 (Suppl 4), 2003, p. S195.

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - ZENEBE, W. - ANDRIANTSITOHAINA, R. Wine polyphenols increase NO synthase expression and its activity in both normotensive and hypertensive rats. In *Journal of Hypertension*. Vol. 21 (Suppl 4), 2003, p. S195.

PECHÁŇOVÁ, O. - ZÍCHA, J. - ZENEBE, W. - DOBEŠOVÁ, Z. - KUNEŠ, J. The effect of N-acetylcysteine treatment on the development of spontaneous hypertension. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 50P. <sup>\*\*\*</sup>p.13.

PECHÁŇOVÁ, O. - ZENEBE, W. - KYSELA, S. - ANDRIANTSITOHAINA, R. Acute and long-lasting effects of red wine polyphenolic compounds on the vasoactivity of conduit arteries. In *Journal of Hypertension*. Vol. 21 (Suppl 4), 2003, p. S20.

ZIČHA, J. - PECHÁŇOVÁ, O. – DOBEŠOVÁ, Z. - KUNEŠ, J. Vasoactive systems in chronic L-NAME hypertension: The role of inducible NOS. In *Journal of Hypertension*. Vol. 21 (Suppl 4), 2003, p. S15.

BABÁL, P. - ČERNÁ, A. - PECHÁŇOVÁ, O. - KRISTOVÁ, V. - SLOBODOVÁ, Z. Reduction of experimental endothelium by red wine polyphenols. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 53P. <sup>\*\*\*</sup>p.19.

RAUCHOVÁ, H. - VOKURKOVÁ, M. - PECHÁŇOVÁ, O. - ZÍČHA, J. - KUNEŠ, J. Oxygen radicals in rats with NO-deficient hypertension or salt hypertension. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 49P. <sup>\*\*\*</sup>p.10.

ZIČHA, J. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. Hypertensive response to chronic L-NAME treatment is similar in immature and adult Wistar rats. In *Journal of Hypertension*. Vol. 21 (Suppl 4), 2003, p. S205.

ZÍČHA, J. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. The balance of nitric oxide and pressor systems in various forms of experimental hypertension in the rat. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 49P. <sup>\*\*\*</sup>p.18.

KOLÁŘ, F. - SZÁRSZOI, O. - NECKÁŘ, J. - PECHÁŇOVÁ, O. - MIKOVÁ, D. - HAMPL, V. - OŠTÁDAL, B. Role of nitric oxide and reactive oxygen species in reperfusion-induced arrhythmias and cardioprotection in chronically hypoxic rat hearts. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 52P. <sup>\*\*\*</sup>p.17.

REGECOVÁ, V. The relationship between age, obesity and subcutaneous fat distribution in slovak urban hypertensive subjects. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 52P. <sup>\*\*\*</sup>p.25.

REGECOVÁ, V. – KELLEROVÁ, E. – ANDRÁSYOVÁ, D. Influence of the body position on the maximal spatial T-vector in boys and young men with increased diastolic blood pressure. In *Physiological Research*. Vol. 52, no. 3, 2003, p. 38P. <sup>+</sup>p.45.

TÖRÖK, J. - KRISTEK, F. - GEROVÁ, M. - KUNEŠ, J. - DOBEŠOVÁ, Z. Endothelial function of conduit artery in newborn rats with hereditary hypertriglyceridemia. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 52P. <sup>\*\*\*</sup>p.16.

TÖRÖK, J. - PECHÁŇOVÁ, O. - MATUŠKOVÁ, J. - ŠIMKO, F. Improvement of vascular endothelial function by simvastatin treatment in hereditary hypertriglyceridemic rats. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 52P. <sup>\*\*\*</sup>p.16.

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - KRAJČIROVIČOVÁ, K. - ŠIMKO, F. Simvastatin improves endothelial function of aorta in hereditary hypertriglyceridemic rats. In *Physiological Research*. Vol.52, no.3, 2003, p. 43P.

URMINSKÁ, M. - KRISTEK, F. Geometry of the carotid artery of Wistar rats and SHR in the course of the ontogenic development. In *Physiological Research*. Vol. 52, no.3, 2003, p. 43P.

URMINSKÁ, M - KRISTEK, F. Geometry of the coronary artery of SHR and Wistar rats during ontogenic development. In *Physiological Research*. Vol. 52, no. 6, 2003, p. 54P. <sup>\*\*\*</sup>p.23.

*Poznámky:*

<sup>+</sup> p. xy Súhrn publikovaný aj v *Sborník abstraktů, 79. Fyziologické dny, 5.-7. února 2003, Plzeň, Česká republika*. Plzeň, Lékařská fakulta UK, 2003, p. xy.

<sup>\*\*\*</sup>p. xy Súhrn publikovaný aj v *Abstracts: Third International Symposium - NITRIC OXIDE – from molecular level to clinical application, Brač – Croatia, 12.-15. September 2003*. Bratislava, Inst. norm. patol. physiol, SASci, 2003, p. xy.

#### 14. vedecké práce v ostatných časopisoch

HLAVAČKA, F. - DZURKOVÁ, O. - KORNILOVA, LN. Vestibular and somatosensory interaction during recovery of balance instability after spaceflight. In *J Gravit Physiol*. 2001, vol. 8(1), p. P89-92. (nebolo doteraz uvedené)

JAGLA, F. – JERGELOVÁ, M. – CIRNECI, D. – KUKUMBERG, P. Oculomotor and evoked potential changes in panic and depressive patients. In *Homeostasis in health and disease*. Vol. 42, no. 3-4, 2003, p. (short communication)

KRISTEK, F. - TÖRÖK, J. Protéktívny účinok pentaerythryl tetranitrátu na kardiovaskulárny systém potkanov s NO deficitnou hypertenziou. In *Ateroskleróza*, 2003, Vol. 7, č.3, s. 104-110.

REGECOVÁ, V. Somatometrické ukazovatele v súbore mladých mužov, stratifikovanom na základe vektorkardiografických parametrov elektrického poľa srdca. In *Bulletin Slovenskej antropologickej spoločnosti* Roč. 5, 2002, s. 79-84.

REGECOVÁ, V. – ANDRÁSYOVÁ, D. Vzťah antropometrických ukazovateľov a variability elektrokardiogramu. In *Vnitřní lékařství*. Roč. 48, Suppl. 1, 2002, s. 120-128.

ANDRÁSYOVÁ, D. – REGECOVÁ, V. – KELLEROVÁ, E. – TONKOVIČ, M. Vplyv adrenergických podnetov na elektrokardiografické a vektorkardiografické charakteristiky repolarizácie komôr. In *Vnitřní lékařství*. Roč. 48, Suppl. 1, 2002, s. 164-169.

RUTTKAY-NEDECKÝ, I. Ortogonálna electrocardiografia. In *Vnitřní lékařství*. Roč. 48, Suppl. 1, 2002, s. 188-191.

TYŠLER, M. – SZATHMÁRY, V. - TURZOVÁ, M. Model study of Assessment of local heart repolarization changes by several ECG methods. In *International Journal of Bioelectromagnetism*, Vol. 5, no. 1, 2003, p.252-253.

#### 14a. Abstrakty v ostatných časopisoch

BERNÁTOVÁ, I. - DUBOVICKÝ, M. - PRICE, W.A. - GRUBBS, R.D. - LUCOT, J.B. - MORRIS, M. Effect of chronic pyridostigmine bromide treatment on cardiovascular parameters and behaviour in mice. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 146. ++

BERNÁTOVÁ, I. - RIGATTO, K.V. - KEY, M.P. - MORRIS, M. Enhanced stress responsiveness in oxytocin knock-out mice. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 69. ++

ŠIMKO, F. - MATUŠKOVÁ, J. - LUPTÁK, I. - BERNÁTOVÁ, I. - PECHÁŇOVÁ, O. - BRAUNOVÁ, Z. - KUCHARSKÁ, J. - GVOZDJAKOVÁ, A. L-arginine fails to prevent heart remodeling but prevents a coenzyme Q decline in L-NAME-induced hypertension. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 147. ++

GEROVÁ, M.- TÖRÖK, J. - PECHÁŇOVÁ, O. Imidazolové receptory participujú na zvýšení tlaku pri deficiencii oxidu dusnatého. In *Cardiology*. Vol.12(4), 2003, p. K/C2H.

RAVINGEROVÁ, T. - ŠIMONČÍKOVÁ, P. - STRNISKOVÁ, M. - BARANČÍK, M. - ZIEGELHOFFER, A. - GEROVÁ, M. Tolerance to cardiac ischaemia/reperfusion injury is modulated in hypertensive rats with chronic NO deficiency. In *Experimental and Clinical Cardiology*. Vol. 8, no. 1, 2003, p. 47.

KELLEROVÁ, E. Reakcie kardiovaskulárneho systému na sympatergné podnety. In *Interná medicína*. Roč. 3, č. 6, 2003, s.390-391.

KELLEROVÁ, E. – REGECOVÁ, V. Inadekvátny rozmer tonometrickej manžety ako zdroj nepresnosti merania krvného tlaku – stály problém. In *Kardiológia*. Roč. 12, č. 4, 2003, s. K/C 4H.

KELLEROVÁ, E. – REGECOVÁ, V. Intraindividuálne rozdielne reaktívne hodnoty parametrov komorovej repolarizácie pri rovnakom trvaní R-R intervalov. In *Kardiológia* Roč. 12, Suppl.1, 2003, s.16S.

KOPRDOVÁ, R. - KRISTEK, F. Vplyv dlhodobého podávania donorov oxidu dusnatého na geometriu a štruktúru bazilárnej artérie u spontánne hypertenzných potkanov In *Kardiológia*. Vol. 12, (Suppl. 1), 2003, p. 17S.

