

Prof. BERRAK YEGEN

Personal Information

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Biography

Berrak Çağlayan Yeğen has graduated in 1977 from İzmir American Colegiate Institute and in 1983 from Ege University Medical Faculty in İzmir, and after her obligatory service in Eskişehir, she has started training in Physiology at Marmara University Medical Faculty, and since 1992 she is working as the Professor of Physiology at the same department. Her major interests in research are gastrointestinal motility, neural and hormonal mechanisms controlling gastric emptying and gastric acid secretion and the pathophysiology of inflammatory processes. She has received Eczacıbaşıbaşı Scientific Research Award, Ibrahim Ethem Ulagay Toxicology Award, Istanbul Medical Doctors' Chamber Medical Science Award and Sedat Simavi Health Sciences Award. She is the member of Association for Evaluation and Accreditation of Medical Education Programs.

Research Areas

Health Sciences

Academic Titles / Tasks

Professor, Marmara University, School of Medicine, Basic Medical Sciences, 1999 - Continues

Associate Professor, Marmara University, School of Medicine, Basic Medical Sciences, 1992 - 1999

Assistant Professor, Marmara University, School of Medicine, Basic Medical Sciences, 1989 - 1992

Research Assistant, Marmara University, School of Medicine, Basic Medical Sciences, 1986 - 1988

Professional Experience

Head of Department, Marmara University, School of Medicine, Basic Medical Sciences, 1992 - 2019

Vice Dean, Marmara University, School of Medicine, Basic Medical Sciences, 2004 - 2007

Advising Theses

YEGEN B., Uyanık sıçanda incebarsak motilitesinin elektromiyografik ölçümü., Post Graduate, A.Bozkurt(Student), 1997

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

1. Nesfatin-1 ameliorates oxidative bowel injury in rats with necrotizing enterocolitis: The role of the microbiota composition and claudin-3 expression

Karadeniz C., Koyuncuoğlu T., Yağmur D., Peker E., Şirvancı S., Akkiprik M., Aksu B., Dağlı E., Yeğen B.
JOURNAL OF PEDIATRIC SURGERY, vol.55, pp.2797-2810, 2020 (Journal Indexed in SCI)

