

## Prof. SÜREYYA BARUN

### Personal Information

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### International Researcher IDs

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### Education Information

Undergraduate, Ankara University, Tıp Fakültesi, Tıp Pr., Turkey 1983 - 1989

### Foreign Languages

English, C1 Advanced

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2011 - Continues

Associate Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2006 - 2011

Lecturer, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2002 - 2006

Expert, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1989 - 1994

### Advising Theses

Barun S., The Relationship Between Serum S100b And Cd163 Levels With Cognitive Functions And Possible Changes Due To Ssrı Therapy In Major Depressive Disorders, Doctorate, A.SİNAN(Student), 2020

BARUN S., ÖZER A., An Analysis of Cognitive Functions and Soluble Fractalkine, GFAP and CD163 Levels of the Diabetic and Non-Diabetic Patients after Open Heart Surgery, Expertise In Medicine, A.ÖZBAY(Student), 2019

BARUN S., The relationship between serum S100B levels and microglial activation in rat hippocampus after lithium-pilocarpine-induced SE and the affect of liraglutide, a GLP-1 analogue, on these changes, Expertise In Medicine, M.KIZILTAŞ(Student), 2015

BARUN S., The effects of the ketamine and dantrolene on the hippocampal apoptosis and spatial learning in rats exposed to repeated electroconvulsive seizures as a model of epilepsy, Doctorate, İ.DEVRİM(Student), 2014

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Role of natural products and intestinal flora on type 2 diabetes mellitus treatment**  
Aydin O. C., AYDIN S., BARUN S.  
WORLD JOURNAL OF CLINICAL CASES, vol.11, no.1, pp.65-72, 2023 (SCI-Expanded)
- II. **Do Anxiety and Depression Levels Affect the Inflammation Response in Patients Hospitalized for COVID-19**  
Kahve A., Kaya H., OKUYUCU M., Goka E., BARUN S., Hacimusalar Y.  
PSYCHIATRY INVESTIGATION, vol.18, no.6, pp.505-512, 2021 (SCI-Expanded)
- III. **Investigation of the Possible Protective Effects of Ketamine and Dantrolene on the Hippocampal Apoptosis and Spatial Learning in Rats Exposed to Repeated Electroconvulsive Seizures as a Model of Status Epilepticus**  
Gursoy I. D., BARUN S., Erdem R., KESKİN U., Kiziltas M., ATILLA P., Muftuoglu S., YÜCE D., Narin F., Ertunc M., et al.  
TURKISH NEUROSURGERY, vol.30, no.6, pp.871-884, 2020 (SCI-Expanded)
- IV. **The Effects of Minocycline on the Hippocampus in Lithium- Pilocarpine Induced Status Epilepticus in Rat: Relations with Microglial/Astrocytic Activation and Serum S100B Level.**  
Bulduk E. B., KURT G., BARUN S., Aydemir O., Kiziltas M., Oktem M., Turhan T., ATILLA P., Muftuoglu S.  
Turkish neurosurgery, vol.29, no.1, pp.95-105, 2019 (SCI-Expanded)
- V. **The Effects of Melatonin on Intestinal Adaptation in a Rat Model of Short Bowel Syndrome**  
Guclu M., Demirogullari B., BARUN S., Ozen I. O., Karakus S. C., POYRAZ A., SERDAR M. A., KARABULUT R., TÜRKYILMAZ Z., SÖNMEZ K., et al.  
EUROPEAN JOURNAL OF PEDIATRIC SURGERY, vol.24, no.2, pp.150-157, 2014 (SCI-Expanded)
- VI. **The use of a prostacyclin analog, iloprost, as an adjunct to uterus preservation with histidine-tryptophan-ketoglutarate solution.**  
Barun S., Ozat M., Gungor T., Demirogullari B., Sokmensuer L. K., Aksakal F. N., Ercin U., Gulbahai O., Muftuoglu S.  
Transplantation proceedings, vol.43, no.5, pp.1998-2003, 2011 (SCI-Expanded)
- VII. **Effect of a Chloride Channel Inhibitor, 5-Nitro-2-(3-Phenylpropylamino)-Benzoate, on Endothelin-1 Induced Vasoconstriction in Rabbit Basilar Artery**  
Dogulu F., Barun S., Emmez H., Elmas Ç., Onal B., Belen H. B., Erdogan D., Ilgit E. T., Saridglu Y., Kurt G., et al.  
TURKISH NEUROSURGERY, vol.19, no.4, pp.380-386, 2009 (SCI-Expanded)
- VIII. **The effects of iloprost, a prostacyclin analogue, in experimental ischaemia/reperfusion injury in rat ovaries**  
Ozat M., Gungor T., BARUN S., Demirogullari B., KARAKOÇ SÖKMENSÜER L., GÜLBAHAR Ö., Gursoy D., Muftuoglu S.  
EXPERIMENTAL AND TOXICOLOGIC PATHOLOGY, vol.61, no.5, pp.519-527, 2009 (SCI-Expanded)
- IX. **Nicotine potentiates the electrical field stimulation-evoked contraction of non-pregnant rabbit myometrium**  
Nas T., Barun S., Ozturk G. S., Vural I. M., Ercan Z. S., Sarioglu Y.  
TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE, vol.211, no.2, pp.187-193, 2007 (SCI-Expanded)
- X. **Effects of varicocele on electrical field stimulation-induced biphasic twitch responses in the ipsilateral and contralateral rat vasa deferentia.**  
Ozen I. O., Moralioglu S., Vural I. M., Ozturk G. S., Ozkan M. H., Demirtola A., Ercan Z. S., Barun S., Sarioglu Y.  
European surgical research. Europäische chirurgische Forschung. Recherches chirurgicales europeennes, vol.39, no.5, pp.269-74, 2007 (SCI-Expanded)
- XI. **Effects of mexiletine on electrical field stimulation-induced contractile responses in the ipsilateral and contralateral vasa deferentia after unilateral testicular torsion/detorsion**  
Ozen I. O., Vural I. M., Moralioglu S., Barun S., Ercan Z. S., Sarioglu Y.  
EUROPEAN SURGICAL RESEARCH, vol.38, no.4, pp.423-429, 2006 (SCI-Expanded)
- XII. **Effects of amifostine on glycerol-pretreated rabbit kidneys**  
Barun S., Ertoý D., Dilekoz E., Muftuoglu S., Erten Y., Sucak G., Bali M., Tekeli N., Sarioglu Y., Ercan Z.  
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, vol.97, no.3, pp.168-173, 2005 (SCI-Expanded)
- XIII. **Effects of cannabinoid receptor activation on rabbit bisected vas deferens strips**  
Barun S., Vural I., Dilekoz E., Ercan Z., Sarioglu Y.  
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.32, no.9, pp.702-707, 2005 (SCI-

