

LIST OF PUBLICATIONS

1958-2010.

Prof. emer. Dr Emil Monos

Semmelweis University,
Department of Human Physiology, Budapest, Hungary

Rövidítések

(A) Abstract

(B): Book, book chapter

(Int): Internet publication

IF: Impact Factor

1958.

ANTAL J., KOVÁCH A.G.B., IRÁNYI M., GOSZTONYI G., DÓDA M.,
MONOS E.

Untersuchungen über die Regulation des Wasserhaushalts und des Hypophysen–
Nebennieren Systems.

Acta Physiol. Hung. Suppl. 12: 13, 1958. (A)

KISS S., KOVÁCH A.G.B., ANTAL J., DÓDA M., MONOS E., IRÁNYI M.

Beiträge zur neurohumoralen Regulation des Phosphatid–stoffwechsels des Leber.

Acta Physiol. Hung. Suppl. 12: 22, 1958. (A)

1959.

KISS S, KOVÁCH AGB, IRÁNYI M, ANTAL J, DÓDA M, MONOS E.

Effect of hypothalamic laesion on phosphatide metabolism in the liver.

Acta Physiol. Hung. 15: 303–312, 1959.

MONOS E., KOVÁCH A.G.B., ANTAL J., DÓDA M.

Zur Wirkung der Hypothalamuslaesion und Adrenalektomie auf den
 ^{131}J –Umsatz bei Ratten.

Acta Physiol. Hung. Suppl. 16: 105, 1959. (A)

1961.

MONOS E, KOVÁCH AGB, FÖLDI M, PAPP M, SOMLYAI L, KOLTAY E.

Über den Mechanismus der mit hypertoner Natriumchlorid Lösung
herbeigeführten Erhöhung der Natriumausscheidung.

Acta Physiol. Hung. Suppl. 18: 25, 1961. (A)

SOMLYAI L., FÖLDI M., KOVÁCH A.G.B., PAPP M., MONOS E., KOLTAY E.

Mit Hypophysenhinterlappenhormonen ausgelöste reflektorische Natriurese.

Acta Physiol. Hung. Suppl. 18: 26, 1961. (A)

1962.

MONOS E.

A mellékvesekéreg-hormonok biológiai meghatározása.

In: "A kísérletes orvostudomány vizsgáló módszerei" (Ed: Kovách AGB), Akadémiai
Kiadó, Budapest. Vol. VI., 1962. Pp. 804–820. (B)

MONOS E, KOVÁCH AGB, KOLTAY E.

Neurohormonal control of adrenal blood flow and corticoid output.

Excerpta Medica, Int. Congr. Ser. 48: 222, 1962. (A)

1964.

AVAR Z, MONOS E.

The effects of hypothalamic laesion on the time of onset and course of labour, and on the development of the foetus.

Acta Med. Hung. 20: 395–402, 1964.

PALKOVITS M., MONOS E., FACHET J.

Kísérletes subcommissuralorgan–laesio hatása a mellékvesekéreg aldosteron termelésére.

Kísérlet. Orv. tud. 16: 178–183, 1964.

1965.

MONOS E, KOLTAY E, KOVÁCH AGB.

Adrenal blood flow and corticosteroid secretion I.: The acute effect of hypophysectomy on adrenal blood flow and corticohormone secretion in the anaesthetized dog.

Acta Physiol. Hung. 28: 139–153, 1965.

KOVÁCH AGB, MONOS E, KOLTAY E.

Adrenal blood flow and corticosteroid secretion II.: The effect of oxytocin on adrenal blood flow and corticoid secretion before and after acute hypophysectomy in the dog.

Acta Physiol. Hung. 28: 155–161, 1965.

MONOS E.

Előadások az élettan tárgyköréből. I. (Folyadék és elektrolit–háztartás vér– és szövetnedvek, vérkeringés fiziológiája).

Jegyzet. Országos Gyógyszerészeti Intézet Bp. Pp. 1–75. (B)

MONOS E., KOVÁCH A.G.B., KOLTAY E.

Correlations between adrenal blood flow and corticoid secretion.

Acta Physiol. Hung. Suppl. 26: 35, 1965. (A)

PALKOVITS M, MONOS E, FACHET J.

The effect of subcommissural–organ laesions on aldosterone production in the rat.

Acta Endocrinol. Kbh. 48: 169–176, 1965.

WEIDINGER H, MONOS E, KOVÁCH AGB.

Pathway of vasopressor and vasodepressor reflex in the medulla oblongata of the cat.

Abstracts book of XXIII. International Congress of Physiological Sci.

Tokyo, 231: 116, 1965. (A)

1966.

AVAR Z, MONOS E.

Effect of lateral hypothalamic laesion on pregnant rats and foetal mortality.

Acta Med. Hung. 22: 259–264, 1966.

AVAR Z, MONOS E.

Effect of lateral hypothalamic laesions on pregnancy and neonatal mortality in rats.
Acta Physiol. Hung. Suppl. 30: 323, 1966. (A)

1967.

AVAR Z, MONOS E.

Effect of lateral hypothalamic laesion on maternal behavior and foetal vitality in the rat.
Acta Med. Hung. 23: 25–261, 1967.

MONOS E, KOLTAY E, KOVÁCH AGB.

Adrenal blood flow and corticosteroid secretion III.: Effect of vasopressin on blood circulation and corticosteroid secretion in the dog before and after acute hypophysectomy.

Acta Physiol. Hung. 31: 149–157, 1967.

1968.

MONOS E, KOLTAY E, KOVÁCH AGB.

Effect of neurohypophyseal hormones on dynamics of blood circulation and activity of cortical layer of adrenals. (In Russian)

In: Neurohormonal Chain Reactions and Sympathoadrenal System. "Nauka" Publ., 1968. Pp. 134–140. (B)

1969.

AVAR Z, MONOS E.

Biological role of lateral hypothalamic structures participating in the control of maternal behavior in the rat. Motility, explorative behavior, lactation and the effect of reduced food intake.

Acta Physiol. Hung. 35: 285–294, 1969.

AVAR Z, MONOS E.

Behavioural changes in pregnant rats following far-lateral hypothalamic laesions.
Acta Physiol. Hung. 35: 295–303, 1969.

MONOS E, KOLTAY E, SULYOK A, VENKEY T, KOVÁCH AGB.

Effect of local venous congestion on adrenocortical function. I.: Changes in adrenal corticoid secretion after stepwise reduction of venous outflow.
Acta Physiol. Hung. 35: 305–312, 1969.

SULYOK A, MONOS E, KOLTAY E, BEDE A, KOVÁCH AGB.

Effect of local venous congestion on adrenocortical function. II.: Changes in corticoid release into venous blood and lymph, and in oxygen consumption.

Acta Physiol. Hung. 35: 313–320, 1969.

MONOS E, BIRÓ ZS, SULYOK A, KOVÁCH AGB.

Effect of local venous congestion on adrenocortical function III.: Adrenal cortical and medullary blood flow.

Acta Physiol. Hung. 35: 321–330, 1969.

MONOS E, BIRÓ ZS, KOVÁCH AGB.

The acute effect of hypophysectomy on tissue blood flow and oxygen consumption of the adrenal cortex and medulla in dogs.

Acta Physiol. Hung. 36: 379–389, 1969.

1970.

KOVÁCH AGB, MONOS E, KOLTAY E, DESRIUS A.

Effect of hypothalamic stimulation on adrenal blood flow and glucocorticoid release prior to and after acute hypophysectomy.

Acta Physiol. Hung. 38: 205–216, 1970.

IF: 0.228

MONOS E, SZÜCS B.

Statistical properties of slow changes in blood pressure and flow in the dog.

In: „Pathophysiologie (Beiträge zur Problemen der Hypoxie und mathematischen Modelleirung)“ (Ed: Linke, PG), WB Martin–Luther Univ, Halle–Wittemberg, Halle, 1970. Pp. 175–184. (B)

SZÜCS B, MONOS E.

Circulatory system analysis by a stochastic method using an analogue correlator.

International J. Bio–Med. Computing 1: 47–62, 1970.

Idem in: “Technical and Biological Problems of Control. A Cibernetic View” (Eds: Iberall, SS, Reswick, JB), IFAC, Instrument Society of America, Pittsburgh, Pennsylvania, 1970. Pp. 619–626. (B)

SZÜCS B, MONOS E, CSÁKI F.

On a method for identification of the cardiovascular system.

In: Identification and Process Parameter Estimation.

Akademia Prague. 11.5: 1–7, 1970.

(A)

1971.

AVAR Z, MONOS E.

Hypothalamus, Gravidität und mütterliches Verhalten über die Wirkung von Hypothalamuslaesionen auf die Trächtigkeit und das mütterliche Verhalten.
Fortschr. Med. 89: 1244–1246, 1971.

