

Prof. ZEYNEP DİCLE BALKANCI

Personal Information

Office Phone: [+90 312 305 2173](tel:+903123052173)

Office Phone: [+90 312 305 1567](tel:+903123051567)

Fax Phone: [+90 312 305 2186](tel:+903123052186)

Email: zbalkanc@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/zbalkanc>

Address: Hacettepe Üniversitesi Tip Fakültesi Fizyoloji Anabilim Dalı Sıhhiye 06100 Ankara

Education Information

Expertise In Medicine, Hacettepe University, Tip Fakültesi, Fizyoloji, Turkey 1980 - 1986

Undergraduate, Hacettepe University, Tip Fakültesi, Turkey 1973 - 1980

Foreign Languages

English, B1 Intermediate

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology

Academic and Administrative Experience

Hacettepe Üniversitesi, Tip Fakültesi, Temel Tip Bilimleri Bölümü, 2011 - 2017

Hacettepe Üniversitesi, Tip Fakültesi, Temel Tip Bilimleri Bölümü, 2006 - 2007

Advising Theses

BALKANCI Z. D., Toluenin in vivo ve in vitro olarak eritrosit zar stabilitesine etkisi., Doctorate, İ.KARABULUT(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Clinical features and subjective/physiological responses to emotional stimuli in the presence of emotion dysregulation in attention-deficit hyperactivity disorder**

Taskiran C., KARAİSMALOĞLU S., Esen H. T. C., TÜZÜN Z., ERDEM A., BALKANCI Z. D., Dolgun A. B., Kultur S. E. C. JOURNAL OF CLINICAL AND EXPERIMENTAL NEUROPSYCHOLOGY, vol.40, no.4, pp.389-404, 2018 (SCI-Expanded)

- II. **Does hypercholesterolemia affect the relaxation of the detrusor smooth muscle in rats? In vitro and in vivo studies**

Bayrak S., BALKANCI Z. D., PEHLİVANOĞLU B., KARABULUT İ., KARAİSMALOĞLU S., ERDEM A.

- NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.388, no.7, pp.761-771, 2015 (SCI-Expanded)
- III. Evaluation of apoptotic cell death following transient maternal hypotension in fetal rat brain: temporal pattern within the first 24 h after procedure**
 BAYRAK S., PEHLİVANOĞLU B., SEVGILI A. M., BALKANCI Z. D., OZYUREK H., ATILLA P., Cakar A. N., ANLAR F. B.
 TURKISH JOURNAL OF MEDICAL SCIENCES, vol.44, no.6, pp.928-934, 2014 (SCI-Expanded)
- IV. Effect of Transient Maternal Hypotension on Apoptotic Cell Death in Foetal Rat Brain**
 OZYUREK H., BAYRAK S., PEHLİVANOĞLU B., ATILLA P., BALKANCI Z. D., CAKAR N., ANLAR B.
 BALKAN MEDICAL JOURNAL, vol.31, no.1, pp.88-94, 2014 (SCI-Expanded)
- V. The effect of hypercholesterolemia on the contractions of detrusor strips in response to neural stimulation in rats**
 KARAİSMALOĞLU S., BALKANCI Z. D., PEHLİVANOĞLU B., BAYRAK S., KARABULUT İ., ERDEM A.
 TURKISH JOURNAL OF MEDICAL SCIENCES, vol.43, no.4, pp.645-651, 2013 (SCI-Expanded)
- VI. The effect of hypercholesterolemia on carbachol-induced contractions of the detrusor smooth muscle in rats: increased role of L-type Ca²⁺ channels**
 BALKANCI Z. D., PEHLİVANOĞLU B., BAYRAK S., KARABULUT İ., KARAİSMALOĞLU S., ERDEM A.
 NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.385, no.11, pp.1141-1148, 2012 (SCI-Expanded)
- VII. Effect of Gender and Menstrual Cycle on Immune System Response to Acute Mental Stress: Apoptosis as a Mediator**
 PEHLİVANOĞLU B., BAYRAK S., GUREL E. I., BALKANCI Z. D.
 NEUROIMMUNOMODULATION, vol.19, no.1, pp.25-32, 2012 (SCI-Expanded)
- VIII. Microscopic Hematuria as a Marker of Blunt Abdominal Trauma in Rats: Description of an Experimental Model**
 Karamercan M. A., Sevgili A. M., Karamercan A., ATILLA P., BALKANCI Z. D., Karamercan G., Aytac A. B.
 JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE, vol.71, no.3, pp.687-693, 2011 (SCI-Expanded)
- IX. Effect of toluene on erythrocyte membrane stability under in vivo and in vitro conditions with assessment of oxidant/antioxidant status**
 KARABULUT İ., BALKANCI Z. D., PEHLİVANOĞLU B., ERDEM A., Fadillioglu E.
 TOXICOLOGY AND INDUSTRIAL HEALTH, vol.25, no.8, pp.545-550, 2009 (SCI-Expanded)
- X. The Impact of Warmed Intravenous Contrast Material on the Bolus Geometry of Coronary CT Angiography Applications**
 HAZIROLAN T., Turkbey B., AKPINAR E., CANYİĞİT M., KARÇAALTINCABA M., PEYNİRCİOĞLU B., BALKANCI Z. D., AKATA D., BALKANCI F.
 KOREAN JOURNAL OF RADIOLOGY, vol.10, no.2, pp.150-155, 2009 (SCI-Expanded)
- XI. The effects of transient systemic hypotension on renal oxidative status, morphology and plasma nitric oxide levels in pregnant rats**
 BAYRAK S., PEHLİVANOĞLU B., BALKANCI Z. D., OZYUREK H., AKSOY Y., ATILLA P., Cakar A. N.
 JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.22, no.6, pp.528-536, 2009 (SCI-Expanded)
- XII. An overview of undergraduate physiology education in Turkish medical faculties**
 BALKANCI Z. D., PEHLİVANOĞLU B.
 ADVANCES IN PHYSIOLOGY EDUCATION, vol.32, no.4, pp.322-328, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. Obstrüktif uyku apne sendromu ve endotel disfonksiyonu arasındaki fizyopatolojik ilişkinin derlemesi**
 Barış V. Ö., TUNCER M., BALKANCI Z. D.
 MN Kardiyoloji, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Effect of metformin on the myometrium
ÖZDEMİR P., TUNCER M., PEHLİVANOĞLU B., Korkmaz H., BALKANCI Z. D.
Turkish Society of Physiological Sciences 42nd National Physiology Congress, Turkey, 5 - 08 September 2016
- II. Metforminin Myometriyuma Etkisi
ÖZDEMİR P., TUNCER M., PEHLİVANOĞLU B., Korkmaz H., BALKANCI Z. D.
Türk Fizyolojik Bilimler Derneği 42. Ulusal Kongresi, Düzce, Turkey, 05 September 2016 - 08 September 2106, vol.218, pp.8-25
- III. Does hypercholesterolemia affect the contractions of the smooth muscles of the urinary bladder?
BALKANCI Z. D., PEHLİVANOĞLU B., BAYRAK S., ERDEM A., KARABULUT İ., KARAİSMAİLOĞLU S., Öner G.
8th Congress of FEPS (Federation of European Physiological Societies), 3 - 07 September 2011
- IV. Hipercolesterolemik sığan mesanesinde atropine dirençli kasılma cevabının incelenmesi
KARAİSMAİLOĞLU S., BALKANCI Z. D., PEHLİVANOĞLU B., BAYRAK S., KARABULUT İ., ERDEM A.
35. Ulusal Fizyoloji Kongresi, Turkey, 30 September - 03 October 2009
- V. Simvastatin tedavisi alan normo ve hipercolesterolemik sığanlarda detrusor kasının in vitro kasılma ve gevşeme işlevleri
PEHLİVANOĞLU B., BALKANCI Z. D., BAYRAK S., ERDEM A., KARABULUT İ., KARAİSMAİLOĞLU S.
34. Ulusal Fizyoloji Kongresi, Turkey, 6 - 10 October 2008
- VI. Effect of nifedipine and Y-27632 on non-M2 receptor mediated in vitro contractions of urinary bladder in normocholesterolemic and hypercholesterolemic rats
BALKANCI Z. D., PEHLİVANOĞLU B., BAYRAK S., ERDEM A., KARABULUT İ., KARAİSMAİLOĞLU S., Öner G.
2nd International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signaling and TRP Channels, 25 - 28 August 2008
- VII. Does hypercholesterolemia alter relaxation response to isoproterenol in rat detrusor strips?
BALKANCI Z. D., BAYRAK S., PEHLİVANOĞLU B., ERDEM A., KARABULUT İ., KARAİSMAİLOĞLU S., Öner G.
2nd International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signaling and TRP Channels, 25 - 28 June 2008
- VIII. Contractile function of the urinary bladder in hypercholesterolemic rats: in vitro carbachol induced contraction and cystometry
BALKANCI Z. D., Öner G., PEHLİVANOĞLU B., ERDEM A., BAYRAK S., KARABULUT İ., KARAİSMAİLOĞLU S.
2nd International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signaling and TRP Channels, 25 - 28 June 2008

Supported Projects

TUNCER M., PEHLİVANOĞLU B., ÖZDEMİR P., BALKANCI Z. D., KORKMAZ H., Project Supported by Higher Education Institutions, Metforminin Miyometriyuma Etkisinin Moleküler Mekanizması, 2015 - 2017

BALKANCI Z. D., PEHLİVANOĞLU B., Project Supported by Higher Education Institutions, Fizyolojik Parametrelerin İncelenmesi İçin Kullanılan Bilgisayarlı Veri Toplama ve Analiz Sistemlerinin Duyarlı ve Güvenilir Birimlerle Geliştirilmesi, 2015 - 2016

PEHLİVANOĞLU B., KORKMAZ H., ÖNAL D., ÖNAL G., KORKMAZ A. G. D. H., Project Supported by Higher Education Institutions, Kronik Stres Uygulanan Sığanlarda İntranazal Oksitosinin Santral Etkisi ve Vücut Ağırlığı ile Değişimi, 2015 - 2016

Metrics

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