Expanded)

- XIV. **Effects of platelet-activating factor on nitrergic transmission in rabbit corpus cavernosum**  
Ozger S., Barun S., Vural I., Ercan Z., Sarioglu Y.  
INTERNATIONAL JOURNAL OF UROLOGY, vol.12, no.6, pp.570-573, 2005 (SCI-Expanded)
- XV. **The effects of melatonin on electrical field stimulation-evoked biphasic twitch responses in the ipsilateral and contralateral rat vasa deferentia after unilateral testicular torsion/detorsion**  
Barun S., Ekingen G., Mert Vural I., Turkyilmaz Z., Basaklar C., Kale N., Ercan Z., Sarioglu Y.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.371, no.5, pp.351-358, 2005 (SCI-Expanded)
- XVI. **Measles virus RNA in tonsils of asymptomatic children**  
Anlar B., Ayhan A., Hotta H., Itoh M., Engin D., Barun S., Koseoglu O.  
JOURNAL OF PAEDIATRICS AND CHILD HEALTH, vol.38, no.4, pp.424-425, 2002 (SCI-Expanded)
- XVII. **The pharmacokinetics and effects of diltiazem in rabbits**  
Oruc S., Orhan D., Orhan M., Irkec M., Basci N., Barun S., Bozkurt A.  
EUROPEAN JOURNAL OF OPHTHALMOLOGY, vol.10, no.1, pp.46-50, 2000 (SCI-Expanded)
- XVIII. **GLYCINE IS REQUIRED FOR NMDA RECEPTOR ACTIVATION - ELECTROPHYSIOLOGICAL EVIDENCE FROM INTACT RAT HIPPOCAMPUS**  
DALKARA T., ERDEMLI G., BARUN S., ONUR R.  
BRAIN RESEARCH, vol.576, no.2, pp.197-202, 1992 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Role of soluble fractalkine, GFAP and CD163 in cognitive functions after open heart surgery in diabetic and non-diabetic patients**  
Özbay A., Barun S., Kahve A., Özer A., Gülbahar Ö., Dağlı H., Özkan S., Erer D.  
Acibadem Üniversitesi Sağlık Bilimleri Dergisi, vol.13, no.4, pp.565-573, 2022 (Peer-Reviewed Journal)
- II. **Effects of Non-Pharmacological Interventions on Serum Levels of S100B, NT3 and BDNF in Children with Autism Spectrum Disorder**  
Tunca H., İŞERİ E., BARUN S., Kahve A., Aydemir O., TAŞ TORUN Y., Cayci B., Yuksel S., Eren S. E.  
GAZI MEDICAL JOURNAL, vol.33, no.3, pp.253-258, 2022 (ESCI)
- III. **Effects of isoflurane, ketamine and dantrolene on apoptosis in the rat hippocampus**  
Kartal S., Günaydın D. B., Barun S., Elmas Ç.  
Turkish Journal of Clinics and Laboratory, vol.4, pp.255-261, 2020 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **PSİKOZ VE MANİNİN İLAÇLA TEDAVİSİ**  
BARUN S.  
in: GOODMAN VE GİLMAN'xxİN FARMAKOLOJİ VE TEDAVİ EL KİTABI, Ş. REMZİ ERDEM, Editor, GÜNEŞ TIP KİTABEVLERİ, Ankara, pp.251-266, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **YATARAK TEDAVİ GÖREN BİPOLAR BOZUKLUK TANILI HASTALARDA ÇOKLU PSİKOTROP KULLANIMININ DEĞERLENDİRİLMESİ**  
CİVAN KAHVE A., Şenel M., BARUN S., GÖKA E.  
9. Psikiyatri Zirvesi 16. Anksiyete Kongresi, Turkey, 07 March 2024
- II. **Assessment of Dabigatran, Rivaroxaban and Apixaban With Respect to Drug-Drug Interaction in a University Hospital**

Türkeş S., Karakuş O., Yumus Basak D., Barun S., Uluoğlu C.

