

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

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

Education Information

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

Under Graduate, Hacettepe Üniversitesi, Tıp Fakültesi, Turkey 1973 - 1980

Foreign Languages

English, B1 Intermediate

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Human Physiology

Professional Experience

Head of Department, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2011 - 2017

Head of Department, 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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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, is.4, pp.389-404, 2018 (Journal Indexed in SCI)
- 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, is.7, pp.761-771, 2015 (Journal Indexed in

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- 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., ATİLLA P., Cakar A. N. , ANLAR F. B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.44, is.6, pp.928-934, 2014 (Journal Indexed in SCI)
- IV. **Effect of Transient Maternal Hypotension on Apoptotic Cell Death in Foetal Rat Brain**
OZYUREK H., BAYRAK S., PEHLİVANOĞLU B., ATİLLA P., BALKANCI Z. D. , CAKAR N., ANLAR B.
BALKAN MEDICAL JOURNAL, vol.31, is.1, pp.88-94, 2014 (Journal Indexed in SCI)
- 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, is.4, pp.645-651, 2013 (Journal Indexed in SCI)
- 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., KARAIŞMAİLOĞLU S., ERDEM A.
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.385, is.11, pp.1141-1148, 2012 (Journal Indexed in SCI)
- 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, is.1, pp.25-32, 2012 (Journal Indexed in SCI)
- 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., ATİLLA P., BALKANCI Z. D. , Karamercan G., Aytac A. B.
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- 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, is.8, pp.545-550, 2009 (Journal Indexed in SCI)
- 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.
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- 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., ATİLLA P., Cakar A. N.
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.22, is.6, pp.528-536, 2009 (Journal Indexed in SCI)
- XII. **An overview of undergraduate physiology education in Turkish medical faculties**
BALKANCI Z. D. , PEHLİVANOĞLU B.
ADVANCES IN PHYSIOLOGY EDUCATION, vol.32, is.4, pp.322-328, 2008 (Journal Indexed in SCI)

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 (Other Refereed National Journals)

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

Citations

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