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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Ondokuz Mayıs Üniversitesi, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (Dr), Türkiye 1985 - 1991

Yüksek Lisans, Ondokuz Mayıs Üniversitesi, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (YI) (Tezli), Türkiye 1985 - 1987

Lisans, Ankara Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, Türkiye 1977 - 1982

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, 4 ve 20 haftalık erkek ve dişi sıçanların hipokampusunda nöronal asimetri, Ondokuz Mayıs Üniversitesi, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (Dr), 1990

Yüksek Lisans, İnsan göbek bağında hücre dağılımı, Ondokuz Mayıs Üniversitesi, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (YI) (Tezli), 1987

Araştırma Alanları

Temel Tıp Bilimleri, Histoloji-Embriyoloji

Akademik Unvanlar / Görevler

Prof.Dr., Ondokuz Mayıs Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1984 - Devam Ediyor

Akademik İdari Deneyim

Ondokuz Mayıs Üniversitesi, 2008 - Devam Ediyor

Ondokuz Mayıs Üniversitesi, 2015 - 2016

Ondokuz Mayıs Üniversitesi, 2014 - 2015

Verdiği Dersler

HİSTOLOJİ, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

STEREOLOJİ, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012

Yönetilen Tezler

Süleyman K., Nonsteroidal antiinflatuar ilaca prenatal maruz kalmanın periferik sinir gelişimi üzerindeki olumsuz etkilerine karşı melatoninin nöroprotektif etkinliğinin değerlendirilmesi, Doktora, İ.KESKİN(Öğrenci), 2011

Süleyman K., Otopsi olgularında glomus caroticum ve sinus caroticus anatomisi, histolojisi ve varyasyonları, Doktora, TACAR(Öğrenci), 2010

Süleyman K., Geçici serebral iske mi sonrası civciv hippocampusunda meydana gelen nöron sayısı değişimlerinin optik fraksiyonlama yöntemi ile araştırılması, Yüksek Lisans, S.CANAN(Öğrenci), 1998