ZAKHARZHEVSKAYA NP, MONOS E.

On the significance of kidney nervous apparatus for the longterm changes of kidney haemodynamics following administration of adrenalin and noradrenalin.
Fiziol. Zs. SzSzSzR. 57: 116–123, 1971. (In Russian)

1973.

AVAR Z, MONOS E, KURCZ M, NAGY I, BUKULYA B.

Mechanism of perinatal reproductive disorders induced by parafrontal hypothalamic laesions in the rat.

Acta Physiol. Hung. 44: 45–49, 1973.

KOVÁCH AGB, MITSÁNYI A, MONOS E, NYÁRY I, SULYOK A.

Control of organ blood flow following haemorrhage.

Advances Exp. Med. Biol. 33: 1–17, 1973.

MONOS E, KOVÁCH AGB, ÁPRILI Z, SUBA ZS, CSERÉNYI L.

Adrenocortical blood supply during haemorrhage in dogs.

Adv. Exp. Med. Biol. 33: 27–32, 1973.

SZÜCS B, MONOS E.

Application of hybrid computer technique for broad-scale frequency spectrum analysis of blood pressure and blood circulation.

Acta Physiol. Hung. 44: 409–410, 1973.

(A)

SZÜCS B, MONOS E.

Statistical nature of blood pressure and flow waves.

In: "Measurements and Process Identification by Correlation and Spectral Techniques." IMC, Bradford, 1973. Pp. 217–222. (B)

SZÜCS B, MONOS E.

Nature of pulsatile cardiovascular waves.

In: "Regulation and Control in Physiological Systems" (Eds: Iberall AS, Guyton AC), I.S.A. Pittsburgh, Pa. USA, 1973. Pp. 341–344. (B)

1974.

AVAR Z, MONOS E, SZOBOR A, SZATHMÁRY J.

Über die Störungen des Reproduktionssystems bei Hypothalamopathie.

Acta Chir. Hung. 15: 89–94, 1974.

COWLEY AW, MONOS E, GUYTON AC.

Interaction of vasopressin and the baroreceptor reflex system in the regulation of arterial pressure in the dog.

Circulat. Res. 34: 505–514, 1974.

IF: 5,369

MONOS E.

Blood supply and function of adrenal cortex during haemorrhagic and posthypophysectomy hypotension in dogs.

In: "Steroids and Shock" (Ed. Glenn T.M.), University Park Press, Baltimore, USA, 1974. Pp. 203–209. (B)

1975.

CSÁKI F, SZÜCS B, MONOS E.

Engineering and medical applications of statistical data reduction techniques.

In: "Advances in Cybernetics and Systems. Vol. III" (Ed: Rose J), Gordon and Breach Sci. Publ., New York, 1975. Pp. 867–884. (B)

SZÜCS B, MONOS E, CSÁKI F.

New aspects of blood pressure control.

Proceedings of IFAC 6th Triennial World Congress, Boston, Mass. USA, 1975. Pp. 1–10. (A)

1977.

MÁRK G, HUDETZ A, KERÉNYI T, MONOS E, KOVÁCH AGB.

Is the sclerotic vessel wall more rigid really than the normal one?

Prog. Biochem. Pharmacol. 14: 292–297, 1977.

MONOS E.

Durchblutung des Nebenniere.

In: „Klinische Pathologie des Vegetativen Nervensystems. Band 2.“ (Eds: Sturm A, Birkmayer W), Gustav Fischer Verlag, Stuttgart, 1977. Pp. 1390–1401. (B)

SZÜCS B, MONOS E.

Modelling of circulatory control system.

In: "Modern Trends in Cybernetics and Systems" (Eds. Rose, J, Bilciu, C), Springer-Verlag, Berlin, 1977. Vol. 3. Pp. 953–962. (B)

1978.

MONOS E, COX RH, PETERSON LH.

Direct effect of physiological doses of arginin–vasopressin on the arterial wall in vivo.

Am. J. Physiol. 234: H167–H172, 1978.

IF: 3,259

MONOS E, COX RH, PETERSON LH.

Relationship between biomechanical factors and vascular reactions during activation by physiological doses of norepinephrine and vasopressin in vitro.
Acta Physiol. Hung. 52: 11–23, 1978.

MONOS E, SZÜCS B.

Effect of changes in mean arterial pressure on the structure of short-term blood pressure waves.
Automedica 2: 149–160, 1978.

1979.

MONOS E, HUDETZ A, COX RH.

Effect of smooth muscle activation on incremental elastic properties of major arteries.
Acta Physiol. Hung. 53: 31–39, 1979.

MONOS E, KOVÁCH AGB.

Effect of acute ischemia on active and passive large deformation mechanics of canine carotid arteries.
Acta Physiol. Hung. 54: 23–31, 1979.

1980.

HUDETZ A, MÁRK GY, KOVÁCH AGB, MONOS E.

The effect of smooth muscle activation on the mechanical properties of pig carotid arteries.
Acta Physiol. Hung. 56: 263–273, 1980.

MONOS E, CSENGÖDY J.

Does haemodynamic adaptation take place in the vein grafted into an artery ?
Pflügers Arch. 384: 177–182, 1980. IF: 3,135

MONOS E, KOVÁCH AGB.

Biomechanical properties of splenic artery.
Acta Physiol. Hung. 55: 355–364, 1980.

1981.

HUDETZ A, MÁRK G, KOVÁCH AGB, KERÉNYI T, FÓDY L, MONOS E.

Biomechanical properties of normal and fibrosclerotic human cerebral arteries.
Atherosclerosis. 39: 353–365, 1981. IF: 2,462

HUDETZ A, MONOS E.

Characterisation of anisotropic elastic properties of the arteries by exponential and polynomial strain energy functions.
Acta Physiol. Hung. 57: 111–122, 1981.

MONOS E.

Significance of impedance matching between arterial prostheses and host arteries.
 In: "Wissenschaftliche Berichte 6. Jahrestagung, Österreichische Gesellschaft für Biomedizinische Technik" (Eds: Pessenhofer H, Kenner Th.) Verlag für die Technische Universität Graz, 1981. Pp. 82–85. (B)

MONOS E.

Role of arterial mechanics in circulatory functions.
 In: "Heart, Peripheral Circulation and Methodology" Eds: Kovách AGB, Monos E, Rubányi G (Eds),
Adv. Physiol. Sci. 8: 233–243, 1981. (B)

NÁDASY GL, MONOS E, MOHÁCSI E, CSÉPLI J, KOVÁCH AGB

Effect of increased luminal blood flow on the development of the human arterial wall.
Blood Vessels 18: 139–143, 1981. IF: 1,986

1982.

HUDETZ AG, MONOS E.

A structural model for nonlinear anisotropic behavior of the arterial wall.
 In: "Cardiovascular System Dynamics; Models and Measurements"
 (Eds: Kenner Th, Busse R, Hinshofer-Szalkay H),
Plenum Press, New York, 1982. Pp. 337–346. (B)

SZÜCS B, MONOS E.

Direct and inverse models of the aortic pressure transfer.
 In: "Cardiovascular System Dynamics; Models and Measurements" (Eds: Kenner Th et al), *Plenum Press*, New York, 1982. Pp. 209–211. (B)

1983.

MONOS E, ZSOLNAI B, WEIDINGER H.

Die Beeinflussung des Tonus der Nabelschnurarterie durch Magnesium.
 In: "Magnesium und Schwangerschaft" (Ed. H. Weidinger) *Beltz Verlag*, Weinheim, Basel, 1983. Pp. 95–104. (B)

162. SZÜCS B, SÁNDOR J, MONOS E.

Transducer system for absolute intravascular angiometry.
 In: "Technological and Methodological Advances in Measurement II. Measurement of Mechanical and Physical Quantities, Metrology" (Eds: Harvilla K, Solt J, Kemeny T) *Akadémiai Kiadó*, Budapest, 1983. Pp. 473–477. (B)

1984.

SZÜCS B, MONOS E.

Physiological application of an intravascular angiometer.
Acta Physiol. Hung. 63: 285–286, 1984. (A)

1985.

HUDETZ A, MONOS E.

A viscoelastic model of mechanically induced and spontaneous contractions of vascular smooth muscle.

Acta Physiol. Hung. 65: 109–123, 1985.

KAUSER K, KOVÁCH AGB, MONOS E.

In vitro model of postischaemic vascular hyperreactivity.

Acta Physiol. Hung. 66: 351–352, 1985.

(A)

MONOS E, LÁSZLÓ Á, ZSOLNAI B, WEIDINGER H.

Der Effect von Magnesium auf die Motilität der menschlichen Tuba uterina in vitro.