KRISTEK, F. - GEROVÁ, M. - LEHOCKÝ, M. Compromised cardiovascular system in newborns of NO defective hypertensive rats. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 145. ++

KRISTEK, F. - KYSELÁ, S. Reactivity and geometry of iliac artery of SHR after long-term NO-donors administration. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 139. ++

KRISTEK, F. - TÖRÖK, J. Beneficial effect of pentaerythryl tetranitrate and molsidomine in NO-deficient hypertension. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 68. ++

KRISTEK, F. - TÖRÖK, J. Structural and functional pattern of arterial responses in NO-deficient and spontaneously hypertensive rats. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 143. ++

KRISTEK, F - URMINSKÁ, M. Morphological differences in ontogenesis of carotid artery in Wistar rats and SHR. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 68. ++

PECHÁŇOVÁ, O. - CAPIKOVÁ, D. The contribution of captopril thiol group in the prevention of hypertension. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 142. ++

PECHÁŇOVÁ, O. - CAPIKOVÁ, D. - ZAVILLOVÁ, I. - MATUŠKOVÁ, J. - LUPTÁK, I. - ŠIMKO, F. The effect of spironolactone on renal metabolism in relation to blood pressure. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 149. ++

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - CAPIKOVÁ, D. - ZAVILLOVÁ, I. - BABÁL, P. The cross-talk of nitric oxide and free oxygen radicals in experimental hypertension. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 146. ++

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - ZENEBE, W. - ANDRIANTSITOHAINA, R. Red wine polyphenols increase nitric oxide synthase expression and activity: Relation to blood pressure. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 141. ++ p. 76.

PECHÁŇOVÁ, O. - ZENEBE, W. - BERNÁTOVÁ, I. - ANDRIANTSITOHAINA, R. Red wine polyphenols increase nitric oxide synthase expression and activity: Relation to blood pressure. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 65-150.

MATUŠKOVÁ, J. - LUPTÁK, I. - PECHÁŇOVÁ, O. - BABÁL, P. - ŠTVRTINA, S. - ŠIMKO, F. Spironolactone Prevents Hypertension and Left Ventricular Hypertrophy Development in NO-Deficient Hypertension. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 68. ++

ZÍCHA, J. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. The balance of nitric oxide and pressor systems in various Forms of experimental hypertension in the rat. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 149. ++p.84.

BABÁL, P. - KRISTOVÁ, V. - SLÁMOVÁ, J. - PECHÁŇOVÁ, O. Red wine polyphenols prevent endothelial damage. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 150. ++

ŠIMKO, F. - MATUŠKOVÁ, J. - LUPTÁK, I. - PECHÁŇOVÁ, O. - BABÁL, P. Simvastatin fails to prevent remodeling of the left ventricle and aorta in L-name induced hypertension. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 140. <sup>++</sup>

ŠIMKO, F. - LUPTÁK, I. - MATUŠKOVÁ, J. - BABÁL, P. - PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - HULIN, I. Remodeling of the heart in the hypertriglyceridemic rat: Effect of captopril and L-Name. In *International Journal of Cardiovascular Medicine and Science*. Vol. 6, no. 2, 2003, p. 143. <sup>++</sup>

TÖRÖK, J. - MATUŠKOVÁ, J. - LUPTÁK, I. - ŠIMKO, F. - BABÁL, P. Effect of chronic captopril treatment on endothelial dysfunction in hereditary hypertriglyceridemic rats. In *International Journal of Cardiovascular Medicine and Science*. Vol.6, no. 2, 2003, p. 83. <sup>++</sup>

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O., KRAJČIROVIČOVÁ, K. - ŠIMKO, F.: Vplyv simvastatínu na endotelovú dysfunkciu u potkanov s hereditárnou hypertriglyceridémiou. In *Cardiology*. Vol.12, no.4, 2003, p. K/C8H.

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - KRAJČIROVIČOVÁ, K. - ŠIMKO, F.: Benefičný účinok simvastatínu na krvný tlak a endotelovú dysfunkciu u potkanov s hereditárnou hypertriglyceridémiou. In *Cardiology*. Vol.12(S1), 2003, p. 23S.

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 *Cardiology*. Vol.12(S1), 2003, p. 22S.

URMINSKÁ, M - KRISTEK, F. Geometria koronárnej artérie u SHR a Wistar potkanov počas ontogenetického vývoja. In *Kardiológia*. Vol. 12, (Suppl. 1), 2003, p. 24S.

*Poznámka:*

<sup>++</sup> Publikované aj v *Abstract book: Second Internationale Conference on Cardiovascular Medicine and Science, July 23-25, 2003, Washington, D.C.*, p. (xy – 65).

#### **14b. Odborné práce v ostatných časopisoch**

KELLEROVÁ, E. „Time structures – chronomes – in child development“ medzinárodná interdisciplinárna konferencia, Mníchov 29. a 30. 11. 2002, Správa. In *Československá fyziologie*. Roč. 52, č. 4, 2003, s. 186-188.

RUTTKAY-NEDECKÝ, I. – BACHÁROVÁ, L. The Czechoslovak contribution. In *International Journal of Bioelectromagnetism*, Vol. 5, no. 1, 2003, p.44-45.

#### **15a. vedecké práce v zborníkoch – recenzované**

KRISTEK, F. - GEROVÁ, M. - LEHOCKÝ, M. Different structure of conduit arteries of adult rats and their newborns after nitric oxide inhibition. In *POUJEOL, P. - PETERSEN, O. 3<sup>rd</sup> FEPS Congress*. 2003, ISBN 88-323-3143-8, p. 45-49.



HLAVAČKA, F. Human postural responses to sensory stimulations: measurements and model. In *4<sup>th</sup> International conference on measurement Measurement 2003*, June 15–19 2003, Smolenice, Slovakia, ISBN 80-967402-6-1. p.140-143.

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 FROLLO, I. – TYŠLER, M. – PLAČKOVÁ, A. *Measurement 2003. Proceedings 4<sup>th</sup> International Conference on Measurement, Smolenice, Slovak Republic, June 15-19, 2003*, VEDA, Bratislava 2003, p. 173-176.

### **15b. vedecké práce v zborníkoch – nerecenzované**

SZATHMÁRY, V. Počítačový model depolarizácie a repolarizácie srdcových komôr. In *Veda na oboch brehoch Dunaja. Prednášky z konferencie – Naše spoločné akademické výskumy*. Kalligram, Bratislava 2003, p. 26-27 (maď.), p. 99-100 (slov.).

### **15c. Abstrakty v zborníkoch:**

DZURKOVÁ, O. - ŠRAMKOVÁ, I. - HLAVAČKA, F. Postural responses to unilateral vestibular stimulation with sinusoidal galvanic currents in patients with vestibular disorders. In *3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia*, Bratislava, Inst. Normal Pathol. Physiol. SASci., p.64.

KUČEROVÁ, D. - PANCZA, D. - GEROVÁ, M. - RAVINGEROVÁ, T. Ischaemic tolerance in the chronic NO deficient rat hearts: are they more or less susceptible to ischaemia? *79.FD - Sborník Abstraktů*, Plzeň 5.-7.2. 2003, p. 36.

ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - KUČEROVÁ, D. - STRNISKOVÁ, M. - GEROVÁ, M. - RAVINGEROVÁ, T. Effects of diazoxide and deficiency on ischemia / reperfusion - induced subcellular alterations in isolated rat hearts. *79.FD - Sborník Abstraktů*, Plzeň 5.-7.2. 2003, p. 47.

HERCEGOVÁ, Z. – HLAVAČKA, F. – ROCCHI, L. Human postural responses to somatosensory and visual stimulations with different timing. In *3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia*, Bratislava, Inst. Normal Pathol. Physiol. SASci., p.63.

HLAVAČKA, F. - KLUZIK, J.- HORAK, FB. Two different somatosensory influence on postural responses to platform rotation: velocity range. In *3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia*, p.34.

DOZZA, M. - CHIARI, L. - PETERKA, R.- HORAK, FB. - HLAVAČKA, F. Controlling posture using an audio biofeedback system. In *3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia*, p.39.

WRISLEY, DM. - STATLER, KD. - HLAVAČKA, F. - PETERKA, RJ. - HORAK, FB. The relationship between impaired vestibular somatosensory reweighting, postural asymmetries,

and functional deficits in people with chronic unilateral vestibular loss. In *3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia*, p.26.

JAGLA, F. – JERGELOVÁ, M. Oculomotor and saccadic related potential changes in depressive and panic patients. *ECEM 12 – Abstracts*, University of Dundee, Scotland, UK, 2003, p. PC 35

JAGLA, F. – JERGELOVÁ, M. Effects of certain mental activities on information processing: An electrophysiological study. In *XXXIXth Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions – Abstracts*. Ústav normálnej a patologickej fyziológie SAV, 2003, 48

JENČA, J. - PAVLÁSEK, J. Decision functions in neural networks based on spikes frequency difference. In *Abstracts, 39<sup>TH</sup> Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions, October 15-17, 2003, Trenčianske Teplice*.

KELLEROVÁ, E. – REGECOVÁ, V. Blood pressure and heart rate components of the feeding response – actophysiological aspects. In *Abstracts of the XXXIXth Interdisciplinary conference on experimental and clinical study of higher nervous functions and CIANS, Trenčianske Teplice, Slovakia, October 19-17, 2000*. Bratislava, Inst. of normal and pathol. physiol, SASci., 2003, p.19.

KRISTEK, F. - GEROVÁ, M. - LEHOCKÝ, M. Different structure of conduit arteries of adult rats and their newborns after nitric oxide inhibition. *3<sup>rd</sup> FEPS Congress, Nice 28 June - 2 July 2003, Abstract book*, p. 42-43.