- II. **Estrogen receptor agonists protect against acetaminophen-induced hepatorenal toxicity in rats.**
Koyuncuoğlu T., Yıldırım A., Dertsiz E., Yüksel M., Ercan F., Yeğen B.
Life sciences, pp.118561, 2020 (Journal Indexed in SCI Expanded)
- III. **Sleeve gastrectomy-induced endocrine changes in the remnant stomachs of premenopausal and postmenopausal rats: role of the estrogen receptors.**
Babayev H., Arabaci-Tamer S., Yildirim A., Kayali D., Ercan F., Yegen C., Ugurlu M., Yeğen B.
Surgery for obesity and related diseases : official journal of the American Society for Bariatric Surgery, 2020
(Journal Indexed in SCI Expanded)
- IV. **The gastroprotective effect of obestatin on indomethacin-induced acute ulcer is mediated by a vagovagal mechanism.**
Şen L., Özdemir K., Memi G., Ercan F., Yeğen B., Yeğen C.
Physiology international, 2020 (Journal Indexed in SCI Expanded)
- V. **Regular moderate exercise alleviates gastric oxidative damage in rats via the contribution of oxytocin receptors.**
Tamer S., Üçem S., Büke B., Güner M., Karaküçük A., Yiğit N., Şirvancı S., Çevik Ö., Ercan F., Yeğen B.
The Journal of physiology, 2020 (Journal Indexed in SCI Expanded)
- VI. **Effects of Estrogen and Estrogen Receptor Agonists on Acetaminophen-Induced Hepatorenal Toxicity in Rats**
KOYUNCUOĞLU T., YILDIRIM A., Bastem G., Dogan B., Donmez E., Temel E., Dertsiz E. K. , YÜKSEL M., ERCAN F., YEGEN B.
ACTA PHYSIOLOGICA, vol.227, pp.29, 2019 (Journal Indexed in SCI)
- VII. **Cardiovascular Effects of Melatonin, Hormone Replacement Therapy and Exercise in Postmenopausal Rats**
Tamer S. A. , Altinoluk T., Emran M., Korkmaz S., Yuksel R. G. , Baykal Z., Dur Z. S. , Levent H. N. , Ural M. A. , YÜKSEL M., et al.
ACTA PHYSIOLOGICA, vol.227, pp.59, 2019 (Journal Indexed in SCI)
- VIII. **Rethinking Large Group Lectures: How Far in This Format?**
AKTURAN S., Sevim M., ERZİK C., Yegen B., GÜLPINAR M. A.
ACTA PHYSIOLOGICA, vol.227, pp.126, 2019 (Journal Indexed in SCI)
- IX. **Protective Effects of Neuropeptide-W on Stress-Induced Gastric Ulcer in Rats**
Tamer S. A. , Akbulut S., AKAKIN D., YEGEN B.
ACTA PHYSIOLOGICA, vol.227, pp.116, 2019 (Journal Indexed in SCI)
- X. **Effects of Western Diet and Short-Chain Fatty Acids on Colonic Inflammation**
Sevim M., Ozturk C. C. , Ayvaz E. Y. , Mergen M. A. , Oluc M., Gullu E. C. , Temel M., ŞİRVANCI S., Aksu B., YÜKSEL M., et al.
ACTA PHYSIOLOGICA, vol.227, pp.49, 2019 (Journal Indexed in SCI)
- XI. **Protective Effects of Neuropeptide W against Sepsis-Induced Hepatorenal Injury in Rats**
ATICI A. E. , Tamer S. A. , Levent H. N. , ERCAN F., YEGEN B.
ACTA PHYSIOLOGICA, vol.227, pp.115, 2019 (Journal Indexed in SCI)
- XII. **Oestrogen receptor ER α and ER β agonists ameliorate oxidative brain injury and improve memory dysfunction in rats with an epileptic seizure.**
Koyuncuoğlu T., Tamer S., Erzik C., Karagöz A., Akakin D., Yüksel M., Yeğen B.
Experimental physiology, vol.104, pp.1911-1928, 2019 (Journal Indexed in SCI Expanded)
- XIII. **The Neuroprotective Effects of Neuropeptide W in Newborn Rats with Cerebral Palsy**
KOYUNCUOĞLU T., Ipek B. E. , Dertsiz E. K. , AKAKIN D., YÜKSEL M., YEGEN B.
ACTA PHYSIOLOGICA, vol.227, pp.87, 2019 (Journal Indexed in SCI)
- XIV. **The effects of antibiotics and melatonin on hepato-intestinal inflammation and gut microbial dysbiosis induced by a short-term high-fat diet consumption in rats.**
Yıldırım A., Arabacı Tamer S., Sahin D., Bagriacik F., Kahraman M. M. , Onur N. D. , Cayirli Y. B. , Kaya Ö. T. , Aksu M. B.

, Akdeniz Doğan Z. D. , et al.

The British journal of nutrition, vol.122, pp.841-855, 2019 (Journal Indexed in SCI Expanded)