In: „Magnesium in der Frauenheilkunde“ (Ed: Weidinger H), Münchner Wissensch. Publ., Bayreuth, 1985. Pp. 167–173. (B)

NEMES A, ACSÁDY G, FRAEFEL W, LICHTI H, MONOS E, EORTLI R, SOMOGYI E, SÓTONYI P.

Application of a vascular graft material (Solcograft-P) in experimental surgery.

Biomaterials 6: 303–311, 1985.

1986.

HUDETZ A, MONOS E.

A semi-empirical nonlinear viscoelastic model of the arterial wall.

Acta Physiol. Hung. 67: 173–191, 1986.

MONOS E.

Biomechanical aspects of blood vessel function.

Connective Tissue Res. 15: 85–96, 1986.

IF: 1,453

MONOS E.

Az érfal biomechanikája.

Medicina Publ, Budapest, 1986. Pp. 1–161. (B)

ZUBEK L, MONOS E, CSÉPLI J.

Bedeutung der Durchblutungsmessung der Cervix uteri in der ersten Hälfte der Schwangerschaft.

Zent. bl. Gynekol. 108: 900–905, 1986.

1987.

NÁDASY G, MOHÁCSI E, MONOS E, LEAR JC, KOVÁCH AGB.

A simple model describing the elastic properties of human umbilical arterial smooth muscle.

Acta Physiol. Hung. 70: 75–85, 1987.

1988.

BÉRCZI V, SOLTI F, SCHNEIDER F, MONOS E.

Decreased vascular reactivity and elastic stiffening following intramural lymphostasis.
Am. J. Physiol. 255: H1289–H1294, 1988. IF: 3,259

FAZEKAS S, NÁDASY G, MONOS E, KOVÁCH AGB,
SZÉKESSY–HERMANN V.

Purification, phosphate content and phosphorylation of myosin from human vascular smooth muscle.
Acta Physiol. Hung. 72: 23–33, 1988.

LÁSZLÓ Á, NÁDASY G, MONOS E, ZSOLNAI B.

Effect of pharmacological agents on the activity of the circular and longitudinal smooth muscle layers of human Fallopian tube ampular segments.
Acta Physiol. Hung. 72: 123–133, 1988.

NÁDASY G, LÁSZLÓ Á, MONOS E, ZSOLNAI B.

Spontaneous periodic contraction of the ampullar segment of the human Fallopian tube in vitro.
Acta Physiol. Hung. 72: 13–21, 1988.

NÁDASY G, MONOS E, MOHÁCSI E, KOVÁCH AGB.

The background of hysteretic properties of the human umbilical arterial wall. Smooth muscle contraction and hysteresis of the pressure–radius curves.
Acta Physiol. Hung. 71: 347–361, 1988.

NÁDASY G, POLENOV S, CHERNYAVSKAYA G, MONOS E, HAMAR J,
KOVÁCH AGB.

Norepinephrine induced contractions of the feline mesenteric vein under oxygenised and hypoxic conditions in vitro.
Acta Physiol. Hung. 71: 45–50, 1988.

STEKIEL WJ, MYERS, K, MONOS E, LOMBARD J.

Strech-dependent tone in small mesenteric and gracilis muscle arteries from spontaneous (SHR) and volume-expanded hypertensive rats.
In: "Resistance Arteries" (Eds: Halpern W et al),
Perinat. Press, 1988. Pp. 342–350. (B)

1989.

MONOS E, CONTNEY S, COWLEY AW Jr, STEKIEL WJ.

Electrical and mechanical responses of rat saphenous vein to short-term pressure load.
Am. J. Physiol. 256: H47–H56, 1989. IF: 3,259

MONOS E, CONTNEY S, COWLEY AW Jr, STEKIEL WJ.

Effect of long-term tilt on mechanical and electrical properties of rat saphenous vein.
Am. J. Physiol. 256: H1185–H1191, 1989. IF: 3,259

NÁDASY G, SOLTI F, MONOS E, SCHNEIDER F, BÉRCZI V, KOVÁCH AGB.
 Effect of two week lymphatic occlusion on the mechanical properties of dog femoral arteries.
Atherosclerosis 78: 251–260, 1989. IF: 2,183

1990.

BÉRCZI V, TÓTH P, KOVÁCH AGB, MONOS E.
 Biomechanical properties of canine vertebral and internal carotid arteries.
Acta Physiol. Hung. 75: 133–145, 1990.

LÁSZLÓ Á, NÁDASY G, ERDŐ S, MONOS E, SIKLÓSI G, ZSOLNAI B.
 Effect of GABA on the spontaneous muscular activity of the human Fallopian tube ampullar segments in vitro
Acta Physiol. Hung. 76: 123-130, 1990.

1991.

MONOS E.
 Compliance of the veins - local control mechanisms.
Med. Razgl. 30: 129-132, 1991.

MONOS E.
 Biomechanical aspects of cardiovascular control.
Acta Bio-Medica 62: 67-78, 1991.

MONOS E, KAUSER K, CONTNEY SJ, COWLEY AW Jr, STEKIEL WJ.
 Biomechanical and electrical responses of normal and hypertensive veins to short-term pressure increases.
 In.: "Cellular Aspects of Hypertension" (Eds: Bruschi G, Borghetti A), Springer-Verlag, Heidelberg, 1991. Pp. 51-57. (B)

NÁDASY G, PUSZTAI P, KERÉNYI T, MERKEL V, TÖLGYESSY L, JELLINEK H, KOVÁCH AGB, MONOS E.

Passive geometric and elastic properties of human cadaver common carotid artery segments after intraluminal-enzyme digestion with the aid of a four-way double balloon catheter.
Cor et Vasa 33: 58-67, 1991.

NÁDASY G, SZÉKÁCS B, JUHÁSZ I, FEHÉR J, KOVÁCH A, MONOS E.
 Role of endothelium, oxygen, and ionic milieu in the prostacyclin and thromboxane production of rat aortic tissue slices.
Acta Physiol. Hung. 78: 77-87, 1991.

1992.

BÉRCZI V, GREENE A S, DÖRNYEI G, CSENGŐDY J, HÓDY G, KÁDÁR A, MONOS E.

Venous myogenic tone: studies in human and canine vessels.

Am. J. Physiol. 263: H315-H320, 1992.

IF: 3,259

DÉZSI L, DÖRNYEI G, TULASSAY T, MONOS E.

Somatostatin induces endothelium-mediated dilation on cat mesenteric artery.

J. Vasc. Res. 29: 103, 1992.

(A), IF: 2,667

LÁSZLÓ Á, NÁDASY G, MONOS E, ZSOLNAI B, ERDŐ SL.

The GABAergic system in the human female genital organs.

In: "GABA Outside the CNS" (Ed: Erdő SL),

Springer-Verlag, Heidelberg, 1992. Pp. 183-197.

(B)

MONOS E, SEDLACSEK S, BUGA L, NÁDASY GY.

Video-angiometer for monitoring automatically the diameter changes of small vessels.
In: "9th Hungarian Conference on Biomedical Engineering" (2nd Regional Meeting of Danube Countries), Budapest, 1992. P: 129.

(A)

MONOS E, SZABÓ CS, BÉRCZI V, KOVÁCH A.

Reziproke Wirkung von Magnesium auf den Venentonus.

In: "Bioelemente und Schwangerschaft (6. Bayreuther Gespräch)" (Ed: Weidinger H), Blackwell Wissenschaft, 1992. Pp. 207-217.

(B)

MONOS E, SZÜCS B.

Vascular biomechanical factors in regulation of arterial hemodynamics: computer models.

Acta Physiol. Hung. 79: 3-22, 1992.

NÁDASY GL, SZÉKÁCS B, JUHÁSZ I, MONOS E.

Pharmacological modulation of prostacyclin and thromboxane production of rat and cat venous tissue slices.

Prostaglandins, 44: 339-355, 1992.

IF: 1,386

SZABÓ CS, BÉRCZI V, SCHNEIDER F, KOVÁCH A, MONOS E.

Role of endothelium in the response of the vein wall to magnesium withdrawal.

Pflügers Arch. 420: 140-145, 1992.

IF: 3,115

1993.

MONOS E.

How does vein wall respond to pressure?

News in Physiol. Sci. 8: 124-128, 1993. (Invited review)

IF: 2,170

MONOS E.

Centenary of the first association for the Hungarian Scholars of Physiology.