KRISTEK, F. - GEROVÁ, M. - LEHOCKÝ, M. Hypotrophy of conduit artery wall in offspring of nitric oxide defective rats. In *Abstract book: 13. European Meeting on Hypertension*, Milan, Italy, 2003, p. S195.

KRISTEK, F. - KYSELÁ, S. Effect of exogenous NO donors administration on reactivity and geometry of iliac artery of SHR. In *Abstract book: 13. European Meeting on Hypertension*, Milan, Italy, 2003, p. S197.

KRISTEK, F. - TÖRÖK, J. - VARGA, I. Beneficial effect of pentaerythrityl tetranitrate in experimental hypertension. In *Abstract book: 13. European Meeting on Hypertension*, Milan, Italy, 2003, p. S200.

KRISTEK, F. - URMINSKÁ, M. Geometry of carotid artery in Wistar and spontaneously hypertensive rats during ontogenesis. In *Abstract book: 13. European Meeting on Hypertension*, Milan, Italy, 2003, p. S198.

RIEČANSKÝ, I. – THIELE, A. – HOFFMANN, K-P. Chromatic motion: Perception, Behaviour, and area V5. In *XXXIXth Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions – Abstracts*. Ústav normálnej a patologickej fyziológie SAV, 2003, 48

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - KRAJČIROVIČOVÁ, K. - ŠIMKO, F. Simvastatin improves endothelial function of aorta in hereditary hypertriglyceridemic rats. 79.FD - *Sborník Abstraktů*, Plzeň 5.-7.2.2003, p. 51.

ZIKMUND, V. Eye movement regulations and mental processes: Some psychophysiological and clinical implications. In *XXXIXth Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions – Abstracts*. Ústav normálnej a patologickej fyziológie SAV, 2003, 48.

## **16. Vedecké recenzie, oponentúry**

**0**

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

### *Vyžiadané prednášky*

BERNÁTOVÁ, I. - DUBOVICKÝ, M. - PRICE, W.A. - GRUBBS, R.D. - LUCOT, J.B. - MORRIS, M. Effect of chronic pyridostigmine bromide treatment on cardiovascular parameters and behaviour in mice. Second International Conference on Cardiovascular Medicine and Science, Bethesda, Maryland, July 23-25, 2003.

JAGLA, F. Electrophysiological correlates of visual-oculomotor integration in relation to certain mental activities. Meeting of C.I.A.N.S. representatives, 12. marec 2003, Bad Kreuznach, NSR

KELLEROVÁ, E. Reakcie kardiovaskulárneho systému na sympatergné podnety. Dérerova prednáška. *XLIII. Dérerov memoriál*, Bratislava, 25. 4. 2003.

KRISTEK, F. - TÖRÖK, J. Beneficial effect of pentaerythrityl tetranitrate and molsidomine in NO-deficient hypertension. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - ZENEBE, W. - ANDRIANTSITOHAINA, R. Red wine polyphenols increase nitric oxide synthase expression and activity: Relation to blood pressure. Second International Conference on Cardiovascular Medicine and Science, Bethesda, Maryland, July 23-25, 2003.

### *Prednášky*

BERNÁTOVÁ, I. - BABÁL, P. - PRICE, W.A. - GRUBBS, R.D. - MORRIS, M. Effect of pyridostigmine bromide treatment on cardiovascular system in mice. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

BERNÁTOVÁ, I. - RIGATTO, K.V. - KEY, M.P. - MORRIS, M. Stress responsiveness in oxytocin knockout mice. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

BERNÁTOVÁ, I. Stress-induced cardiovascular responses in oxytocin knockout (OTKO) mice: Is there an antistress effect of oxytocin? Experimental Biology 2003, San Diego, USA, 11-15.4.2003

BERNÁTOVÁ, I. - DUBOVICKÝ, M. - PRICE, W.A. - GRUBBS, R.D. - LUCOT, J.B. - MORRIS, M. Effect of chronic pyridostigmine bromide treatment on cardiovascular parameters and behaviour in mice. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

BERNÁTOVÁ, I. - RIGATTO, K.V. - KEY, M.P. - MORRIS, M. Enhanced stress responsiveness in oxytocin knock-out mice. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

KEY, M.P., - FRIETZE, T. - BERNÁTOVÁ, I. - LUCOT, J. - PATON, S. - DUBOVICKÝ, M. - MORRIS, M. Diurnal rhythm in chronic stress responsiveness in mice. Experimental Biology 2003, San Diego, USA, 11-15.4.2003

ŠIMKO, F. - MATUŠKOVÁ, J. - LUPTÁK, I. - BERNÁTOVÁ, I. - PECHÁŇOVÁ, O. - BRAUNOVÁ, Z. - KUCHARSKÁ, J. - GVOZDJAKOVÁ, A. L-arginine fails to prevent heart remodeling but prevents a coenzyme Q decline in L-NAME-induced hypertension. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

BADA, V.-KUCHARSKÁ, J.-SUMBALOVÁ, Z.-GVOZDJAKOVÁ, A.-BERNÁTOVÁ, I. - PECHÁŇOVÁ, O. Effect of red wine polyphenolic compound Provinol on mitochondrial coenzyme Q concentration in the brain of spontaneously hypertensive rats. 1st International Conference on Polyphenols and Health, Vichy, France, November 18-21,2003.

DZURKOVÁ, O. - ŠRAMKOVÁ, I. - HLAVAČKA, F. Postural responses to unilateral vestibular stimulation with sinusoidal galvanic currents in patients with vestibular disorders. 3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia, p.64.

GEROVÁ, M.- TÖRÖK, J. Effect of agmatine on cardiovascular system and its linking to nitric oxide synthase. 79. FD, Plzeň, 5. - 7.2. 2003.

RAVINGEROVÁ, T. - ŠIMONČÍKOVÁ, P. - BARANČÍK, M. - GEROVÁ, M. - STYK, J. Myocardial ischaemic tolerance is modulated in NO deficient hypertensive rats. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

HERCEGOVÁ, Z. - HLAVAČKA, F. - ROCCHI, L. Human postural responses to somatosensory and visual stimulations with different timing. 3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia.

HLAVAČKA, F. - KLUZIK, J.- HORAK, FB. Two different somatosensory influence on postural responses to platform rotation: velocity range. 3<sup>rd</sup> International posture symposium, 6-9 September 2003, Smolenice, Slovakia.

WRISLEY, DM. - STATLER, KD. - HLAVAČKA, F. - PETERKA, RJ. - HORAK, FB. The relationship between impaired vestibular somatosensory reweighting, postural asymmetries,

and functional deficits in people with chronic unilateral vestibular loss. *3<sup>rd</sup> International posture symposium*, 6-9 September 2003, Smolenice, Slovakia.

DOZZA, M. - CHIARI, L. - PETERKA, R.- HORAK, FB. - HLAVAČKA, F. Controlling posture using an audio biofeedback system. In *3<sup>rd</sup> International posture symposium*, 6-9 September 2003, Smolenice, Slovakia, p.39.

JAGLA, F. – JERGELOVÁ, M. Oculomotor and saccadic related potential changes in depressive and panic patients. *12<sup>th</sup> European Conference on Eye Movements*, University of Dundee, Scotland, UK, 20-24. 8. 2003

JAGLA, F. – JERGELOVÁ, M. Effects of certain mental activities on information processing: An electrophysiological study. *XXXIXth International Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions*, Trenčianske Teplice, 15-17. 10. 2003

JAGLA, F. – JERGELOVÁ, M. – RIEČANSKÝ, I. Can nitric oxide be involved in panic disorder? A theoretical consideration. *Medzinárodné sympóziium NITRIC OXIDE – from molecular level to clinical application*, Brač, Chorvátsko, 15. 9. 2003

JENČA, J. - PAVLÁSEK, J. Decision functions in neural networks based on spikes frequency difference. *39<sup>TH</sup> Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions*, October 15-17, 2003, Trenčianske Teplice.

KATINA, S. - KELLEROVÁ, E. - REGECOVÁ, V. Application of regression trees in evaluation of ventricular repolarization parameters and the effects of body tilting, in groups with different blood pressure. *International Anthropological Congress*, Smolenice, Slovak Republic, November 10.-11. 2003.

KELLEROVÁ, E. – REGECOVÁ, V. Blood pressure and heart rate components of the feeding response – actophysiological aspects. *XXXIXth Interdisciplinary conference on experimental and clinical study of higher nervous functions and CIANS*, Trenčianske Teplice, Slovakia, October 19-17, 2003.

KOJŠOVÁ, S. - FERÁKOVÁ, E. Detection of R243X and Y414C mutations in the phenylalanine hydroxylase (PAH) gene. Relation of PAH and NO synthase. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

KOPRDOVÁ, R. - KRISTEK, F. Long-term effect of nitric oxide donors on geometry and ultrastructure of basilar artery of SHR. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

KRISTEK, F. - GEROVÁ, M. Geometry and structure of conduit arteries in offspring of hypertensive no defective rats. 79. FD, Plzeň, 5. - 7.2. 2003.

KRISTEK, F. - GEROVÁ, M. - LEHOTSKÝ, M. Hypotrophy of conduit artery wall in offspring of nitric oxide defective rats. 13. European Meeting on Hypertension, Milan, Italy, June 13 -17, 2003.

KRISTEK, F. - GEROVÁ, M. - LEHOČKÝ, M. Different structure of conduit arteries of adult rats and their newborns after nitric oxide inhibition. 3<sup>rd</sup> FEPS Congress, Acropolis, Nice, France - Federation of European Physiological Societies, 28.6-2.7.2003.