- XV. **Neuroprotective effects of mildronate in a rat model of traumatic brain injury**
Demir D., Kuru Bektaşoğlu P., KOYUNCUOĞLU T., Kandemir C., AKAKIN D., YÜKSEL M., Çelikoğlu E., YEGEN B., Gürer B.
INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED, vol.50, pp.1586-1592, 2019 (Journal Indexed in SCI)
- XVI. **Effects of western diet and short chain fatty acids on colonic inflammation in rats**
ÖZTÜRK C., Sevim M., Mergen A. M. , Gullu C. E. , Ayvaz Y. E. , Temel M., Oluc M., ŞİRVANCI S., Ural A. M. , Cevik O., et al.
ACTA PHYSIOLOGICA, vol.227, pp.43, 2019 (Journal Indexed in SCI)
- XVII. **Effects of hormone replacement therapy in combination with swimming exercise and/or melatonin on oxidative tissue damage in postmenopausal rats**
Tamer S. A. , Altinoluk T., Emran M., KORKMAZ S., Yuksel R. G. , Baykal Z., Dur Z. S. , Levent H. N. , Ural M. A. , YÜKSEL M., et al.
ACTA PHYSIOLOGICA, vol.227, pp.60, 2019 (Journal Indexed in SCI)
- XVIII. **Treatment with estrogen receptor agonist ER β improves torsion-induced oxidative testis injury in rats.**
Tamer S., YILDIRIM A., Arabaci S., Ciftci S., Akin S., Sari E., Koroglu M. K. , ERCAN F., YÜKSEL M., ÇEVİK Ö., et al.
Life sciences, vol.222, pp.203-211, 2019 (Journal Indexed in SCI Expanded)
- XIX. **Melatonin supports alendronate in preserving bone matrix and prevents gastric inflammation in ovariectomized rats**
Gurler E. B. , Cilingir-Kaya O. T. , Eyuboglu I. P. , ERCAN F., AKKİPRİK M., Reiter R. J. , YEGEN B.
CELL BIOCHEMISTRY AND FUNCTION, vol.37, pp.102-112, 2019 (Journal Indexed in SCI)
- XX. **Astaxanthin's Free-Radical Scavenging Activity in an Experimental Cerulein-Induced Acute Pancreatitis**
ÖZBEYLİ D., Gurler E. B. , Buzcu H., Cilingir-Kaya O. T. , ÇAM M. E. , YÜKSEL M., Cakir O. K. , YEGEN B.
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- XXI. **Astaxanthin's free radical scavenging activity in an eperimental cerulein- induced acute pancreatitis**
ÖZBEYLİ D., GÜRLER E. B. , Buzcu H., Özlem Tuğçe Ç. K. , ÇAM M. E. , YÜKSEL M., Kasımay Çakır Ö., YEGEN B.
Acta Physiologica, vol.225, pp.14, 2018 (Journal Indexed in SCI)
- XXII. **Nesfatin-1 ameliorates testicular injury and supports gonadal function in rats induced with testis torsion.**
Tamer S., YILDIRIM A., Koroglu M. K. , ÇEVİK Ö., ERCAN F., YEGEN B.
Peptides, vol.107, pp.1-9, 2018 (Journal Indexed in SCI Expanded)
- XXIII. **Halofuginone improves caustic-induced oxidative injury of esophagus in rats**
KARADENİZ CERİT K., Karakoyun B., Bahadır E., YÜKSEL M., Bulbul N., ERCAN F., Dagli E. T. , YEGEN B.
ESOPHAGUS, vol.15, pp.59-68, 2018 (Journal Indexed in SCI)
- XXIV. **Lifestyle and Peptic Ulcer Disease**
YEGEN B.
CURRENT PHARMACEUTICAL DESIGN, vol.24, pp.2034-2040, 2018 (Journal Indexed in SCI)
- XXV. **Effect of moderate or high intensity exercise on hypothyroid rats exposed to acute stress**
KASIMAY ÇAKIR Ö., ÖZBEYLİ D., Senel E., Contuk G., VELİOĞLU ÖĞÜNÇ A., ÇETİNEL Ş., YEGEN B.
JOURNAL OF SPORTS MEDICINE AND PHYSICAL FITNESS, vol.57, pp.1711-1720, 2017 (Journal Indexed in SCI)
- XXVI. **Treatment with milk thistle extract (Silybum marianum), ursodeoxycholic acid, or their combination attenuates cholestatic liver injury in rats: Role of the hepatic stem cells**
Alaca N., ÖZBEYLİ D., USLU S., Sahin H. H. , Yigitturk G., KURTEL H., ÖKTEM G., YEGEN B.
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- XXVII. **Anti-inflammatory effects of nesfatin-1 on acetic acid-induced gastric ulcer in rats: involvement of cyclo-oxygenase pathway.**
Kolgazi M., Ozdemir-Kumral Z. N. , Cantali-Ozturk C., Demirci E., Yuksel M., Sirvanci S., Yegen B.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society, vol.68, pp.765-777, 2017 (Journal Indexed in SCI Expanded)