Hippocrates, 10: 46-56, 1993. (In Finish language)

- MONOS E, CONTNEY SJ, DÖRNYEI G, COWLEY AW Jr, STEKIEL WJ.
 Hyperpolarization of *in situ* rat saphenous vein in response to axial stretch.
Am J. Physiol. 265: H857-H861, 1993. IF: 3,139
- 1995.
- HUDLICKA O, DÖRNYEI G, MONOS E.
 The effect of long-term tilting on capillary supply in rat hindlimb muscles.
Acta Physiol. Hung. 83: 205-212, 1995.
- MONOS E.
 Remembering Ignác Semmelweis.
 In: "Memorial Book Semmelweis University of Medicine 1769-1994" (Ed: Memorial Committee of the Semmelweis Medical University),
 Budapest, Pp. 91-94, 1995. (B)
- MONOS E, BÉRCZI V, NÁDASY GY.
 Local control of veins: biomechanical, metabolic, and humoral aspects.
Physiol. Rev. 75: 611-666, 1995. (Invited review) IF: 20,545
- MONOS E, SZÚCS B.
 Optimization of hemodynamic energy expenditure in the arterial system.
Obes. Res. 3: 811S-818S, 1995. IF: 2,265
- 1996.
- DÉZSI L, SZENTIVÁNYI M, DÖRNYEI G, LÖWENSTEIN L, FARAGÓ M, TULASSAY T, MONOS E.
 Regional differences in nitric oxide-dependent vascular responses to somatostatin.
Physiol. Res. 45: 291-296, 1996. IF: 0,588
- DÖRNYEI G, MONOS E, KALEY G, KOLLER Á.
 Myogenic responses of isolated rat skeletal muscle venules; its characteristics and modulation by norepinephrine and endothelium.
Am. J. Physiol. 271: H267-H272, 1996. IF: 3,323
- MONOS E.
 Vein functions, biomechanics, and local control mechanisms.
J. Iran Univ. Med. Sci. 3: 85-97, 1996.
- MONOS E.
 Venous biomechanics: physiology and measurements.
J. Cardiovasc. Diagn. Proced. 13: 147-154, 1996. IF: 0,183
- MONOS E, GYÖNGY L, JOBBÁGY Á.
 A novel method for motion analysis of animals exposed to gravitational load.
J. Physiol. (London) 491: 75P, 1996. (A), IF: 4,741

NÁDASY GL, VERESS., MONOS E.

In vivo dose-response characteristics of endothelin-1: studies on rat saphenous vein.
Acta Physiol. Hung. 84: 1-7, 1996.

SZENTIVÁNYI M, NÁDASY GY, DÉZSI L, MÓZES G, TULASSAY T, MONOS E.

Nitric oxide dependent opposite effects of somatostatin on arterial and venous caliber
in situ.
Am. J. Physiol. 271: H2238-H2245, 1996. IF: 3,323

SZÉKÁCS B, NÁDASY GY, VAJÓ Z, JUHÁSZ I, FEHÉR J, MONOS E.

Prostacyclin and thromboxane production of rat and cat arterial tissue is altered
independently by several vasoactive substances.
Prostaglandins 52: 221-235, 1996. IF: 1,814

1997.

DÉZSI L, DÖRNYEI G, SZENTIVÁNYI M, TULASSAY T, MONOS E.

Somatostatin induces vasodilatation in the cat mesenteric artery via endothelium-
derived nitric oxide and prostaglandins.
Pflügers Arch. - Eur.J.Physiol. 433: 536-538, 1997. IF: 2,580

MONOS E., LÓRÁNT M., FEHÉR E.

Mechanisms of vascular adaptation to long-term orthostatic gravitational loading.
J. Gravit. Physiol. 4: P39-P40, 1997.

OROSZ M, MOLNÁRKA GY, MONOS E.

Curve fitting methods and mechanical models for identification on viscoelastic
parameters of vascular wall - a comparative study.
Med. Sci. Monit. 3(4): 599-604, 1997.

SZEKERES M, DÉZSI L, MONOS E, METSÄ-KETELÄ T.

Effect of a new nitric-oxide donor on the biomechanical performance of the isolated
ischemic rat heart.

Acta Physiol. Scand. 161: 55-61, 1997. IF: 1,204

SZENTIVÁNYI M, BÉRCZI V, HÜTTL T, RENEMAN RS, MONOS E.

Venous myogenic tone and its regulation through K⁺ channels depends on chronic
intravascular pressure.

Circulat. Res. 81: 988-995, 1997. IF: 8,438

SZIRMAI L, BÉRCZI V, SZENTIVÁNYI M, MARIN E, HÄNNINEN O, MONOS E.

Effect of prolonged heavy exercise on passive biomechanics of splanchnic and cranial
blood vessels in dogs.

Pathophysiology 4: 15-24, 1997.

1998.

KAKUCS R, VÁRBÍRÓ SZ, SZÉKÁCS B, NÁDASY GY, ÁCS N, MONOS E.
 Direct relaxing effect of estradiol-17 β and progesterone on rat saphenous artery.
Microvasc. Res. 56: 139-143, 1998. IF: 1,417

MONOS E.
 Why do we teach physiology the way we do? An analysis of national characteristics.
Adv. Physiol. Educ. 19/1: S38-S40, 1998. IF: 6,800

MONOS E.
 Functional and morphological "remodeling" of the extremity blood vessels after long-term experimental tilt-position.
 In: "Abstracts book of 3rd World Congress of Biomechanics",
 Sapporo, 1998. P: 50. (A)

MONOS E, FARAGÓ M.
 Physiology in the oeuvre of a prominent Hungarian medical scientist - Endre Högyes.
Acta Physiol. Hung. 85: 287-290, 1998.

SZEKERES M, NÁDASY GY, DÉZSI L, OROSZ M, MONOS E.
 Segmental differences in geometric, elastic and contractile characteristics of small intraluminal coronary arteries of the rat.
J. Vasc. Res. 35: 332-344, 1998. IF: 2,458

SZENTIVÁNYI M, NÁDASY G, TÓTH M, KOPCSÁNYI V, JEDNÁKOVITS A,
 MONOS E.
 Biomechanics of the saphenous artery and vein in spontaneous hypertension in rats.
Pathophysiology 4: 295-302, 1998.

TÓTH M, NÁDASY GL, NYÁRY I, KERÉNYI T, OROSZ M, MOLNÁRKA GY,
 MONOS E.
 Sterically inhomogenous viscoelastic behaviour of human saccular cerebral aneurysm.
J. Vasc. Res. 35: 345-355, 1998. IF: 2,458

1999.

ÁCS N, SZÉKÁCS B, NÁDASY GL, VÁRBÍRÓ SZ, KAKUCS R, MONOS E.
 The effect of ovariectomy and oestrogen replacement on small artery biomechanics in the rat.
Brit. J. Obstr. Gynecol. 106: 148-154, 1999. IF: 2,067

MONOS E.
 Physiology of the Venous System.
Semmelweis Univ., Budapest, 1999. Pp: 1-41. (B)

MONOS E.
 The way teaching human physiology can support primary prevention.
Acta Physiol. Hung. 86: 205-210, 1999.

OROSZ M, MOLNÁRKA GY, NÁDASY GY, RAFFAI G, KOZMANN GY, MONOS E.

Validity of viscoelastic models of blood vessel wall.

Acta Physiol Hung. 86: 265-271, 1999.

OROSZ M, MOLNÁRKA GY, TÓTH M, NÁDASY GY, MONOS E.

Viscoelastic behavior of vascular wall simulated by generalized Maxwell models - a comparative study.

Med. Sci. Monit. 5: 549-555, 1999.

2000.

ÁCS N, SZÉKÁCS B, NÁDASY GY, VÁRBÍRÓ SZ, MIKLÓS ZS, SZENTIVÁNYI M Jr, MONOS E.

Effects of combined sex hormone replacement therapy on small artery biomechanics in pharmacologically ovariectomized rats.

Maturitas 34: 83-92, 2000.

IF: 1,40.

DÖRNYEI G, MONOS E, KALEY G, KOLLER Á.

Regular exercise enhances blood pressure lowering effect of acetylcholine by increased contribution of nitric oxide.

Acta Physiol. Hung., 87: 127-138, 2000.

TÓTH M, NÁDASY G, NYÁRY I, KERÉNYI T, MONOS E.

Are there systemic changes in the arterial biomechanics of intracranial aneurysm patients?

Pflügers Arch. (Eur. J. Physiol.) 439: 573-578, 2000.

IF: 2,35

VÁRBÍRÓ SZ, NÁDASY GY, MONOS E, VAJÓ Z, ÁCS N, MIKLÓS ZS, TÓKÉS A-M, SZÉKÁCS B.

Effect of ovariectomy and hormone replacement therapy on small artery biomechanics in angiotensin-induced hypertension in rats.

J. Hypertens. 18: 1587-1595, 2000.

IF: 3,03

2001.

ÁCS N, VAJÓ Z, DEMENDI C, NÁDASY GY, MONOS E, SZÉKÁCS B.

