

## Prof. ZEYNEP DİCLE BALKANCI

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### Education Information

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

Undergraduate, Hacettepe University, Tıp 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, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2011 - 2017

Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp 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., KARAİSMAİLOĞLU 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., KARAİSMAİLOĞLU 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., SEVGİLİ 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**  
KARAIŞMAİLOĞLU 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 Ca<sup>2+</sup> channels**  
BALKANCI Z. D., PEHLİVANOĞLU B., BAYRAK S., KARABULUT İ., KARAIŞMAİLOĞLU 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., CANYIĞIT 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. **Hiperkolesterolemik sıçan 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 hiperkolesterolemik sıçanlarda 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 Güçlendirilmesi, 2015 - 2016

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

## Metrics

Publication: 21

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