- XXVIII. **Sphingosine-1 Receptor Agonist SEW2871 Ameliorates Contrast-Induced Nephropathy in Rats**
Shabir A., Kutlug Agackıran S., ÖZDEMİR KUMRAL Z. N. , KAYA Ö. T. , ÖZKAN N., ÇETİNEL Ş., YEGEN B., KOÇ M.
Journal Of The American Society Of Nephrology, 2017 (Journal Indexed in SCI)
- XXIX. **Ala-Apelin, an Apelin Receptor Antagonist, Ameliorates Contrast-Induced Nephropathy in Rats**
Kutlug Agackıran S., Shabir A., ÖZDEMİR KUMRAL Z. N. , KAYA Ö. T. , ÖZKAN N., ÇETİNEL Ş., YEGEN B., KOÇ M.
Journal Of The American Society Of Nephrology, 2017 (Journal Indexed in SCI)
- XXX. **Nesfatin-1 Improves Contrast-Induced Nephropathy in Rats**
KOÇ M., Shabir A., Kutlug Agackıran S., ÖZDEMİR KUMRAL Z. N. , KAYA Ö. T. , ÖZKAN N., ÇETİNEL Ş., YEGEN B.
Journal of American Society of Nephrology, 2017 (Journal Indexed in SCI)
- XXXI. **Treatment with estrogen receptor agonist ER beta, but not ER alpha, improves torsion induced oxidative testis injury in rats**
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- XXXII. **Role Of Vagal Afferents On High Fat Diet Induced Alterations in Rat Behaviour And Gut Motility**
Ozturk Y., Akgun B., Cetin O., Karatas H. I. , Guney B., Kumral Z. N. O. , Ozbeyli D., Tamer S. A. , Zortul H., Aricioglu F., et al.
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- XXXIII. **Protective Effect of Nicotine on Sepsis-Induced Oxidative Multiorgan Damage: Role of Neutrophils.**
Ozdemir-Kumral Z. N. , ÖZBEYLİ D., Ozdemir A. F. , Karaaslan B. M. , Kaytaz K., Kara M. F. , Tok O. E. , ERCAN F., YEGEN B.
Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco, vol.19, pp.859-864, 2017 (Journal Indexed in SCI Expanded)
- XXXIV. **Effects of estrogen and androgen on seizure-induced oxidative brain damage in rats**
KOYUNCUOĞLU T., ARABACI TAMER S., KARAGÖZ A., AKAKIN D., YÜKSEL M., ERZİK C., YEGEN B.
An International Journal of Experimental and Clinical Anatomy, vol.11, 2017 (Journal Indexed in SCI Expanded)
- XXXV. **Serum Leptin, Obestatin, and Ghrelin Levels and Gastric Emptying Rates of Liquid and Solid Meals in Non-obese Rats with Roux-en-Y Bypass Surgery or Prosthesis Placement: Implications for the Role of Vagal Afferents**
Yavuz Y., ÖZDEMİR KUMRAL Z. N. , MEMİ G., ÇEVİK Ö., Yegen C., YEGEN B.
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- XXXVI. **Regular Swimming Exercise Ameliorates Acetic Acid Induced Gastric Ulcer in Rats**
Bahadır E., Özbeyli D., YÜKSEL M., Mardinoğlu G., Temiz F., Sağanak M., Şahin H., ERCAN F., YEGEN B.
Gastroenterology, vol.148, pp.295, 2017 (Journal Indexed in SCI)
- XXXVII. **Obestatin improves oxidative brain damage and memory dysfunction in rats induced with an epileptic seizure**
KOYUNCUOĞLU T., Vizdiklar C., Uren D., Yilmaz H., YILDIRIM Ç., Atal S. S. , AKAKIN D., Demirci E. K. , YÜKSEL M., YEGEN B.
PEPTIDES, vol.90, pp.37-47, 2017 (Journal Indexed in SCI)
- XXXVIII. **NESFATIN-1 AMELIORATES BOWEL INJURY IN A NEONATAL RAT MODEL OF NECROTIZING ENTEROCOLITIS**
KARADENİZ CERİT K., KOYUNCUOĞLU T., YAĞMUR D., ANIL D., ŞİRVANCI S., DAĞLI E. T. , YEGEN B.
Gastroenterology, vol.152, pp.621, 2017 (Journal Indexed in SCI)
- XXXIX. **Hepatic Inflammation in Rats Induced by Short-Term Ingestion of High-Fat Diet is Attenuated by the Antioxidant Melatonin**
ARABACI TAMER S., YILDIRIM A., Sahin D., Bagriacik F., Kahraman M. M. , Onur N. D. , Cayirli Y. B. , KAYA Ö. T. , ÇETİNEL Ş., YEGEN B.
Gastroenterology, vol.152, pp.687, 2017 (Journal Indexed in SCI)
- XL. **Neuroprotective Effect of Erythropoietin on Phenylhydrazine Induced Hemolytic Hyperbilirubinemia in Neonatal Rats**