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **The histomorphological and stereological assessment of rat dorsal root ganglion tissues after various types of sciatic nerve injury**
DELİBAŞ B., Kaplan S.
HISTOCHEMISTRY AND CELL BIOLOGY, cilt.161, sa.2, ss.145-163, 2024 (SCI-Expanded)
- II. **Momordica charantia enhances tendon healing in rats: An experimental study**
Erdogan F., KAPLAN A. A., Coşkun H. S., Altun G., Altunkaynak B. Z., Kelsaka E., Kaplan S., PİŞKİN A.
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- III. **An investigation of the potential effects of amitriptyline on polycystic ovary syndrome induced by estradiol valerate**
Alkan I., Kaplan S.
HISTOCHEMISTRY AND CELL BIOLOGY, cilt.160, sa.1, ss.27-37, 2023 (SCI-Expanded)
- IV. **The effects of curcumin and blueberry on axonal regeneration after peripheral nerve injury**
KAPLAN A. A., Önger M. E., Kaplan S.
JOURNAL OF CHEMICAL NEUROANATOMY, cilt.130, 2023 (SCI-Expanded)
- V. **Beneficial effects of curcumin in the diabetic rat ovary: a stereological and biochemical study**
Tufekci K. K., Kaplan S.
HISTOCHEMISTRY AND CELL BIOLOGY, cilt.159, sa.5, ss.401-430, 2023 (SCI-Expanded)
- VI. **Special issue editorial: In vivo experimental studies of prenatal and neonatal exposures to EMF provide grounds for epidemiological surveillance and precaution**
Kaplan S., Davis D. L., Steinbusch H. W. M.
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- VII. **Stereological Evidence of Non-Selective Hippocampal Neurodegeneration, IGF-1 Depletion, and Behavioral Deficit following Short Term Bilateral Adrenalectomy in Wistar Rats**
Hamadi N., Deniz O. G., Issa A. S. A., Islam A. U. S., Amir N., Minhas S. T., Madjid N., Khelifi-Touhami F., Kaplan S., Adem A.
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- VIII. **The potential protective effects of melatonin and omega-3 on the male rat optic nerve exposed to 900?MHz electromagnetic radiation during the prenatal period**
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- IX. **The effect of dietary sesame oil and ginger oil as antioxidants in the adult rat dorsal root ganglia after peripheral nerve crush injury**
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- X. **The effects of Gum Arabic, curcumin (*Curcuma longa*) and *Garcinia kola* on the rat hippocampus after electromagnetic field exposure: A stereological and histological study**
Elamin A. A. E., Deniz O. G., Kaplan S.
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- XI. **The effects of different herbals on the rat hippocampus exposed to electromagnetic field for one hour during the prenatal period**
Deniz O. G., Kaplan S.
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- XII. **The protective effect of curcumin on the diabetic rat kidney: A stereological, electron microscopic and immunohistochemical study**
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- XIII. **The effects of different doses of diclofenac sodium on newborn rat hippocampus exposed during the third trimester**
Elibol E., Kaplan S., Altun G., Aksoy A., ALTUNKAYNAK B. Z.
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- XIV. **Biochemical, immunohistochemical and morphometrical investigation of the effect of thymoquinone on the rat testis following exposure to a 900-MHz electromagnetic field**
Yahyazadeh A., ALTUNKAYNAK B. Z., Kaplan S.
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- XV. **Is melatonin, leptin or their combination more effective on oxidative stress and folliculogenesis in the obese rats?**
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JOURNAL OF OBSTETRICS AND GYNAECOLOGY, cilt.40, sa.1, ss.116-127, 2019 (SCI-Expanded)
- XVI. **A Study on the Toxic Effect of Different Doses of Diclofenac Sodium on the Development of the Kidney in the Postnatal Period**
Mustafa H. N., Alkan I., Dentz O. G., Altunkaynak B. Z., ANNAÇ E., Kaplan S.
INTERNATIONAL JOURNAL OF MORPHOLOGY, cilt.37, sa.3, ss.877-884, 2019 (SCI-Expanded)
- XVII. **Neuroprotective Effects of Melatonin and Omega-3 on the Central Nervous System Exposed to Electromagnetic Fields in the Pre- and Postnatal Periods**
Yurt K. K., Kivrak E. G., Altun G., AKTAŞ A., KAPLAN A. A., Kaplan S.
OMEGA FATTY ACIDS IN BRAIN AND NEUROLOGICAL HEALTH, 2ND EDITION, ss.161-191, 2019 (SCI-Expanded)
- XVIII. **A concise review of optical, physical and isotropic fractionator techniques in neuroscience studies, including recent developments**
Deniz O. G., Altun G., KAPLAN A. A., Yurt K. K., von Bartheld C. S., Kaplan S.
JOURNAL OF NEUROSCIENCE METHODS, cilt.310, ss.45-53, 2018 (SCI-Expanded)
- XIX. **Effects of mobile phone exposure on metabolomics in the male and female reproductive systems**
Altun G., Deniz O. G., Yurt K. K., Davis D., Kaplan S.
ENVIRONMENTAL RESEARCH, cilt.167, ss.700-707, 2018 (SCI-Expanded)
- XX. **A brief update on physical and optical disector applications and sectioning-staining methods in neuroscience**
Yurt K. K., Kivrak E. G., Altun G., Mohamed H., Ali F., Gasmalla H. E., Kaplan S.
JOURNAL OF CHEMICAL NEUROANATOMY, cilt.93, ss.16-29, 2018 (SCI-Expanded)
- XXI. **Effects of spermine and the passive avoidance learning (PAL) following cerebral ischemia in chicks: Association with neuroprotection of pyramidal cells**
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- JOURNAL OF CHEMICAL NEUROANATOMY, cilt.88, ss.41-45, 2018 (SCI-Expanded)
- XXII. **As a painkiller: a review of pre- and postnatal non-steroidal anti-inflammatory drug exposure effects on the nervous systems**
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- XXIII. **The neuroprotective effect of melatonin on the hippocampus exposed to diclofenac sodium during the prenatal period**
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- XXIV. **The use of non-steroidal anti-inflammatory drugs diseases**
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- XXV. **Non-steroidal anti-inflammatory drugs and nervous system development**
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- XXVI. **Possible effects of some agents on the injured nerve in obese rats: A stereological and electron microscopic study**
Önger M. E., Kaplan S., Geuna S., Türkmen A. P., Muratori L., Altun G., Altunkaynak B. Z.
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- XXVII. **Postlaminectomy Bone and Scar Formations in Presence of Ankaferd Blood Stopper and Bitter Melon (Momordica Charantia): An Experimental Study**
Kuruoglu E., Önger M. E., Marangoz A. H., Kocacan S. E., Çokluk C., Kaplan S.
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- XXVIII. **Possible promoting effects of melatonin, leptin and alcar on regeneration of the sciatic nerve**
Önger M. E., Kaplan S., Deniz O. G., Altun G., Altunkaynak B. Z., Balci K., Raimondo S., Geuna S.
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- XXIX. **Comments on 'Neuroprotective effects of melatonin and omega-3 on hippocampal cells prenatally exposed to 900 MHz electromagnetic fields' Response**
Kaplan S.
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, cilt.93, sa.7, ss.663-664, 2017 (SCI-Expanded)
- XXX. **The histopathological and stereological assessment of the effect of topically administered leptin on cerebral vasospasm in an experimental subarachnoid hemorrhage model**
Demirel C., Çokluk C., Aksoy A., Aydin K., Önger M. E., Kuruoglu E., Marangoz A. H., Deniz O. G., Kaplan S.
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- XXXI. **Garcinia kola aqueous suspension prevents cerebellar neurodegeneration in long-term diabetic rat a type 1 diabetes mellitus model**
Farahna M., Etet P. F. S., Osman S. Y., Yurt K. K., Amir N., Vecchio L., Aydin I., Aldebasi Y. H., Sheikh A., Chijuka J. C., et al.
JOURNAL OF ETHNOPHARMACOLOGY, cilt.195, ss.159-165, 2017 (SCI-Expanded)
- XXXII. **N-acetylcysteine eradicates Pseudomonas aeruginosa biofilms in bone cement**
Önger M. E., Gocer H., Emir D., Kaplan S.
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- XXXIII. **Effects of Methylphenidate and Atomoxetine Treatment on Purkinje Cell Number in Juvenile Rats**
Acar T., Altunkaynak B. Z., Yurt K. K., Yuce M., Khoshvaghti H., Kivrak E. G., Elibol E., Onger M. E., Kaplan S.
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- XXXIV. **Neuroprotective effects of melatonin and omega-3 on hippocampal cells prenatally exposed to 900 MHz electromagnetic fields**
Koc G. E., Kaplan S., Altun G., Gumus H., Deniz O. G., Aydin I., Önger M. E., Altunkaynak Z.
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- XXXV. **Seizures with Pentylenetetrazoll indling Cause a Decrease in the Number of Pyramidal Neurons in**