KRISTEK, F. - GEROVÁ, M. - LEHOČKÝ, M. Compromised Cardiovascular system in newborns of NO defective hypertensive rats. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

KRISTEK, F. - GEROVÁ, M. - TÖRÖK, J. - LEHOČKÝ, M. Characteristics of conduit arteries in newborns of NO defective hypertensive rats. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

KRISTEK, F. - KYSELÁ, S. Reactivity and geometry of iliac artery of SHR after long-term NO-donors administration. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

KRISTEK, F. - KYSELÁ, S. Effect of exogenous NO donors administration on reactivity and geometry of iliac artery of SHR. 13. European Meeting on Hypertension, Milan, Italy, June 13 -17, 2003.

KRISTEK, F. - TÖRÖK, J. Structural and functional pattern of arterial responses in NO-deficient and spontaneously hypertensive rats. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

KRISTEK F., TÖRÖK J. - VARGA, I. Beneficial effect of pentaerythryl tetranitrate in experimental hypertension. 13. European Meeting on Hypertension, Milan, Italy, June 13 -17, 2003.

KRISTEK, F. - URMINSKÁ, M. Morphological differences in ontogenesis of carotid artery in Wistar rats and SHR. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

KRISTEK, F. - URMINSKÁ, M. Geometry of carotid artery in Wistar and spontaneously hypertensive rats during ontogenesis. 13. European Meeting on Hypertension, Milan, Italy, June 13 -17, 2003.

KRISTEK, F. - URMINSKÁ, M. - KUNEŠ, J. - DOBEŠOVÁ, Z. Geometry of conduit arteries of hypertriglyceridemic rats during ontogenic development. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

ORLICKÝ, J. - GMUCOVÁ, K. - THURZO, I. - PAVLÁSEK, J. Electrochemical detection of the ascorbate radicals in biological fluids. In 22. *Xenobiochemické Sympózium. Jún 9-11, 2003, Smolenice.*

PECHÁŇOVÁ, O. - CAPIKOVÁ, D. The effect of captopril thiol group in the prevention of hypertension. Thirteenth European Meeting on Hypertension, Milan (Italy) - June 13-17, 2003.

PECHÁŇOVÁ, O. - CAPÍKOVÁ, D. The contribution of captopril thiol group in the prevention of hypertension. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

PECHÁŇOVÁ, O. - CAPÍKOVÁ, D. - ZAVILLOVÁ, I. - MATUŠKOVÁ, J. - LUPTÁK, I. - ŠIMKO, F. The effect of spironolactone on renal metabolism in relation to blood pressure. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - CAPÍKOVÁ, D. - ZAVILLOVÁ, I. The cross-talk of nitric oxide, angiotensin II and free oxygen radicals in experimental hypertension, Thirteenth European Meeting on Hypertension. Milan (Italy) - June 13-17, 2003.

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - CAPÍKOVÁ, D. - ZAVILLOVÁ, I. - BABÁL, P. The cross-talk of nitric oxide and free oxygen radicals in experimental hypertension. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - ZENEBE, W. - ANDRIANTSITOHAINA, R. Wine polyphenols increase NO synthase expression and its activity in both normotensive and hypertensive rats. Thirteenth European Meeting on Hypertension. Milan (Italy) - June 13-17, 2003.

PECHÁŇOVÁ, O. - ZENEBE, W. - BERNÁTOVÁ, I. - ANDRIANTSITOHAINA, R. Red wine polyphenols increase nitric oxide synthase expression and activity: relation to blood pressure. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

PECHÁŇOVÁ, O. - ZENEBE, W. - KYSELA, S. - ANDRIANTSITOHAINA, R. Acute and long-lasting effects of red wine polyphenolic compounds on the vasoactivity of conduit arteries. Thirteenth European Meeting on Hypertension, Milan (Italy) - June 13-17, 2003.

PECHÁŇOVÁ, O. - HORNIÁKOVÁ, L. - ZENEBE, W. - ANDRIANTSITOHAINA, R. The effect of red wine polyphenols on the behaviour parameters of normotensive and spontaneously hypertensive rats. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

PECHÁŇOVÁ, O. - HORNIÁKOVÁ, L. - ZENEBE, W. - ANDRIANTSITOHAINA, R. Effects of red wine polyphenolic compounds on the motor activity of normotensive and spontaneously hypertensive rats. XXXIXth Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions, Trenčianske Teplice, Október 15-17, 2003.

PECHÁŇOVÁ, O. - ZÍCHA, J. - ZENEBE, W. - DOBEŠOVÁ, Z. - KUNEŠ, J. The effect of N-acetylcysteine treatment on the development of spontaneous hypertension. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

ZÍCHA, J. - PECHÁŇOVÁ, O. - DOBEŠOVÁ, Z. - KUNEŠ, J. Vasoactive systems in chronic L-NAME hypertension: The role of inducible NOS. Thirteenth European Meeting on Hypertension, Milan (Italy) - June 13-17, 2003.

BABÁL, P. - ČERNÁ, A. - PECHÁŇOVÁ, O. - KRISTOVÁ, V. - SLOBODOVÁ, Z. Reduction of experimental endothelium by red wine polyphenols. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

JANEGA, P. - ČERNÁ, A. - PECHÁŇOVÁ, O. - ZENEBE, W. - BABÁL, P. Can red wine polyphenols have protective effect on liver damage? Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

MATUŠKOVÁ, J. - LUPTÁK, I. - PECHÁŇOVÁ, O. - BABÁL, P. - ŠTVRTINA, S. - ŠIMKO, F. Spironolactone prevents hypertension and left ventricular hypertrophy development in NO-deficient hypertension. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

RAUCHOVÁ, H. - VOKURKOVÁ, M. - PECHÁŇOVÁ, O. - ZÍCHA, J. - KUNEŠ, J. Oxygen radicals in rats with NO-deficient hypertension or salt hypertension. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

ZÍCHA, J. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. The balance of nitric oxide and pressor systems in various forms of experimental hypertension in the rat. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application Postira, Chorvátsko, September 14-17, 2003.

ZÍCHA, J. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. Hypertensive response to chronic L-NAME treatment is similar in immature and adult Wistar rats. Thirteenth European Meeting on Hypertension, Milan (Italy) - June 13-17, 2003.

ZÍCHA, J. - DOBEŠOVÁ, Z. - PECHÁŇOVÁ, O. - KUNEŠ, J. The balance of nitric oxide and pressor systems in various forms of experimental hypertension in the rat. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

BABÁL, P. - KRISTOVÁ, V. - SLÁMOVÁ, J. - PECHÁŇOVÁ, O. Red wine polyphenols prevent endothelial damage. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

KOLÁŘ, F. - SZÁRSZOI, O. - NECKÁŘ, J. - PECHÁŇOVÁ, O. - MIKOVÁ, D. - HAMPL, V. - OŠTÁDAL, B. Role of nitric oxide and reactive oxygen species in reperfusion-induced arrhythmias and cardioprotection in chronically hypoxic rat hearts. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

ŠIMKO, F. - MATUŠKOVÁ, J. - LUPTÁK, I. - PECHÁŇOVÁ, O. - BABÁL, P. Simvastatin fails to prevent remodeling of the left ventricle and aorta in L-name induced hypertension. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland July 23-25, 2003



ŠIMKO, F. - LUPTÁK, I. - MATUŠKOVÁ, J. - BABÁL, P. - PECHÁŇOVÁ, O. - BERNÁTOVÁ, I. - HULIN, I. Remodeling of the heart in the hypertriglyceridemic rat: Effect of Captopril and L-Name. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

REGECOVÁ, V. Changes of atrial depolarization and ventricular repolarization during vegetative tests. Institute for Information Transmission Problems, Russian Academy of Sciences, Moskva, Russia, 3. 6. 2003.

REGECOVÁ, V. The relationship between anthropometric parameters and variability of electrocardiogram. Russian Cardiology Research Center of A. L. Mjasnikov, of Russian Federation Cardiology Research Complex of Ministry of Health, Moskva, Russia, 4. 6. 2003.

REGECOVÁ, V. The relationship between age, obesity and subcutaneous fat distribution in slovak urban hypertensive subjects. *Symposium - Nitric oxide – from molecular level to clinical application*, Brač – Croatia, 12.-15. September 2003.

REGECOVÁ, V. The association of the anthropometric indices of regional adiposity with elevated BP in boys and adult men. *International Anthropological Congress*, Smolenice, Slovak Republic, November 10.-11. 2003.

REGECOVÁ, V. – KELLEROVÁ, E. – ANDRÁSYOVÁ, D. Vplyv polohy tela na veľkosť maximálneho priestorového vektora T u chlapcov a mladých mužov so zvýšeným diastolickým tlakom. *79. Fyziologické dny*, Plzeň, Česká republika, 5.-7. února 2003.

RIEČANSKÝ, Igor – THIELE, Alexander – HOFFMANN, Karl-Peter. Chromatic motion: Perception, Behaviour, and area V5. *XXXIXth International Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions*, Trenčianske Teplice, 15-17. 10. 2003.

VAVRUŠOVÁ, Lívia – RIEČANSKÝ, Igor – KONÍKOVÁ, Mária. Antipsychotics in treatment of depression. *IX. Psychopharmacological Symposium*, Smolenice, 17-19. 11. 2003.

TYŠLER, M. – SZATHMÁRY, V. - TURZOVÁ, M. Model study of Assessment of local heart repolarization changes by several ECG methods. *XXX International Congress on Electrocardiology*, Helsinki, Finland, 11-14 June , 2003.

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. *Measurement 2003, 4<sup>th</sup> International Conference on Measurement*, Smolenice, Slovak Republik, June 15-19, 2003.

TÖRÖK, J. - MATUŠKOVÁ, J. - LUPTÁK, I. - ŠIMKO, F. - BABÁL, P. Effect of chronic captopril treatment on endothelial dysfunction in hereditary hypertriglyceridemic rats. Second International Interdisciplinary Conference on Cardiovascular Medicine and Science Bethesda, Maryland, July 23-25, 2003.