MEMİŞOĞLU A., Kolgazi M., Yaman A., Bahadır E., ŞİRVANCI S., YEGEN B., ÖZEK E.
NEUROCHEMICAL RESEARCH, vol.42, pp.1026-1037, 2017 (Journal Indexed in SCI)

- XLII. **Functional and structural changes of the urinary bladder following spinal cord injury; treatment with alpha lipoic acid**
Ekiz A., ÖZDEMİR KUMRAL Z. N. , ERŞAHİN M., Tugtepe H., VELİOĞLU ÖĞÜNÇ A., AKAKIN D., Kiran D., ÖZSAVCI D., Biber N., Hakan T., et al.
NEUROUROLOGY AND URODYNAMICS, vol.36, pp.1061-1068, 2017 (Journal Indexed in SCI)
- XLIII. **Natural sweetener agave inhibits gastric emptying in rats by a cholecystokinin-2-and glucagon like peptide-1 receptor-dependent mechanism**
Gurler E. B. , ÖZBEYLİ D., Buzcu H., BAYRAKTAR S., Carus I., Dag B., Geris Y., Jeral S., YEGEN B.
FOOD & FUNCTION, vol.8, pp.741-745, 2017 (Journal Indexed in SCI)
- XLIV. **Halofuginone Alleviates Burn-Induced Hepatic and Renal Damage in Rats**
KARADENİZ CERİT K., Karakoyun B., YÜKSEL M., ERCAN F., Tugtepe H., Dagli T. E. , YEGEN B.
JOURNAL OF BURN CARE & RESEARCH, vol.38, 2017 (Journal Indexed in SCI)
- XLV. **The Effect of Antifibrotic Drug Halofuginone on Caustic Oesophageal Injury in Rats**
KARADENİZ CERİT K., Karakoyun B., Bahadır F. E. , YÜKSEL M., Bulbul N., ERCAN F., Dagli E. T. , YEGEN B.
ACTA PHYSIOLOGICA, vol.218, pp.65-66, 2016 (Journal Indexed in SCI)
- XLVI. **Effects of Melatonin on High-Fat Diet-Induced Inflammation and Delayed Intestinal Transit: Involvement of Gut Microbiota**
Tamer S. A. , YILDIRIM A., Sahin D., Bagriacik F., Kahraman M. M. , Onur N. D. , Cayirli Y. B. , Cilingir O. T. , Aksu B., YÜKSEL M., et al.
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- XLVII. **The Combination of Nesfatin-1 and Phenytoin Has a Synergistic Effect in Improving Seizure-induced Neuronal Damage and Memory Dysfunction in Rats**
Tamer S. A. , KOYUNCUOĞLU T., Karagoz A., AKAKIN D., Erzik C., YÜKSEL M., YEGEN B.
ACTA PHYSIOLOGICA, vol.218, pp.9, 2016 (Journal Indexed in SCI)
- XLVIII. **Protective effect of betaine against burn-induced pulmonary injury in rats**
Sehirli A. O. , Satilmis B., TETİK Ş., ÇETİNEL Ş., YEGEN B., Aykac A., Sener G.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.22, pp.417-422, 2016 (Journal Indexed in SCI)
- XLIX. **Effects of Riboflavin on Traumatic Brain Injury Induced in Rats**
KOYUNCUOĞLU T., Eminoglu E. M. , ERŞAHİN M., ÇEVİK Ö., Albayrak O., YEGEN B., ŞENER G.
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- L. **Investigation of Biphosphonate and Melatonin Combine Treatment on Bone Formation/Resorption Rate and Morphology in a Rat Model of Osteoporosis**
Gurler E. B. , Peker I., KAYA Ö. T. , AKKİPRİK M., ERCAN F., YEGEN B.
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- L. **Therapeutic effects of nesfatin 1 on oxidative brain damage and memory dysfunction in rats induced with epileptic seizures**
KOYUNCUOĞLU T., ARABACI TAMER S., KARAGÖZ A., AKAKIN D., YÜKSEL M., YARAT A., YEGEN B.
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- LII. **Treatment with oestrogen-receptor agonists or oxytocin in conjunction with exercise protects against myocardial infarction in ovariectomized rats**
Bulut E. C. , Abueid L., ERCAN F., Suleymanoglu S., Agirbasli M., YEGEN B.
EXPERIMENTAL PHYSIOLOGY, vol.101, pp.612-627, 2016 (Journal Indexed in SCI)
- LIII. **Nesfatin-1 improves oxidative skin injury in normoglycemic or hyperglycemic rats**
Solmaz A., Bahadır E., Gulcicek O. B. , Yigitbas H., Celik A., Karagoz A., ÖZSAVCI D., ŞİRVANCI S., YEGEN B.
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- LIV. **REGULAR EXERCISE ALLEVIATES RENOVASCULAR HYPERTENSION-INDUCED CARDIAC/ENDOTHELIAL DYSFUNCTION AND OXIDATIVE INJURY IN RATS**
Kumral Z. N. O. , Sener G., Ozgur S., Koc M., Suleymanoglu S., Hurdag C., Yegen B.

JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, vol.67, pp.45-55, 2016 (Journal Indexed in SCI)