Estrogen improves impaired musculocutaneous vascular adrenergic reactivity in pharmacologically ovariectomized rats: a potential peripheral mechanism for hot flashes?

Gynecol. Endocrinol. 15: 68-73, 2001.

IF: 1,061

KAKUCS R, VÁRBÍRÓ SZ, NÁDASY GY, MONOS E, SZÉKÁCS B.

Acute, nongenomic vasodilatory action of estradiol is attenuated by chronic estradiol treatment.

Exp. Biol. Med. 226: 538-542, 2001.

LÓRÁNT M, RAFFAI G, NÁDASY GY, FEHÉR E, MONOS E.

Influence of long-term head-down body position on innervation density in extremity blood vessels.

J. Gravit. Physiol. 8: P67-P68, 2001.

MONOS E, LÓRÁNT M, FEHÉR E.

Influence of long-term experimental orthostatic body position on innervation density in extremity vessels.

Am. J. Physiol. 281: H 1606-H1612, 2001.

IF: 2,74

MONOS E, RAFFAI G, CONTNEY SJ, STEKIEL WJ, COWLEY Jr AW.

Axial stretching of extremity artery induces reversible hyperpolarization of smooth muscle cell membrane in vivo.

Acta Physiol. Hung. 88: 197-206, 2001.

MONOS E, RAFFAI G, FEHÉR E, NÁDASY G, PAKU S, POGÁNY G, TÍMÁR F, SZENDE B.

Formation of unknown vesicles in endothelium of rat saphenous vein. Is it physiological, artificial, or pathological?

Jpn. J. Pathophysiol. 10: 25, 2001.

(A)

NÁDASY GY, SZEKERES M, DÉZSI L, VÁRBÍRÓ SZ, SZÉKÁCS B, MONOS E.

Preparation of intramural small coronary artery and arteriole segments and resistance artery networks from the rat heart for microarteriography and for in situ perfusion video mapping. (A brief technical communication)

Microvasc. Res. 61: 282-286, 2001.

IF: 1,417

VÁRBÍRÓ SZ, VAJÓ Z., NÁDASY GY, MONOS E, ÁCS N, SZÉKÁCS B.

Hormone replacement reduces elevated in vivo venous tone in hypertensive ovariectomized rats.

J. Soc. Gynecol. Investig. 8: 98-103, 2001.

IF: 2,000

VÁRBÍRÓ SZ, NÁDASY GY, MONOS E, ÁCS N, VAJO Z, SZÉKÁCS B.

Sex hormone replacement therapy reverses decreased venous distensibility in pharmacologically ovariectomized rats.

Menopause 8: 204-209, 2001.

IF: 1,387

2002.

DÖRNYEI G, NÁDASY GL, MONOS E.

Myogenic tone of rat saphenous vein is reduced by head-down gravitational stress.

Acta Physiol. Hung. 89: 92, 2002.

(A)

JOBBÁGY Á, GYÖNGY L, MONOS E.

Quantitative evaluation of long-term locomotor activity of rats.

IEEE Trans. Instrum. Meas. 51: 393-397, 2002.

IF: 0,416

MOLNÁR AÁ, KOVÁCS V, RUZICS CS, APOR A, HÜTTL K, NÁDASY GL, MONOS E, BÉRCZI V.

Non-invasive, in situ investigation of human vein elasticity.

Acta Physiol. Hung. 89: 162, 2002.

(A)

MONOS E.

Hemodynamics: Biomechanics of the Blood Circulation.
Semmelweis Univ, Budapest, 2002. Pp: 1-43.

(B)

MONOS E, FARAGÓ M, HÄNNINEN O.

Semmelweis ja Suomi.
Hippocrates 19: 43-56, 2002. (In Finnish with English abstract)

MONOS E, SZOLLÁR L.

History of teaching physiological sciences for medical students in Hungary.
Acta Physiol. Hung. 89: 337, 2002. (A)

RAFFAI G, FEHÉR E, NÁDASY G, PAKU S, POGÁNY G, TÍMÁR F, SZENDE B,
MONOS E.

Formation of unknown vesicles in endothelium of rat saphenous vein. Is it
physiological, artificial, or pathological?
Jpn. J. Pathophysiol. 11: 27-34, 2002.

SZENTIVÁNYI M Jr, ZOU AP, MONOS E, COWLEY AW Jr.

Impaired responsiveness of the renal medullary NO system enhances the hypertensive
effects of angiotensin II in Dahl-S rats.

Acta Physiol. Hung. 89: 226, 2002. (A)

2003.

HÄNNINEN O, FARAGÓ M, MONOS E.

Semmelweis' discovery and its Finnish follow-up.
Acta Physiol. Hung. 90: 83-95, 2003.

LÓRÁNT M, NÁDASY GL, RAFFAI G, MONOS E.

Remodeling of the rat saphenous vein network in response to long-term gravitational
load.

Physiol. Res. 52: 525-531, 2003. IF: 0,939

MONOS E, LÓRÁNT M, DÖRNYEI G, BÉRCZI V, NÁDASY Gy.

Tartós orthostatikus toleranciát támogató élettani mechanizmusok a végtagi vénákban.
Orv. Hetilap 144/35: 21-26, 2003. (Invited review)

MONOS E, LÓRÁNT M, DÖRNYEI G, BÉRCZI V, NÁDASY Gy.

Long-term adaptation mechanisms in extremity veins supporting orthostatic tolerance.
News Physiol. Sci. 18: 210-214, 2003. (Invited review) IF: 1,817

SZOLLÁR L, MONOS E.

Riport on the 4th World Congress of Pathophysiology.
Acta Physiol. Hung. 90: 171-173, 2003.

ROSIVALL L, MONOS E.

IV. Nemzetközi Körélettani Kongresszus (Budapest, 2002.június 29.-július 5.)
 Lege Artis Medicinae 13/1: 45-47, 2003.

2004.

DÖRNYEI G, PRIGYA O, NÁDASY GL, MONOS E.

Myogenic tone of rat saphenous vein is enhanced even by one week head-up gravitational stress.

Acta Physiol. Hung. 91: 291-292, 2004. (A)

MÁTRAI M, MERICLI M, VÁRBÍRÓ SZ, SZEKERES M, NÁDASY GL, MONOS E, SZÉKÁCS B.

Estrogens play a dual role in the regulation of vascular tone of resistance arteries in the heart.

Acta Physiol. Hung. 91: 327-328, 2004. (A)

MERICLI M, NÁDASY GY, SZEKERES M, VÁRBÍRÓ SZ, VAJO Z, MÁTRAI M, ÁCS N, MONOS E, SZÉKÁCS B.

Estrogen replacement therapy reverses changes in intramural coronary resistance arteries caused by female sex hormone depletion.

Cardiovasc. Res. 61: 317-324, 2004. IF: 4.552

MERICLI M, NÁDASY GyL, SZEKERES M, VÁRBÍRÓ SZ, VAJÓ Z, MÁTRAI M, ÁCS N, MONOS E, SZÉKÁCS B.

Petefészekirtás és ösztrogénkezelés hatása intarmurális koszorúserek biomechanikai és farmakológiai tulajdonságaira állatkísérletes modellben.

Magyar Nőorvosok Lapja 67: 333-343, 2004.

MONOS E.

Circulation.

In: Physiology and Maintenance, ed. OOP Hänninen, M Atalay, Part No. 7. (26 pages with 14 figures)

UNESCO Encyclopedia of Life Support Systems EOLSS <www.eolss.net>, 2004. (Int)

MONOS E.

Venous System.

In: Physiology and Maintenance, ed. OOP Hänninen, M Atalay, Part No. 7.

UNESCO Encyclopedia of Life Support Systems EOLSS <www.eolss.net>, 2004. (Int)

MONOS E.

A perifériás érrendszer fiziológiás és kóros hemodinamikája.

In: Vascularis Medicina, ed. Meskó Éva,

Therapia kiadó, Budapest, 2004. Pp. 45-54. (B)

MONOS E.

A vénás rendszer élettana. 3. átdolgozott kiadás (ISBN 963 9129 52 6).

Semmelweis Egyetem KODK, Budapest, 2004. Pp: 1-63. (B)

MONOS E.

Hemodinamika: A vérkeringés biomechanikája (ISBN 963 9129 55 0).
Semmelweis Kiadó, Budapest, 2004. Pp: 1- 40. (B)

MONOS E, FEHÉR E, BÉRCZI V, DÖRNYEI G, NÁDASY GY, TÓTH M.

Functional and structural remodeling in the vascular system under physiological and pathological conditions.

In: Research Reports Ministry of Health 2000-2002, ed. Ministry of Health, MRC Secretariat, Budapest, 2004. P. 273.