TÖRÖK, J. - KRISTEK, F. - KUNEŠ, J. - DOBEŠOVÁ, Z. Endothelial function of conduit artery in newborn rats with hereditary hypertriglyceridemia. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

TÖRÖK, J. - PECHÁŇOVÁ, O. - MATUŠKOVÁ, J. - ŠIMKO, F. Improvement of vascular endothelial function by simvastatin treatment in hereditary hypertriglyceridemic rats. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - KRAJČIROVIČOVÁ, K. - ŠIMKO, F. Simvastatin improves endothelial function of aorta in hereditary hypertriglyceridemic rats. 79. FD, Plzeň, 5. - 7.2. 2003.

URMINSKÁ, M - KRISTEK, F. Geometry of the carotid artery of Wistar rats and SHR in the course of the ontogenic development. 79. FD, Plzeň, 5. - 7.2. 2003.

URMINSKÁ, M - KRISTEK, F. Geometry of the coronary artery of SHR and Wistar rats during ontogenic development. Third International Symposium Nitric Oxide - From Molecular Level to Clinical Application, Postira, Chorvátsko, September 14-17, 2003.

ZIKMUND, V. Eye movement regulations and mental processes: Some psychophysiological and clinical implications. *XXXIXth International Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions*, Trenčianske Teplice, 15-17. 10. 2003

## **18. Ostatné prednášky a vývesky**

GEROVÁ, M. - TÖRÖK, J. - PECHÁŇOVÁ, O. Imidazolové receptory participujú na zvýšení tlaku pri deficiencii oxidu dusnatého. *XVIII. Pracovná konferencia: Diagnostika a liečba hypertenzie*. Nitra 22. - 23.5.2003.

KELLEROVÁ, E. – REGECOVÁ, V. Inadekvátny rozmer tonometrickej manžety ako zdroj nepresnosti merania krvného tlaku – stály problém. *XVIII. Pracovná konferencia Slovenskej hypertenzologickej spoločnosti*, Nitra, 22.-23. máj 2003

KELLEROVÁ, E. – REGECOVÁ, V. Intraindividuálne rozdielne reaktívne hodnoty parametrov komorovej repolarizácie pri rovnakom trvaní R-R intervalov. *VIII. Zjazd Slovenskej kardiologickej spoločnosti*, Bratislava, 9.-11. október, 2003

REGECOVÁ, V. Zmeny depolarizácie predsiení a repolarizácie komôr pri vegetatívnych záťažových testoch. *Elektrokardiologický seminár* (14. ročník), Laserové centrum, 3. 4. 2003.

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - KRAJČIROVIČOVÁ, K. - ŠIMKO, F. Vplyv simvastatínu na endotelovú dysfunkciu u potkanov s hereditárnou hypertriglyceridémiou. *XVIII. Pracovná konferencia: Diagnostika a liečba hypertenzie*. Nitra 22. - 23.5.2003.

TÖRÖK, J. - MATUŠKOVÁ, J. - PECHÁŇOVÁ, O. - KRAJČIROVIČOVÁ, K. - ŠIMKO, F. Benefičný účinok simvastatínu na krvný tlak a endotelovú dysfunkciu u potkanov s hereditárnou hypertriglyceridémiou. VIII.zjazd Slovenskej kardiologickej spoločnosti, Bratislava 9. - 11.10. 2003.

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. VIII. zjazd Slovenskej kardiologickej spoločnosti, Bratislava 9. - 11.10. 2003.

URMINSKÁ, M - KRISTEK, F. Geometria koronárnej artérie u SHR a Wistar potkanov počas ontogenetického vývoja. VIII. zjazd Slovenskej kardiologickej spoločnosti, 9. - 11.10. 2003.

## **21. Vydané zborníky z vedeckých podujatí:**

3rd INTERNATIONAL POSTURE SYMPOSIUM - Program and Abstracts, Ústav normálnej a patologickej fyziológie SAV, Bratislava, 2003, s.77.-

NITRIC OXIDE – FROM MOLECULAR LEVEL TO CLINICAL APPLICATION – Programme and Abstracts, Ústav normálnej a patologickej fyziológie SAV, Bratislava, 2003, s.29.-

XXXIXth INTERDISCIPLINARY CONFERENCE ON EXPERIMENTAL AND CLINICAL STUDY OF HIGHER NERVOUS FUNCTIONS - Abstracts. Ústav normálnej a patologickej fyziológie SAV, Bratislava, 2003, s.48.-

## **23. Vedecké práce uverejnené na internete :**

HLAVAČKA.F. Human postural responses to sensory stimulations: measurements and model. In *Measurement Sciences Review – On line edition. Vol., 3 section 2, 2003, p(21-24), Journal of the Institute of Measurements, Slovak Academy of Sciences.*

## **Citácie:**

ANDRÁŠYOVÁ, D. - REGECOVÁ, V.- ČIŽMÁROVÁ, E.- RUTTKAY-NEDECKÝ, I.  
The spatial angle between integral vectors QRS and STT as indicator of adrenergic tonization of the working myocardium. In *Physiological Research* . Vol. 47, 1998, p.1P

Citácie z WOS : 1

1. Pisvejcová K, Paclt I, Slavíček J, et al.  
PHYSIOLOGICAL RESEARCH 2002, Vol 51, Iss 4, pp 401-406

BERNATOVA,I. - PECHANOVA,O. - BABAL,P. - KYSELA,S. - STVRTINA,S. - ANDRIANTSITOHAINA, R. Wine polyphenols improve cardiovascular remodeling and vascular function in NO-deficient hypertension. In *American Journal of Physiology Heart and Circulatory Physiology*. Vol. 282, no. 3, 2002, p. H942-948.

Citácie z WOS: 2

1. Schafer A; Bauersachs J  
NUTR METAB CARDIOVAS 2002, Vol 12, Iss 5, pp 306-310
2. Leikert JF; Rathel TR; Wohlfart P; Cheynier V; Vollmar AM; Dirsch VM  
CIRCULATION 2002, Vol 106, Iss 13, pp 1614-1617.

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. Balaszczuk AM; Tomat A; Bellucci S; Fellet A; Arranz C  
BRAZ J MED BIOL RES 2002, Vol 35, Iss 1, pp 131-134
2. Zorzi Rld; Pereira Lmm; Mandarim De Lacerda Ca  
J CELL MOL MED 2002, Vol 6, Iss 4, pp 599-608
3. De Gennaro Colonna V; Rossoni G; Rigamonti AE et al  
European Journal of Pharmacology, 2002, Vol 450. Iss 1, pp 61-66

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: 2

1. Kuru O; Senturk UK; Demir N; Yesilkaya A; Erguler G; Erkcilic M  
EUR J APPL PHYSIOL 2002, Vol 87, Iss 2, pp 134-140
2. Zorzi RLD; Pereira LMM; Mandarim De Lacerda CA  
J CELL MOL MED 2002, Vol 6, Iss 4, pp 599-608

OKRUHLICOVA,L. - TRIBULOVA,N. - BERNATOVA,I. - PECHANOVA,O. Induction of angiogenesis in NO-deficient rat heart. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 71-76.

Citácie z WOS: 1

1. Zorzi RLD; Pereira LMM; Mandarim De Lacerda CA  
J CELL MOL MED 2002, Vol 6, Iss 4, pp 599-608

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: 3

1. Husain K; Hazelrigg SR  
BBA MOL BASIS DIS 2002, Vol 1587, Iss 1, pp 75-82
2. Husain K  
MOL CELL BIOCHEM 2002, Vol 231, Iss 1-2, pp 129-137
3. Balaszczuk AM; Tomat A; Bellucci S; Fellet A; Arranz C  
BRAZ J MED BIOL RES 2002, Vol 35, Iss 1, pp 131-134

GEROVA,M. Nitric oxide-compromised hypertension: Facts and enigmas. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 27-35.

Citácie z WOS: 1

1. Manukhina EB; Lyamina NP; Dolotovskaya PV  
KARDIOLOGIYA 2002, Vol 42, Iss 11, pp 73-84

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: 1

1. Yi FX; Zhang AY; Campbell WB; Zou AP; Van Breemen C; Li PL  
AM J PHYSIOL HEART C 2002, Vol 283, Iss 6, pp H2725-2732

GEROVA,M. - PECHANOVA,O. - BERNATOVA,I. - KITTOVA,M. - JURANI,M. Early changes of protein synthesis in myocardium and coronary arteries induced by NO synthase inhibition. In *Physiological Research*. Vol. 47, no. 6, 1998, p. 405-412.

Citácie z WOS: 1

1. Jager D; Muller Werdan U; Ponicke K; Holtz J; Werdan K; Muller SP  
MOL CELL BIOCHEM 2002, Vol 229, Iss 1-2, pp 25-34

GEROVA,M. - HARTMANNOVA,B. - DOLEZEL,S. - JEZEK,L. Long-term inhibition of NO synthase induces cardiac hypertrophy with a decrease in adrenergic innervation. In *Physiological Research*. Vol. 45, no. 4, 1996, p. 339-344.