- LIV. **Estrogen receptor agonists alleviate cardiac and renal oxidative injury in rats with renovascular hypertension**
ÖZDEMİR KUMRAL Z. N. , Kolgazi M., Ustunova S., Cakir Ö., ÇEVİK Ö., ŞENER G., YEGEN B.
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- LIV. **The neuroprotective and anti-apoptotic effects of melatonin on hemolytic hyperbilirubinemia-induced oxidative brain damage**
Pazar A., Kolgazi M., MEMİŞOĞLU A., Bahadır E., ŞİRVANCI S., Yaman A., YEGEN B., ÖZEK E.
JOURNAL OF PINEAL RESEARCH, vol.60, pp.74-83, 2016 (Journal Indexed in SCI)
- LVI. **The protective effects of obestatin on oxidative brain damage of rats with pentylentetrazol (PTZ)-induced epileptic seizures**
KOYUNCUOĞLU T., Uren D., Yildirim C., Atal S. S. , Vizdiklar C., Yilmaz H., Demirci E. K. , AKAKIN D., YÜKSEL M., YEGEN B.
ACTA PHYSIOLOGICA, vol.215, pp.5, 2015 (Journal Indexed in SCI)
- LVII. **Integrated and Contextual Basic Science Instruction in Preclinical Education: Problem-Based Learning Experience Enriched With Brain/Mind Learning Principles**
GÜLPINAR M. A. , Isoglu-Alkac U., YEGEN B.
EDUCATIONAL SCIENCES-THEORY & PRACTICE, vol.15, pp.1215-1228, 2015 (Journal Indexed in SSCI)
- LVIII. **Post-graduate Physiology Education in Changing Conditions**
Yegen B., Bor-Kucukatay M., Sahiner M.
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- LIX. **Treatment with Milk Thistle Extract (Silybum Marianum), Ursodeoxycholic Acid or their Combination Attenuates Liver Injury and Stem Cells in Bile Duct-Ligation Induced-Cholestasis in Rats**
Alaca N., ÖZBEYLİ D., Uslu S., Sahin H. H. , Yigitturk G., KURTEL H., ÖKTEM G., YEGEN B.
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- LX. **Treatment with either obestatin or ghrelin attenuates mesenteric ischemia-reperfusion-induced oxidative injury of the ileum and the remote organ lung**
Sen L. S. , Karakoyun B., Yegen C., AKKİPRİK M., YÜKSEL M., ERCAN F., Ozer A., YEGEN B.