18. World Congress of Basic and Clinical Pharmacology, Kyoto International Conference Center Kyoto – Japonya, Tokyo, Japan, 1 - 06 July 2018, vol.31213

- III. **Immunohistochemical study of Osteopontin and Bcl-2 gene expression in kidney tissue in histidine-tryptophan-ketoglutarate (HTK) solution prepared with N-acetyl-L-carnitine**  
ÖZOĞUL C., BAŞER DEMİRCAN İ., BARUN S., KAVUTÇU M., İLHAN M. N., AKYOL S. N., HIRFANOĞLU İ. M., BİLGE M., SARIBAŞ G. S., KAÇAMAK P., et al.  
15th International Congress of Histochemistry and Cytochemistry, Antalya, Turkey, 18 - 21 May 2017
- IV. **The Effects of Minocycline on Hippocampus in Lithium-Pilocarpine Induced Status Epilepticus In Rat, Relations with microglia/astrocytic activation and serum S100B level**  
BULDUK E. B., KURT G., BARUN S., HANALIOĞLU Ş., NARİN F., AYDEMİR Ö., KIZILTAŞ M., ÖKTEM M., TURAN T., ATILLA P., et al.  
ICHS-INTERNATIONAL CONGRESS OF HISTOCHEMISTRY AND CYTOCHEMISTRY 2017, 18 - 21 May 2017, pp.434-435
- V. **THE RELATIONSHIP BETWEEN SERUM S100B LEVELS AND MICROGLIAL ACTIVATION IN RAT HIPPOCAMPUS AFTER LITHIUM PILOCARPINE INDUCED STATUS EPILEPTICUS AND THE EFFECT OF LIRAGLUTIDE: A GLP-1 ANALOGUE ON THESE CHANGES**  
KIZILTAŞ M., BARUN S., YETKİN İ., HANALIOĞLU Ş., NARİN F., BİLGİNER B., AYDEMİR Ö., ATILLA P., MÜFTÜOĞLU S. F., TURAN T., et al.  
ICHC2017-INTERNATIONAL CONGRESS OF HISTOCHEMISTRY AND CYTOCHEMISTRY, 18 - 21 May 2017, pp.431-432
- VI. **Histidin Triptofan Ketoglutarat HTK Çözeltisine Eklenen N Asetil L Karnitin in Donör Uterustaki Koruyucu Etkilerinin Araştırılması**  
BAŞER İ., ÖZOĞUL C., AKYOL S. N., İLHAN M. N., KAVUTÇU M., BARUN S., BİLGE M., COŞKUN N., SARIBAŞ G. S., HIRFANOĞLU İ. M.  
21. Ulusal Elektron Mikroskopi Kongresi, Turkey, 28 - 31 May 2013

## Supported Projects

BARUN S., Project Supported by Higher Education Institutions, Ketamin ve dantrolen'in bir epilepsi modeli olarak tekrarlayan elektrokonvulsif nöbet uygulanan sıçanlarda uzaysal öğrenme ve hipokampal apoptozis üzerine etkileri, 2010 - 2013

BARUN S., Project Supported by Higher Education Institutions, Tavşan Vas Deferens inde Elektriksel Alan Stimülasyonu ile Oluşturulan Pürinerjik ve Noradrenerjik Kontraksiyonlar Üzerine Kannabinoidlerin Etkileri, 2004 - 2005

## Metrics

Publication: 32

Citation (WoS): 117

Citation (Scopus): 122

H-Index (WoS): 6

H-Index (Scopus): 6

## Non Academic Experience

Gazi Üniversitesi Tıp Fakültesi Farmakoloji Anabilim Dalı

Gazi Üniversitesi Tıp Fakültesi Farmakoloji Anabilim Dalı

Refik Saydam Hıfzıssıhha Merkez Başkanlığı İlaç Kontrol ve Kozmetik Araştırmalar Müdürlüğü, Ankara

Duke Üniversitesi Tıp Merkezi, Nöroloji Bölümü, Epilepsi Araştırma Laboratuvarları  
Refik Saydam Hıfzıssıhha Merkez Başkanlığı İlaç Kontrol ve Kozmetik Araştırmalar Müdürlüğü, Ankara  
Hacettepe Üniversitesi Tıp Fakültesi Farmakoloji Anabilim Dalı