Citácie z WOS: 2

1. Jager D; Muller Werdan U; Ponicke K  
MOL CELL BIOCHEM 2002, Vol 229, Iss 1-2, pp 25-34
2. Raasch W; Bartels T; Gieselberg A  
J PHARMACOL EXP THER 2002, Vol 300, Iss 1-2, pp 428-434

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. Lage SG; Kopel L; Medeiros CCJ  
AM J PHYSIOL HEART C 2002, Vol 283, Iss 4, pp H1424-1429

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: 2

1. Zoccali C; Mallamaci F; Maas R  
KIDNEY INT 2002, Vol 62, Iss 1, pp 339-345
2. Zorzi RLD; Pereira LMM; Mandarim De Lacerda CA  
J CELL MOL MED 2002, Vol 6, Iss 4, pp 599-608

THURZO-I, GMUCOVA-K, ORLICKY-J, PAVLASEK-J  
1999-REV-SCI-INSTR-V70-P3723

Citácie v SCI: 1

1. BARANCOK-D, CIRAK-J, TOMCIK-P, et al.-2002-  
BIOELECTROCHEMISTRY-V55-P153

HLAVAČKA, F. – KRIŽKOVA, M. – HORAK, FB. Modification of human postural response to leg muscle vibration by electrical vestibular stimulation. In *Neuroscience Letters* . Vol. 189 (1), 1995, p.9-12.

Citácie z WOS: 6

1. Scinicariello AP; Inglis JT; Collins JJ  
J VESTIBUL RES-EQUIL. 2002, Vol. 12 (2-3), pp 77-85
2. Vuillerme N; Danion F; Forestier N; et al.  
NEUROSCI LETT 2002, Vol. 333 (2), pp 131-135
3. Smiley-Oyen AL; Cheng HYK; Latt LD; et al.  
GAIT POSTURE 2002, Vol.16 (2), pp 188-197
4. Day BL; Guerraz M; Cole J  
ADV EXP MED BIOL 2002, Vol 508, pp 129-137
5. Vaitl D; Mittelstaedt H; Saborowski R; et al.  
J PSYCHOPHYSIOL 2002, Vol. 44 (1), pp 1-11
6. Bent LR;Inglis JT; McFadyen BJ  
EXP BRAIN RES 2002, Vol. 143 (1), pp 100-105

HLAVAČKA,F. - MERGNER, T. – BOLHA,B. Human self-motion perception during translatory vestibular and proprioceptive stimulation. In *Neuroscience Letters*. Vol. 210 (2), 1996, p. 83-86.

Citácie z WOS: 1

1. Gresty MA; Ohlmann T  
CAH PSYCHOL COGN 2002, Vol. 21 (4-5), pp 479-495

HLAVAČKA, F. – MERGNER, T. – KRIŽKOVÁ, M. Control of the body vertical by vestibular and proprioceptive inputs. In *Brain Research Bulletin*. Vol. 40 (5-6), 1996, p. 431-434.

Citácie z WOS: 2

1. Bent LR; McFadyen BJ; Inglis JT  
EXP BRAIN RES 2002, Vol.146 (4), pp 490-500
2. Perennou DA; Amblard B; Laassel EM; et al.  
ARCH PHYS MED REHAB 2002, Vol. 83 (4), pp 570-575

HLAVAČKA, F. – NJIOKIKTJIEN, C. Sinusoidal galvanic stimulation of the labyrinths and postural responses. In *Physiologia Bohemoslovaca*. Vol. 35 (1), 1986, p 63-70.

Citácie z WOS: 1

1. Scinicariello AP; Inglis JT; Collins JJ  
J VESTIBUL RES-EQUIL 2002, Vol. 12 (2-3), pp 77-85

HLAVAČKA, F. – NJIOKIKTJIEN, C. Postural responses evoked by sinusoidal galvanic stimulation of the labyrinth - influence of head position. In *Acta Oto-Laryngologica*. Vol. 99 (1-2), 1985, p. 107-112.

Citácie z WOS: 5

1. Scinicariello AP; Inglis JT; Collins JJ  
J VESTIBUL RES-EQUIL 2002, Vol. 12 (2-3), pp 77-85
2. Bove M; Courtine G; Schieppati M  
J NEUROPHYSIOL 2002, Vol. 88 (5), pp 2232-2241
3. Peterka RJ  
J NEUROPHYSIOL 2002, Vol. 88 (3), pp 1097-1118
4. MacDougall HG; Brizuela AE; Burgess AM; et al.  
EXP BRAIN RES 2002, Vol. 144 (1), pp 69-78
5. Russolo M  
ACTA OTO-LARYNGOL 2002, Vol. 122 (1), pp 21-27

HLAVAČKA, F. – SHUPERT, CL. – HORAK, FB. The timing of galvanic vestibular stimulation affects responses to platform translation. In *Brain Research* Vol. 821 (1), 1999, p. 8-16.

Citácie z WOS: 5

1. Scinicariello AP; Inglis JT; Collins JJ  
J VESTIBUL RES-EQUIL 2002, Vol. 12 (2-3), pp 77-85
2. Bent LR; Inglis JT; McFadyen BJ  
EXP BRAIN RES 2002, Vol. 143 (1), pp 100-105
3. Thomas AW; White KP; Drost DJ; et al.  
NEUROSCI LETT 2001, Vol. 309 (1), pp 17-20

4. Scinicariello AP; Eaton K; Inglis JT; et al.  
BIOL CYBERN 2001, Vol. 84 (6), pp 475-480
5. Thomas AW; Drost DJ; Prato FS  
NEUROSCI LETT 2001, Vol. 297 (2), pp 121-124

HORAK, FB. - HLAVAČKA, F. Somatosensory loss increases vestibulospinal sensitivity. In *Journal of Neurophysiology*. Vol. 86 (2), 2001, p. 575-585.

Citácie z WOS: 3

1. Dietz V  
PROPRIOCEPTION AND LOCOMOTOR DISORDERS , NAT REV  
NEUROSCI 3 (10): 781-790 OCT 2002
2. Day BL; Cole J  
BRAIN 2002, Vol. 125, pp 2081-2088
3. Welgampola MS; Colebatch JG  
CLIN NEUROPHYSIOL 2002, Vol. 113 (4), pp 528-534

KRIŽKOVÁ, M. – HLAVAČKA, F. Binaural monopolar galvanic vestibular stimulation reduces body sway during human stance. In *Physiological Research*. Vol. 43 (3), 1994, p. 187-192.

Citácie z WOS: 1

1. Scinicariello AP; Inglis JT; Collins JJ  
J VESTIBUL RES-EQUIL 2002, Vol. 12 (2-3), pp 77-85

KRIŽKOVÁ, M. – HLAVAČKA, F. – GATEV, P. Visual control of human stance on a narrow and soft support surface. In *Physiological Research*. Vol. 42 (4), 1993, p. 267-272.

Citácie z WOS: 2

1. Duarte M; Zatsiorsky VM  
EXP BRAIN RES 2002, Vol 146 (1), pp 60-69
2. Bardy BG; Oullier O; Bootsma RJ; et al.  
J EXP PSYCHOL HUMAN 2002, Vol. 28 (3), pp 499-514

MERGNER, T. – HLAVAČKA, F. – SCHWEIGART, G. Interaction of vestibular and proprioceptive inputs. In *Journal of Vestibular Research*. Vol. 3, 1993, p. 41-57

Citácie z WOS: 1

1. Andersson G; Magnusson M;  
ACTA OTO-LARYNGOL 2002, Vol. 122 (3)pp 284-288

POLONYOVÁ, A. – HLAVAČKA, F. Human postural responses to different frequency vibrations of lower leg muscles. In *Physiological Research*. Vol. 50 (4), 2001, p. 405-410.

Citácie z WOS: 1



1. Bove M; Courtine G; Schieppati M  
J NEUROPHYSIOL 2002, Vol. 88 (5), pp 2232-2241

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 (2), 1995, p. 896-901.

Citácie z WOS: 6

1. Wall C; Merfeld DM; Rauch SD; et al.  
J VESTIBUL RES-EQUIL 2002, Vol. 12 (2-3), pp 95-113
2. Fitzpatrick RC; Marsden J; Lord SR; et al.  
NEUROREPORT 2002, Vol. 13 (18), pp 2379-2383
3. Wardman DL; Fitzpatrick RC  
ADV EXP MED BIOL 2002, Vol. 508, pp 119-128
4. Schneider E; Glasauer S; Dieterich M  
J NEUROPHYSIOL 2002, Vol. 87 (4), pp 2064-2073
5. Gong WS; Merfeld DM  
IEEE T BIO-MED ENG 2002, Vol. 49 (2), pp 175-181
6. Bense S; Stephan T; Yousry TA; et al.  
J NEUROPHYSIOL 2001, Vol. 85 (2), pp 886-899

MAURER, C. – MERGNER, T. – BOLHA, B. - HLAVAČKA, F. Vestibular, visual, and somatosensory contributions to human control of upright stance. In *Neuroscience Letters*. Vol. 281 (2-3), 2000, p. 99-102.

Citácie z WOS: 4

1. Gresty MA; Ohlmann T  
CAH PSYCHOL COGN 2002, Vol. 21 (4-5), pp 479-495
2. Horak FB; Dickstein R; Peterka RJ  
SOMATOSENS MOT RES 2002, Vol. 19 (4), pp 316-326
3. Creath R; Kiemel T; Horak F; et al.  
EXP BRAIN RES 2002, Vol. 145 (3), pp 323-333
4. Wall C; Weinberg MS; Schmidt PB; et al.  
IEEE T BIO-MED ENG 2001, Vol. 48 (10), pp 1153-1161

MAURER, C. – MERGNER, T. – BOLHA, B. – HLAVAČKA, F. Human balance control during cutaneous stimulation of the plantar soles. In *Neuroscience Letters* Vol. 302 (1), 2001, p. 45-48.

Citácie z WOS: 4

1. Roll R; Kavounoudias A; Roll JP  
NEUROREPORT , 2002, Vol.13 (15), pp 1957-1961
2. Rocchi L; Chiari L; Horak FB  
J NEUROL NEUROSUR PS 73 (3): 267-274 SEP 2002
3. Inglis JT; Kennedy PM; Wells C; et al.  
ADV EXP MED BIOL 2002, Vol. 508, pp 111-117
4. Kennedy PM; Inglis JT

J PHYSIOL-LONDON 2002, Vol. 538 (3), pp 995-1002

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 (2), 2000, p. 139-166.