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- LXI. **The Protective Effects of Obestatin on Oxidative Brain Damage of Rats with Pentylentetrazol (PTZ)-induced Epileptic Seizures**
KOYUNCUOĞLU T., Uren D., Atal S. S. , Yilmaz H., YILDIRIM Ç., Vizdiklar C., AKAKIN D., Demirci E. K. , YÜKSEL M., YEGEN B.
ACTA PHYSIOLOGICA, vol.215, pp.69, 2015 (Journal Indexed in SCI)
- LXII. **Intravesical hyaluronic acid treatment improves bacterial cystitis and reduces cystitis-induced hypercontractility in rats**
YILDIZ N., ALPAY H., Tugtepe H., ÖZDEMİR KUMRAL Z. N. , AKAKIN D., İlki A., ŞENER G., YEGEN B.
INTERNATIONAL JOURNAL OF UROLOGY, vol.22, pp.598-603, 2015 (Journal Indexed in SCI)
- LXIII. **Nesfatin-1 alleviates gastric damage via direct antioxidant mechanisms**
Kolgazi M., Cantali-Ozturk C., Deniz R., ÖZDEMİR KUMRAL Z. N. , YÜKSEL M., ŞİRVANCI S., YEGEN B.
JOURNAL OF SURGICAL RESEARCH, vol.193, pp.111-118, 2015 (Journal Indexed in SCI)
- LXIV. **Nesfatin 1 alleviates gastric damage via direct antioxidant mechanism**
KOLGAZİ M., ÇİĞDEM Ç. Ö. , DENİZ R., ÖZDEMİR KUMRAL Z. N. , YÜKSEL M., ŞİRVANCI S., BERRAK Y. Ç.
Journal Of Surgical Research, vol.193, pp.111-118, 2015 (Journal Indexed in SCI Expanded)
- LXV. **Obestatin improves ischemia/reperfusion-induced renal injury in rats via its antioxidant and anti-apoptotic effects: Role of the nitric oxide**
KOÇ M., ÖZDEMİR KUMRAL Z. N. , ÖZKAN N., Memi G., Kacar O., Bilsel S., ÇETİNEL Ş., YEGEN B.
PEPTIDES, vol.60, pp.23-31, 2014 (Journal Indexed in SCI)
- LXVI. **EFFECTS OF SACCHAROMYCES BOULARDII ON ANTIBIOTIC INDUCED OROCECAL TRANSIT IN RATS**
Duman D. G. , Akin H., Deniz M., Can G., Yegen B.
ACTA ALIMENTARIA, vol.43, pp.387-393, 2014 (Journal Indexed in SCI)

- LXVII. **Estrogen Alleviates Acetic Acid-Induced Gastric or Colonic Damage via Both ER alpha- and ER beta-Mediated and Direct Antioxidant Mechanisms in Rats**
ÖZDEMİR KUMRAL Z. N. , Memi G., ERCAN F., YEGEN B.
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