MONOS E, RAFFAI G, DÖRNYEI G, NÁDASY GY, FEHÉR E.

Chronic adaptation mechanisms of veins – role of the gravitation.

Acta Physiol. Hung. 91: 335-336, 2004. (Invited presentation) (A)

MONOS E, SZOLLÁR L.

A historical chronology of teaching physiological sciences to medical students in Hungary

Acta Physiol. Hung. 91: 167-173, 2004.

NÁDASY GL, VÁRBÍRÓ S, SZEKERES M, MÁTRAI M, KOCSIS A, HETTHÉSY J, SZÉKÁCS B, MONOS E, KOLLAI M.

Hypertonic remodelling and its regression in a resistance artery.

Acta Physiol Hung. 91: 337-338, 2004. (Invited presentation) (A)

RAFFAI G., FEHÉR E., NÁDASY G., PAKU S., POGÁNY G., TÍMÁR F., SZENDE B., MONOS E.

Vacuole formation in the endothelium of rat extremity vessels depends on fixation techniques and vessel type.

Pathol. Res. Pract. 200: 41-46, 2004. IF: 0,987

RAFFAI G, MÉSZÁROS M, KOLLAI M, MONOS E, DÉZSI L.

Normo- and hypotensive Wistar rats respond with rise of blood pressure to 45° head-up tilting.

Acta Physiol. Hung. 91: 354-355, 2004. (A)

SZOLLÁR L, MONOS E.

Riport on the 4th World Congress of Pathophysiology.

ISP Pathophysiology 11: 57-58, 2004.

2005.

BÉRCZI V, MOLNÁR AA, APOR A, KOVÁCS V, RÚZICS C, VÁRALLYAY C, HÜTTL K, MONOS E, NÁDASY GL.

Non-invasive assessment of human large vein diameter, capacity, distensibility and ellipticity in situ: dependence on anatomical location, age, body position and pressure.

Eur. J. Appl. Physiol. 95: 283-289, 2005.

DOI: 10.1007/s00421-005-0002-y

IF: 1.752

LÓRÁNT M, RAFFAI G, NÁDASY G, FEHÉR E, MONOS E.

Does chronic experimental head-down tilt alter intramural innervation density of the limb blood vessels?

Jpn. J. Physiol. 55: 127-135, 2005.

IF: 0.810

MÁTRAI M, MERICLI M, VÁRBÍRÓ SZ, SZEKERES M, NÁDASY G, MONOS E, SZÉKÁCS B.

Angiotenzin kezelés patkányszív intramurális ereinek átépülését és fokozott vazokonstriktor érzékenységét okozza.

Érbetegségek, suppl. 1: 16-17, 2005.

(A)

MONOS E.

A végtagerek alkalmazkodási mechanizmusai tartós gravitációs hatásokhoz.

In: Őrtevékenység Magyarországon 2004, ed. Both Előd, Magyar Őrkutatási Iroda, Budapest, 2005. Pp. 34-39. (Felkért referátum) (B)

MONOS E. (Ed.)

Rectors Medici Nagyszombat-Budapest.

Semmelweis Kiadó, Budapest, 2005. (HU ISBN 963-9214-92-2) (B)

MONOS E, NÁDASY G, DÖRNYEI G, SZÉKÁCS B.

A keringés-szabályozás és célszervek változásai időskorban.

Háziórvi Továbbképző Szemle 10: 31-36, 2005.

MONOS E, NÁDASY G, DÖRNYEI G, SZÉKÁCS B.

Az idősödést kísérő fiziológiás változások a cardiovascularis rendszerben.

Érbetegségek 12: 71-79, 2005.

MONOS E, RAFFAI G, SZÉKÁCS B.

A szív és érrendszer fiziológiai öregedése.

In: Geriátria, az időskor gyógyászata, ed. Székács Béla, Semmelweis Kiadó, Budapest, 2005. Pp. 18-22. (B)

MONOS E, RAFFAI G, DÖRNYEI G, NÁDASY G, FEHÉR E.

Végtagerek adaptív mechanizmusai – a gravitációs kihívás.

Érbetegségek, suppl./1: 16, 2005.

(A)

MONOS E, SZOLLÁR L.

Hungarian heritage in physiological sciences.

Acta Physiol. Hung. 92: 360-361, 2005.

(A)

NÁDASY G, MERICLI M, MÁTRAI M, VÁRBÍRÓ SZ, SZEKERES M, ÁCS N, MONOS E, SZÉKÁCS B.

Hím és nőstény patkányok intramurális koronária rezisztencia artériái között észlelt biomechanikai és farmakológiai különbségek.

Érbetegségek, suppl. 1: 17, 2005.

(A)

NÁDASY G, MERICLI M, MÁTRAI M, VÁRBÍRÓ SZ, SZEKERES M, ÁCS N, MONOS E, SZÉKÁCS B.

Gender differences in biomechanics of intramural coronary resistance arteries of the rat.

Acta Physiol. Hung. 92: 287-288, 2005. (A)

PRIGYA O (SE ÁOK 4) (Témavezetők: DÖRNYEI G, MONOS E).

Milyen gyorsan augmentálódik kísérletes orthostázis hatására a miogén tonus a vena saphenában.

Orvosi és Gyógyszerészeti Szemle (Marosvásárhely), 51/suppl. 1: 16, 2005.

RAFFAI G, MÉSZÁROS M, KOLLAI M, MONOS E, DÉZSI L.

Experimental orthostasis elicits sustained hypertension, which can be prevented by sympathetic blockade in the rat.

J. Cardiovasc. Pharmacol. 45: 354-361, 2005. IF: 1.576

RAFFAI G, FEHÉR E, NÁDASY G, PAKU S, POGÁNY G, TÍMÁR F, SZENDE B, MONOS E.

Selective suppression of an endothelin and platelet-derived growth factor containing vesicular system in endothelium of rat saphenous vein by long-term orthostasis.

J. Vasc. Res. 42: 157-164, 2005. IF: 2.486

RAFFAI G, TÓTH B, BOJTÁR I, NYÁRY I, MONOS E.

Setup for biaxial biomechanical characterization of small soft tissue samples

Acta Physiol. Hung. 92: 301-302, 2005. (A)

RAFFAI G, TÓTH B, BOJTÁR I, NYÁRY I, MONOS E.

A novel setup for biaxial biomechanical characterization of miniature planar soft tissue samples.

J. Biomech. 2005. (Submitted)

SZEKERES M, KALEY G, NÁDASY G, DÉZSI L, MONOS E, KOLLER Á.

Aktív és passzív biomechanikai jellegzetességek összefüggései patkány intramurális koronária arteriolákban: a miogén mechanizmus és a nitrogen monoxide szerepe.

Érbetegségek, suppl./1: 24, 2005. (A)

SZEKERES M, NÁDASY G, DÉZSI L, KALEY G, MONOS E, KOLLER Á.

Heterogeneity in vascular biomechanics and functional reactivity of coronary arteries and arterioles.

Acta Physiol. Hung. 92: 307-308, 2005. (A)

ZILAHY G, THEMISTOKLIS K (SE ÁOK 4)

(Témavezetők: RAFFAI G, MONOS E).

Az intracranialis aneurizmák biomechanikai tulajdonságai.

Orvosi és Gyógyszerészeti Szemle (Marosvásárhely), 51/suppl. 1: 16, 2005.

2006.

DÉZSI L, RAFFAI G, MONOS E.

Both orthostasis and inverse-orthostasis elicit sustained hypertension in conscious rats.

Chinese J. Pathophysiol. 22/suppl. 13: 175, 2006. (A)

DÉZSI L, RAFFAI G, MONOS E.

Both orthostasis and inverse-orthostasis elicit prolonged hypertension in conscious rats via sympathetic activation.

Acta Physiol. Hung. 93: 167, 2006. (A)

DÉZSI L., RAFFAI G., MONOS E.

Ortosztatikus és inverz-ortosztatikus hipertenzió vizsgálata telemetriás módszerrel éber patkányon.

Experimentális és molekuláris kardiológia.

Cardiologia Hungarica, Kongr.

Előadáskivonatok Suppl. A. 2006. (A)

FARKAS I, NYÁRY I, RAFFAI G, ZILAHY G, MONOS E.

Intracranialis aneurizmák biomechanikája. (Abstr.: Biomechanics of intracranial aneurisms.)

Idegyógy. Sz. 59: 428-432, 2006.

HÄNNINEN O, MONOS E.

Semmelweis' Finnish connections: the promotion of obstetric and general hospital hygiene.

Proceedings I. of the 40th International Congress on the History of Medicine, August 26-30, 2006, Budapest – Hungary. Pp. 283-286. (B)

HÄNNINEN O, MONOS E, FARAGÓ M.