Citácie z WOS: 4

1. Lambrey S; Viaud-Delmon I; Berthoz A  
COGNITIVE BRAIN RES 2002, Vol.14 (1), pp 177-186
2. Becker W; Raab S; Jurgens R  
EXP BRAIN RES 2002, Vol.144 (4), pp 554-557
3. Brandt T; Glasauer S; Stephan T; et al.  
ANN NY ACAD SCI 2002, Vol. 956, pp 230-241
4. Manzoni D; Miele F  
EXP BRAIN RES 2001, Vol.141 (1), pp 33-51

JAGLA, F., ZIKMUND, V. Changes in bioelectrical brain activity related to programming of saccadic eye movements. In *Activitas Nervosa Superior*, 31, 1989, 2, 142-143

Citácie z WOS: 1

1. Slavutskaya MV, Shulgovsky VV-2002-ZH-VYSSH-NERV-DEYAT-V52-Zh  
ZH VYSSH NERV DEYAT 2001, Vol.52, pp 551-556

KELLEROVÁ, E. Vasomotor rhythms in acral skin region . In *Journal of interdisciplinary Cycle Research* Vol.2, 1971, p. 233-237

Citácie z WOS : 2

1. Mannix PA; Inwald DP; Hathorn MKS; et al.  
PEDIATRIC RESEARCH 1997, Vol 42, Iss 3, pp 282-286 \*
2. Lossius K; Eriksen M.  
EARLY HUMAN DEVELOPMENT 1994, Vol 39, Iss 1, pp 69-82 \*

\* citácia doteraz neuvádzaná

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 : 1

1. Rayman G  
DIABETES REVIEW 1999, Vol.7, Iss 4, pp 261-274 \*

\* citácia doteraz neuvádzaná

KRISTEK, F. - GEROVA, M. Long-term NO synthase inhibition affects heart weight and geometry of coronary and carotid arteries. In *Physiological Research*. Vol. 45, no. 5, 1996, p.

361-367.

Citácie z WOS: 1

1. Tribulova N; Okruhlicova L; Novakova S  
EXP PHYSIOL 2002, Vpl 87, Iss 2, pp 195-205

RALEVIC,V. - MILNER,P. - HUDLICKÁ,O. - KRISTEK,F. - BURNSTOCK,G. Substance-p is released from the endothelium of normal and capsaicin-treated rat hindlimb vasculature, in vivo, by increased flow. In *Circulation Research*. Vol. 66, no. 5, 1990, p. 1178-1183.

Citácie z WOS: 3

1. Pelletier L; Angonin R; Regnard J; Fellmann D; Charbord P  
BRIT J HAEMATOL 2002, Vol 119, Iss 4, pp 1083-1089
2. Severini C; Improta G; Falconieri Erspamer G; Salvadori S; Erspamer V  
PHARMACOL REV 2002, Vol 54, Iss 2, pp 285-322
3. Saito H; Thapaliya S; Matsuyama H  
J PHYSIOL LONDON 2002, Vol 540, Iss 6, pp 285-294

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: 7

1. Vandenberg WM; Zuur JK; Kamerling NA  
J NEUROSURG 2002, Vol 97, Iss 2, pp 416-422
2. Germano A; Costa C; Deford SM  
J NEUROTRAUM 2002, Vol 19, Iss 7, pp 887-896
3. Sercombe R; Dinh YRT; Gomis P  
JPN J PHARMACOL 2002, Vol 88, Iss 3, pp 227-249
4. Kehl F; Cambj Sapunar L; Maier KG  
AM J PHYSIOL HEART C 2002, Vol 282, Iss 4, pp H1556-1565
5. Gules I; Satoh M; Clower BR; Nanda A; Zhang JH  
AM J PHYSIOL HEART C 2002, Vol 283, Iss 6, pp H2551-2559
6. Atalay B; Bolay H; Dalkara T; Soylemezoglu F; Oge K; Ozcan OE  
J NEUROSURG 2002, Vol 97, Iss 5, pp 1179-1183
7. Logan A; Berry M  
ADV EXP MED BIOL 2002, Vol 513, pp 115-158

PAVLASEK-J

1989-PHYSIOL-BOHEMOSLOV-V38-P81

Citácie v SCI: 1

1. MASLOVA-LN, BULYGINA-VV, POPOVA-NK-  
2002-PHYSIOL-BEHAV-V75-P217

STOLC-S, VLKOLINSKY-R, PAVLASEK-J

1997-BRAIN-RES-BULL-V42-P335

Citácie v SCI: 1

1. RACKOVA-L, STEFEK-M, MAJEKOVA-M-  
2002-REDOX-REP-V7-P207

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: 4

1. Ferrini MG; Vernet D; Magee TR  
NITRIC OXIDE BIOL CH 2002, Vol 6, Iss 3, pp 283-294
2. Alcaraz MJ; Guillen MI  
CURR PHARM DESIGN 2002, Vol 8, Iss 3, pp 215-231
3. Sampaio RC; Tanus Santos JE; Melo Sesfc; Hyslop S; Franchini KG; Luca IM;  
Moreno H  
CHEST 2002, Vol 122, Iss 4, pp 1412-1420
4. Vernet D; Ferrini MG; Valente EG; Magee TR; Bou Gharios G; Rajfer J;  
Gonzalez Cadavid NF  
NITRIC OXIDE BIOL CH 2002, Vol 7, Iss 4, pp 262-276

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. Whitworth JA; Schyvens CG; Zhang Y  
J HYPERTENS 2002, Vol 20, Iss 6, pp 1035-1043
2. Dimitrova KR; Degroot K; Myers AK  
CARDIOVASC RES 2002, Vol 53, Iss 3, pp 577-588

PECHANOVA,O. - BERNATOVA,I. - BABAL,P. Structural alterations in the heart after long-term L-NAME and D-NAME treatment. In *Gen Physl Biophys*. Vol. 18, suppl. 1,1999, p. 6-9.

Citácie z WOS: 1

1. Nemade RV; Carrette O; Larsen WJ; Markoff E  
FERTIL STERIL 2002, Vol 78, Iss 6, pp 1301-1308

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. Colonna VD; Rossoni G; Rigamonti AE; Bonomo S; Manfredi B; Berti F; Muller EE  
EUR J PHARMACOL 2002, Vol 450, Iss 1, pp P61-66

BABAL,P. - PECHANOVA,O. - BERNATOVA,I. Long-term administration of D-NAME induces hemodynamic and structural changes in the cardiovascular system. In *Physiological Research*. Vol. 49, no. 1, 2000, p. 47-54.

Citácie z WOS: 2

1. Nemade RV; Carrette O; Larsen WJ; Markoff E  
FERTIL STERIL 2002, Vol 78, Iss 6, pp 1301-1308
2. Kutzsche S; Solas AB; Lyberg T; Saugstad OD  
BIOL NEONATE 2002, Vol 82, Iss 3, pp 197-206

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: 3

1. Zorzi RLD; Pereira LMM; Mandarim De Lacerda CA  
J CELL MOL MED 2002, Vol 6, Iss 4, pp 599-608
2. Vernet D; Ferrini MG; Valente EG; Magee TR; Bou Gharios G; Rajfer J; Gonzalez Cadavid NF  
NITRIC OXIDE BIOL CH 2002, Vol 7, Iss 4, pp 262-267
3. Gonzalez Cadavid NF; Magee TR; Ferrini M; Qian A; Vernet D; Rajfer J  
INT J IMPOT RES 2002, Vol 14, Iss 5, pp 361-374

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: 2

1. Kucuk M; Kaya M; Kalayci R; Cimen V; Kudat H; Arican N; Elmas I; Korkut F  
LIFE SCI 2002, Vol 71, Iss 8, pp 937-946
2. Machado Vieira R; Lara DR; Portela LVC; Goncalves CA; Soares JC; Kapczinski F; Souza DO  
EUR NEUROPSYCHOPHARM 2002, Vol 12, Iss 3, pp 269-272

BABAL,P. - DANIHEL,L. - PECHANOVA,O. - BERNATOVA,I. Effect of long-term treatment with D-NAME and L-NAME with or without L-arginine on cardiovascular system in rats. In *Biologia*. Vol. 55, suppl. 8, 2000, p. 5-8.

Citácie z WOS: 1

1. Popov D; Costache G; Georgescu A; Enache M  
CELL TISSUE RES 2002, Vol 308, Iss 1, pp 109-120

SIMKO,F. - LUPTAK,I. - MATUSKOVA,J. - BABAL,P. - PECHANOVA,O. - BERNATOVA,I. - HULINA,I. Heart remodeling in the hereditary hypertriglyceridemic rat - Effect of captopril and nitric oxide deficiency. In *Annals of The New York Academy of Sciences*. Vol. 967, 2002, p.454-462.