Semmelweis' discovery and its Finnish follow-up.

Comm. de Hist. Artis Med. 194-195: 21-28, 2006.

MOLNÁR AÁ, APOR A, KRISTÓF V, NÁDASY GyL, PRÉDA I, HÜTTL K, ACSÁDY G, MONOS E, BÉRCZI V.

Generalized changes in venous distensibility in postthrombotic patients.

DOI: 10.1016/j.thromres.2005.05.012

Thromb. Res. 117: 639-645, 2006.

IF: 2.058

MONOS E.

2006. Blood Circulation: Its Dynamics and Physiological Control, in Physiology and Maintenance, edited by OOP Hänninen, M Atalay, in Encyclopedia of Life Support Systems (EOLSS), Developed under the auspices of the UNESCO, Eolss Publishers, Oxford, UK, [<http://www.eolss.net>] (Int)

MONOS E.

A kutatóorvos egyénisége és hivatása: hitvallás a hivatásról. (Character and mission of the medical scientist: a confession about the calling.)

Orvosképzés 81: 49-53, 2006.

MONOS E.

The documents of the first Hungarian physiological association formed 115 years ago, and those of the resulting historical milestones.

Acta Physiol. Hung. 93: 213-214, 2006.

(A)

MONOS E, RAFFAI G, DÖRNYEI G, FEHÉR E, NÁDASY GL

Autonomic responses in extremity veins to long-term changes of gravitation.
Chinese J. Pathophysiol. 22/suppl. 13: 173, 2006. (A)

MONOS E, WENGER T.

History of the foundation and activity of the first physiological association in Hungary.
Proceedings I. of the 40th International Congress on the History of Medicine, August 26-30, 2006, Budapest – Hungary. P. 159. (A)

NÁDASY GL, SZEKERES M, VÁRBÍRÓ S, KOCSIS A, SZÉKÁCS B, MONOS E, KOLLAI M.

Changes in elasticity of a small artery with age, hypertension and recovery
Chinese J. Pathophysiol. 22/suppl. 13: 62-63, 2006. (A)

PRIGYA O (SE ÁOK 5) (Témavezetők: MÁTRAI M, MONOS E).

Kombinált hipertóniás patkány model kisvénák miogén tónusának tanulmányozására.
Orvosi és Gyógyszerészeti Szemle (Marosvásárhely),
52/suppl. 1: 20, 2006. (A)

RAFFAI G (Tutor: MONOS E.).

Adaptation of the cardiovascular system to gravitational loading: systemic hemodynamic and regional vascular responses to acute and chronic orthostasis.
PhD Thesis, Semmelweis University, Budapest, 2006.

RAFFAI G, KOCSIS L, MÉSZÁROS M, MONOS E, DÉZSI L.

Inverse-orthostasis may induce elevation of blood pressure due to sympathetic activation.

J. Cardiovasc. Pharmacol. 47: 287-294, 2006. IF: 1.576

RAFFAI G, NYÁRY I, FARKAS I, SERES-STURM L, THEMISTOKLIS K, MONOS E.

Biomechanical properties of ruptured and unruptured intracranial aneurisms.
Acta Physiol. Hung. 93: 224, 2006. (A)

VÁRBÍRÓ S, MÁTRAI M, SZEKERES M, NÁDASY GL, SZÁKY E, MERICLI M, BÁNHIDY F, MONOS E, SZÉKÁCS B.

Intramural coronary artery constrictor reactivity to thromboxane is higher in male than in female rats.

Gynecol. Endocrinol. 22: 44-47, 2006. IF: 0.852

2007.

CSEKŐ CS, RAFFAI G, KOCSIS L, DÉZSI L, MONOS E.

Does long-term experimental antiorthostasis lead to cardiovascular deconditioning in the rat?

Acta Physiol. Hung. 94: 336-337, 2007. (A) IF: 0.453

- GŐSI G, RAFFAI G, FEHÉR E, ACSÁDY GY, MONOS E.
 Electron-dense vesicles in the endothelium of human extremity veins.
Acta Physiol. Hung. 94: 342-343, 2007. (A) IF: 0.453
- HETHÉSSY J, MONOS E, NÁDASY GY.
 Krónikus vénás szükület hatása az odavezető vénaszakasz biomechanikai tulajdonságaira.
Érbetegségek, suppl. 1: 23, 2007. (A)
- HETHÉSSY JR, MONOS E, NÁDASY GL.
 Effects of an artificial stricture on the biomechanical properties of the rat saphenous vein.
Acta Physiol. Hung. 94: 351-352, 2007. (A) IF: 0.453
- MÁTRAI M, MERICLI M, NÁDASY GL, SZEKERES M, VÁRBÍRÓ S, BÁNHIDY F, ÁCS N, MONOS E, SZÉKÁCS B.
 Gender differences in biomechanical properties of intramural coronary resistance arteries of rats, an in vitro microarteriographic study.
J. Biomech. 40: 1024-1030, 2007. IF: 2.36
- MOLNÁR AÁ, APOR A, KRISTÓF V, NÁDASY GL, SZEBERIN Z, MONOS E, ACSÁDY G, PRÉDA I, BÉRCZI V.
 Fiatal, asymptomaticus thrombophyliás betegek vénáinak biomechanikai tulajdonságai.
Érbetegségek, suppl. 1: 13-14, 2007. (A)
- MOLNÁR AÁ, NÁDASY GL, PATAY K, KISS RG, MONOS E.
 Biomechanical properties of human embryonic vessels.
Acta Physiol. Hung. 94: 375, 2007. (A) IF: 0.453
- MONOS E.
 Venous System.
 In Physiology and Maintenance, [Eds. Mustafa Atalay, and Osmo Otto Päiviö Hänninen], in Encyclopedia of Life Support Systems (EOLSS), Developed under the Auspices of the UNESCO, Eolss Publishers, Oxford ,UK, [<http://www.eolss.net>] [Retrieved January 19, 2007] (Int)
- MONOS E.
 A motiváció, az érzellem és a magatartás pszichofiziológiai alapjai. Második, átdolgozott kiadás. (ISBN 978 963 9656 71 0)
Semmelweis Kiadó, Budapest, 2007. (B)
- MONOS E.
 History of the International Society for Pathophysiology.
<http://dx.doi.org/10.1016/j.pathophys.2007.06.001>
Pathophysiology 14: 123-126, 2007.
- MONOS E.

Short history of the International Society for Pathophysiology.
www.ispathophysiology.org/history.html, 2007. (Int)

MONOS E, MOLNÁR L, SZOLLÁR L.

In memory of professor Sámuel Rácz - who wrote the first Hungarian textbook in physiology – on the 200th anniversary of his death.

FEPS Newsletter 2007, #16 (<http://www.feps.org>)

Acta Physiol. Hung. 94: 323-325, 2007.

(A) IF: 0.453

MONOS E, MOLNÁR L, SZOLLÁR L.

A kísérletes élettan úttörője. Kétszáz éve hunyt el Rácz Sámuel, az első magyar tankönyvíró.

Semmelweis Egyetem 8/6: 8, 2007.

MONOS E, MOLNÁR L, SZOLLÁR L.

Megemlékezés az első magyar tankönyvíró élettanprofesszorról halálának 200. évfordulóján.

Orvosi Hetilap 148/52: 2491, 2007.

MONOS E, MOLNÁR L, SZOLLÁR L, HÄNNINEN O.

Kansan kieli lääketieteessä: Ensimmäisten unkarikielisten lääketieteen oppikirjojen kirjoittajan Samuel Racz'in kuolemasta 200 vuotta. (Two hundred years from the death of Samuel Rácz, developer of the Hungarian medical language.)

Hippocrates 24: 41-50, 2007. (In Finnish with English abstract).

MONOS E, RAFFAI G, DÖRNYEI G, NÁDASY G, FEHÉR E.

Structural and functional responses of extremity veins to long-term gravitational loading or unloading – lessons from animal systems.

Acta Astronautica 60: 406-414, 2007,

doi:10.1016/j.actaastro.2006.09.027.

IF: 0.240

NÁDASY GL, HETTHESSY JR, MONOS E.

Remodeling of the saphenous vein wall and tributary vessel system after partial clipping.

FEPS, Bratislava, 11-14 Sept, 2007.

NADASY GL, MONOS E.

Biomechanical principles of vascular wall design in health and in disease: some mathematics of angiogenesis.

Acta Physiol. Hung. 94: 377-379, 2007.

(A) IF: 0.453

NÁDASY GY, VÁRBÍRÓ SZ, SZEKERES M, KOCSIS A, SZÉKÁCS B, MONOS E, KOLLAI M.

Rezisztencia artéria falának eutrofikus átépülése: a simaizom kontrakció morfológiai stabilizációja?

Érbetegségek, suppl. 1: 8, 2007

RAFFAI G, CSEKŐ CS, NÁDASY GY, MONOS E.

Role of the vestibular apparatus in cardiovascular adaptation to experimental orthostasis and antiorthostasis – short- and intermediate-term responses.
 In: Book of Abstract - 16th IAA Humans in Space Symposium,
 Beijing, 2007. (A)

RAFFAI G, DÉZSI L, MÉSZÁROS M, KOLLAI M, MONOS E.
 Both sustained orthostasis and inverse-orthostasis may elicit hypertension in conscious rat.
Acta Astronautica 60: 415-419, 2007.
 doi:10.1016/j.actaastro.2006.09.024. IF: 0.240

SERES-STURM L (SE ÁOK 4) (Témavezetők: MONOS E., RAFFAI G).
 Rupturált és nem rupturált intracranialis aneurizmák és egészséges kontroll erek klinikopatológiai tulajdonságai.
Orvosi és Gyógyszerészeti Szemle (Marosvásárhely),
 53/suppl. 1: 5, 2007. (A)

2008.

GŐSI G, RAFFAI G, FEHÉR E, ACSÁDY GY, MONOS E.
 Electron-dense vesicles in the endothelium of human extremity veins.
FASEB J. 22: 964.38, 2008. (A) IF: 7.049

KOVAC Z, GREENWALD S, HÄNNINEN O, MONOS E.
 The Beijing Declaration on Pathophysiology: Towards Meaningful Teaching of Medicine in the Postgenomic Era.
Medical Education 2008. Accepted for Publication.

[†]LÓRÁNT M. (Tutor: MONOS E.)
 Changes of intramural innervation density and network properties of rat extremity veins in response to long-term orthostatic gravitational effects.
 PhD Thesis, Semmelweis University, Budapest, 2008.
 (Sikeres házivédése megtörtént) (B)

MOLNÁR AÁ, APOR A, KRISTÓF V, NÁDASY GL, SZEBERIN Z, MONOS E, ACSÁDY G, PRÉDA I, BÉRCZI V.
 Generalized alterations in the biomechanical properties of large veins in non-thrombotic, thrombophylic young patients.
Int. Angiol. 27: 247-252, 2008. IF: 1.418

MOLNÁR AÁ, APOR A, KRISTÓF V, MONOS E, BÉRCZI V, NÁDASY GyL.
 Újabb eredmények a vénás rendszer biomechanikájának kutatásában.
Orvosi Hetilap 149/38: 1801-1809, 2008.

MONOS E.
 Mechanism of adaptation to long-term orthostatic and antiorthostatic gravitational loading in extremity veins and in the systemic circulation.
 In: "Academic Excellence in Biomedical Research at Semmelweis University, Hungary" (Ed: T. Tulassay), Semmelweis Publishing, 2008, Budapest. Pp. 34-35.

(B)

MONOS E.

International Society for Pathophysiology – Its short history.
Acta Physiol. Hung. 95: 119-125, 2008.

IF: 0.453

MONOS E, MOLNÁR L, SZOLLÁR L.

Rácz Sámuel, az első magyar tankönyv író élettan professzor.
In: "Biofizika 32" (szerk: Vincze J), NDP Kiadó,
Budapest, 2008. Pp. 318-325.

(B)

NÁDASY GYÖRGY L, HETTHÉSSY JR, MONOS E.

Vénás kollaterálisok fejlődésének törvényeszerűségei krónikus saphena-véna szűkülezéses patkányokban.
Érbetegségek 15: 19-20, 2008.

(A)

OSMAN F, NÁDASY GL, MONOS E, NYÍRÁDY P, ROMICS I.

A novel videomicroscopic technique for studying rat ureteral peristalsis in vivo.
World J. Urol. 2008.
DOI 10.1007/s00345-008-0340-6

IF: 2.217

OSMAN F, NÁDASY GL, MONOS E, NYÍRÁDY P, ROMICS I.

Measuring and analysing ureteral peristalsis using a novel technique.
J Physiol Pharmacol 59 (Suppl): 323, 2008.

(A) IF: 2.631

OSMAN F, NÁDASY G, MONOS E, NYÍRÁDY P, ROMICS I.

A novel videomicroscopic method for studying ureteral peristalsis in vivo in anesthetized rats.
Br J Surg 95:(S6):89, 2008.

(A) IF: 4.921

RAFFAI G, CSEKŐ CS, NÁDASY GY, MONOS E.

Intermediate- and long-term cardiovascular responses to gravitational stress – role of the vestibular system.
FASEB J. 22: 737.19, 2008.

(A) IF: 7.049

RAFFAI G, LÓDI C, ILLYÉS G, NÁDASY G, MONOS E.

Increased diameter and enhanced myogenic response of saphenous vein induced by two week experimental orthostasis are reversible.
Physiol. Res. 57: 175-183, 2008.

IF: 1.653

SAX B, NADASY GY, TURI K, MONOS E, KEKESI V.

Effects of ghrelin on isolated coronary arterioles.
J Vasc Res 45 (Suppl 2): P113, 2008.

(A) IF: 2.792

2009.

DIAMANT PK, SZALAI E, GARA E, KÖREI A, VÁRBÍRÓ S, SZÉKÁCS B, MONOS E, NÁDASY GL.

Intramurális koronária rezisztencia érhálózat átépülése kísérletes hipertenzióban.

Érbetegségek 16/2: 60, 2009.

(A)

JOBBÁGY Á, BENYÓ Z, MONOS E.

Egészségügyi mérnöki mesterképzés
Orvosi Hetilap, 2009. (Submitted)

KÉRÉSZ SG, HETHÉSSY JR, MONOS E, NÁDASY GL.

A vena saphena krónikus kísérletes szűkítése: a varicositas betegség egy lehetséges modellje.

Érbetegségek 16/2: 63, 2009.

(A)

MÁTRAI M, SZÉKÁCS B, MERICLI M, NÁDASY GL, SZEKERES M, BÁNHIDY F,
MONOS E, VÁRBÍRÓ S.

Biomechanics and vasoreactivity of female intramural coronaries in angiotensin II induced hypertension.

Acta Physiol. Hung. 2009. Submitted.

IF: 0.453

MONOS E.

Dr. Kovách Arisztid professzor (1920-1996) - A Tanár úr.

In: "Emlékezünk Orvosainkra 3." (szerk: Vincze J), NDP Kiadó, Budapest, 2009. Pp.
193-207. (B)

MONOS E.

Emlékezés, küldetés – 1956. október 23.

Semmelweis Egyetem 10/11: 18-20, 2009.

A Forradalom – emlékezés, küldetés.

Szinapszis 6/2-3: 10-12, 2009.

NÁDASY GL, MOLNÁR G, KÉKESI V, NEMES A, MONOS E.

Humán saphena vena érszegmentumok geometriai, elsztikus és kontraktilis tulajdonságai megtartottak complex szövettenyésztő oldatban való tároláskor.

Érbetegségek 16/2: 54, 2009.

(A)

OSMAN F, ROMICS I, NYÍRÁDY P, MONOS E, NÁDASY GL.

Ureteral motility.

Acta Physiol. Hung. 96: 407-426, 2009. Invited review.

IF: 0.453

RAFFAI G, CSEKŐ CS, KOCSIS L, DÉZSI L, MONOS E.

Does long-term experimental antiorthostasis lead to cardiovascular deconditioning in the rat?

Physiol. Res. 58: 57-67, 2009. (PMID: 18198992, 2008.)

IF: 1.806

2010.

MOLNÁR GF, NEMES A, KÉKESI V, MONOS E, NÁDASY GL.

Maintained geometry, elasticity and contractility of human saphenous vein segments stored in a complex tissue culture medium.

Eur. J. Vasc. Endovasc. Surg. 2009. Accepted.

IF: 3.007

MONOS E.

Physiology of the Venous System. (Second edition)
Semmelweis Publisher, Budapest, 2010. Pp: 1-83.
(ISBN 978 963 9879 65 2)

(B)

NÁDASY GY, VÁRBÍRÓ SZ, SZEKERES M, KOCSIS A, SZÉKÁCS B, MONOS E,
KOLLAI M.

Biomechanics of resistance artery wall remodeling in angiotensin-II hypertension and
after its recovery.

Kidney and Blood Pressure Research. 2009. Accepted. IF: 1.029

RAFFAI G, CSEKŐ CS, NÁDASY GY, MONOS E.

Vestibular control of intermediate- and long-term cardiovascular responses to
experimental orthostasis.

Physiol. Res. 2009. Accepted (www.biomed.cas.cz/physiolres).

(59/1: 2010) IF: 1.806