Citácie z WOS: 1

1. Krizanova O; Sebkova E; Klimes I  
GEN PHYSIOL BIOPHYS 2002, Vol 21, Iss 4, pp 405-413

REGECOVÁ, V.- KELLEROVÁ, E. Effects of urban noise pollution on blood pressure and heart rate in preschool children. In *Journal of Hypertension*. Vol. 13, no. 4, 1995, p.405-412

Citácie z WOS : 2

1. Holmberg SK; Coon S  
ARCHIVES OF PSYCHIATRIC NURSING 1999, Vol 13, Iss 3, pp 117-126  
\*
2. Evans GW, Lercher P, Meis M, et al.  
J ACOUST SOC AM 2001, Vol. 109, Iss 3, pp: 1023-1027 \*

\* citácia doteraz neuvádzaná

Citácie z www. : 11

1. Sound Bytes NPC Quietnet: CQE  
[www.nonoise.org/quietnet/cqe/sound.htm](http://www.nonoise.org/quietnet/cqe/sound.htm) (2003-12-12)
2. Analysis of Albuquerque New Mexico's Ambient . NPC Quietnet: CQE.  
[www.nonoise.org/quietnet/cqe/survey.htm](http://www.nonoise.org/quietnet/cqe/survey.htm) (2003-12-12)
3. W. Passchier-Verm: Noise and health of children. TNO Prevention and Health, Leiden , TNO report, PG/VGZ/2000.042  
[www.inro.tno.nl/OG/Volksgezondheid/milieufolder/noise\\_and\\_children.pdf](http://www.inro.tno.nl/OG/Volksgezondheid/milieufolder/noise_and_children.pdf) (2003-12-12)
4. Julii S. Brainard, Andrew P. Jones, Ian J. Bateman and Andrew A. Lovett  
Modelling environmental equity: exposure to environmental urban noise pollution in Birmingham, UK, CSERGE Working Paper EDM 03-0  
[www.uea.ac.uk/env/cserge/publications/wp/edm/edm03\\_04.pdf](http://www.uea.ac.uk/env/cserge/publications/wp/edm/edm03_04.pdf) (2003-12-12)
5. Pierre de Marneffe: Répercussions des vols de nuit sur la qualité de vie et la santé des riverains d'aéroport . L'aéroport de Liège-Bierset est en période de pleine mutation.  
[www.net-sky.be/demarnef.htm](http://www.net-sky.be/demarnef.htm) (2003-12-12)  
[www.ufcna.com/nuisances02.html](http://www.ufcna.com/nuisances02.html) (2003-12-12)
6. Anna Callegari , Andrea Franchini: Rassegna degli effetti derivanti dall'esposizione al rumore, RTI CTN\_AGF 3/200, Agenzia Nazionale per la Protezione dell'Ambiente, Dipartimento Stato dell'Ambiente, Controlli e Sistemi Informativ

- [http://www.sinanet.apat.it/documentazione/CTNAGF/CDCCONFERENZA/RTI%20CTN\\_AGF%203\\_2000.pdf](http://www.sinanet.apat.it/documentazione/CTNAGF/CDCCONFERENZA/RTI%20CTN_AGF%203_2000.pdf). (2003-12-12)
7. Catherine O'Brien , Richard Gilbert , Béatrice Schmied, Al Cormier: Kids on the move in Halton and Peel , Report dated October 1, 2003, Lake Ontario, p. 1-37  
[www.cstctd.org/CSTadobefiles/ Kids%20on%20the%20Move.pdf](http://www.cstctd.org/CSTadobefiles/Kids%20on%20the%20Move.pdf) (2003-12-12)
  8. Stansfeld S, Haines M, Brentnall S, Head J, Roberts R, Berry B, Jiggins M.: Aircraft noise at school and children's cognitive performance and stress responses. West London Schools Study. FINAL REPORT, Centre for Mechanical and Acoustical Metrology, National Physical Laboratory, pp.: 1-90  
[www.doh.gov.uk/noisepollution/finrepw londonschools.pdf](http://www.doh.gov.uk/noisepollution/finrepw londonschools.pdf) (2003-12-12)
  9. Marie Louise Bistrup: Health effects of noise on children and perception of the risk of noise, Report from a project coordinated by the National Institute of Public Health Denmark, Copenhagen 2001, p1-72  
[www.si-folkesundhed.dk/english/ health-effects-noise-children.pdf](http://www.si-folkesundhed.dk/english/ health-effects-noise-children.pdf) (2003-12-12)
  10. I.C.A.R.E. SEMCOG Report Response, January 7, 2001 Detroit,. The Quality of Outdoor Life and the negative impact of its destruction on Community life...  
[www.icareii.com/SEMCOG\\_Report\\_Response.html](http://www.icareii.com/SEMCOG_Report_Response.html) (2003-12-15)
  11. SENANAYAKE ,MP.: Noise from power generators – its impact on the health of five children below two years of age . In: Sri Lanka Journal of Child Health Vol 31,2002, December: 115-117  
[www.srilankahealth.com/journals/childhealth.asp](http://www.srilankahealth.com/journals/childhealth.asp) (2003-12-15)

REGECOVÁ, V.- RUTTKAY-NEDECKY, I. The role of anthropometry in the assesment of vectorcardiographic norms. In Bratislavské Lekárske Listy. Vol.97, no.9, 1996, p. 553-558

Citácie z WOS: 1

1. Mikhnev AA; Barinova NE; Sakhnova TA; et al.  
MEASUREMENT TECHNIQUES 2002, Vol. 45, Iss. 4: pp 427-435

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

Citácie z WOS : 1

1. Pisvejcová K, Paclt I, Slavíček J, et al.  
PHYSIOLOGICAL RESEARCH 2002, Vol 51, Iss 4, pp 401-406

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: 3

1. Nagaoka T; Sakamoto T; Mori F  
INVEST OPHTH VIS SCI 2002, Vol 43, Iss 9, pp 3037-3044
2. Brunsdan AM; Jacob S; Bardhan KD

- AM J PHYSIOL GASTR L 2002, Vol 283, Iss 3, pp G656-665
3. Koller A  
MICROCIRCULATION 2002, Vol 9, Iss 4, pp 277 -294

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: 4

1. Hughes JA; Bund SJ  
EXP PHYSIOL 2002, Vol 87, Iss 5, pp 527 -534
2. Besnard S; Bakouche J; Lemaigre Dubreuil Y  
CIRC RES 2002, Vol 90, Iss 7,-P820-825
3. Arieli Y; Peltonen L; Ophir E  
COMP BIOCHEM PHYS A 2002, Vol 131, Iss 3, pp 497-504
4. Pries AR; Secomb TW  
MICROCIRCULATION 2002, Vol 9, Iss 4, pp 305-314

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: 1

1. Green D; Cheetham C; Henderson C  
AM J PHYSIOL HEART C 2002, Vol 283, Iss 4, pp H1354-1360

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. Nagaoka T; Sakamoto T; Mori F  
INVEST OPHTH VISC SCI 2002, Vol 43, Iss 9, pp 3037-3044

HNIK,P. - HOLAS,M. - KREKULE,I. - KRIZ,N. - MEJSNAR,J. - SMIESKO,V. - UJEC,E. - VYSKOCIL,F. Work-induced potassium changes in skeletal muscle and effluent venous blood assessed by liquid ion-exchanger microelectrodes. In *Pflugers Arch*. Vol. 362, no. 1, 1976, p 85-94.

Citácie z WOS: 2

1. Yensen C; Matar W; Renaud JM  
AMER J PHYSIOL CELL PHYSIOL 2002, Vol 283, Iss 1, pp C169-C177
2. Renaud JM  
CAN J APPL PHYSIOL 2002, Vol 27, Iss 3, pp 296-315



TOROK,J. - KRISTEK,F. - MOKRASOVA,M. Endothelium-dependent relaxation in rabbit aorta after cold-storage. In *European Journal Of Pharmacology-Environmental Toxicology And Pharmacology Section*. Vol. 228, no. 5-6, 1993, p. 313-319.

Citácie z WOS: 3

1. Piepot HA; Pneumatikos IA; Groeneveld ABJ  
J SURG RES 2002, Vol 105, Iss 2, pp 189-194
2. Henning RH; Deelman LE; Hut RA  
LIFE SCI 2002, Vol 70, Iss 17, pp 2071-2083
3. Bernatova I; Pechanova O; Babal P  
AM J PHYSIOL HEART C 2002, Vol 282, Iss 3, pp H942-948

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. Zhang J; Liu YY; Shi JQ  
EXP BIOL MED 2002, Vol 227, Iss 9, pp 823-829

TOROK,J. - GEROVA,M. Developmental dynamics of endothelial and neurogenic control of canine thoracic aorta. In *Mech Ageing Dev*. Vol. 95, no. 1-2, 1997, p. 143-152.

Citácie z WOS: 1

1. Smith FG; Nohara N; Patel A; Sener A  
PEDIATR NEPHROL 2002, Vol 17, Iss 11, pp 891-897

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: 1

1. Kimura K; Tsuda K; Moriwaki C  
BIOCHEM BIOPH RES CO 2002, Vol 294, Iss 2, pp 359-362

TOROK,J. - GEROVA,M. Vascular responses after long-term inhibition of nitric oxide synthesis in newborn dogs. In *Physiological Research*. Vol. 45, no. 4, 1996, p. 323-328.

Citácie z WOS: 1

1. Sener A; Smith FG  
AM J PHYSIOL REG I 2002, Vol 282, Iss 5, pp R1512-1520

HOLECYOVA,A. - TOROK,J. - BERNATOVA,I. - PECHANOVA,O. Restriction of nitric oxide rather than elevated blood pressure is responsible for alterations of vascular responses in nitric oxide-deficient hypertension. In *Physiological Research*. Vol. 45, no. 4, 1996, p. 317-

321.

Citácie z WOS: 1

1. Hably C; Bartha J  
GEN PHYSIOL BIOPHYS 2002, Vol 21, Iss 2, pp 197-203

HOLECYOVA,A. - TOROK,J. The effect of cadmium on neuromuscular transmission in rabbit blood vessels. In *Bratislavské lekárske listy*. Vol. 91, no. 11, 1990, p. 839-843.

Citácie z WOS: 1

1. Skoczynska A; Wrobel J; Andrzejak R  
TOXICOLOGY 2001, Vol 162, Iss 3, pp 157-170 /nebola uvedená v správe za minulý rok/