the Rat Hippocampus

Kocacan S. E., Sefil F., Elibol E., Altunkaynak B. Z., Acar M. D., Bagirici F., Marangoz C., Kaplan S.

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XXXVI. The role of electromagnetic fields in neurological disorders

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XXXVII. Electromagnetic field and brain development

Kaplan S., Deniz O. G., Önger M. E., Türkmen A. P., Yurt K. K., Aydin I., Altunkaynak B. Z., Davis D.

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XXXVIII. Different methods for evaluating the effects of microwave radiation exposure on the nervous system

Altunkaynak B. Z., Altun G., Yahyazadeh A., KAPLAN A. A., Deniz O. G., Türkmen A. P., Önger M. E., Kaplan S.

JOURNAL OF CHEMICAL NEUROANATOMY, cilt.75, ss.62-69, 2016 (SCI-Expanded)

XXXIX. Effect of Electromagnetic Wave on Bone Healing in Fixed and Unfixed Conditions

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JOURNAL OF CRANIOFACIAL SURGERY, cilt.27, sa.6, ss.1606-1608, 2016 (SCI-Expanded)

XL. Effect of Prenatal Exposure to Diclofenac Sodium on the Development of Arteries in the Female Rat A Stereological and Histopathological Evaluation

ÇOLAKOĞLU S., Altunkaynak M. E., Zengin H., Elibol E., Altunkaynak B. Z., Kesim Y., Kaplan S.

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XLI. Controversies on electromagnetic field exposure and the nervous systems of children

Warille A. A., Önger M. E., Türkmen A. P., Deniz O. G., Altun G., Yurt K. K., Altunkaynak B. Z., Kaplan S.

HISTOLOGY AND HISTOPATHOLOGY, cilt.31, sa.5, ss.461-468, 2016 (SCI-Expanded)

XLII. A histomorphometric study regarding controversial effects of antidepressants on bone mineral density in menopause

Ozdes E. K., Altunkaynak B. Z., Ilkaya F., Canbaz Tosun F., Kivrak E. G., Önger M. E., Guzel H., Kokcu A., Kaplan S.

INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, cilt.9, sa.8, ss.16034-16042, 2016 (SCI-Expanded)

XLIII. Effects of prenatal diclofenac sodium exposure on newborn testis: a histomorphometric study

Arslan H., Aktas A., Elibol E., ESENER O. B. B., Türkmen A. P., Yurt K. K., Önger M. E., Altunkaynak B. Z., Kaplan S.

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XLIV. Effects of diclofenac sodium on the hippocampus of rats with acute subdural hematoma: histological, stereological, and molecular approach

Türkmen A. P., Kaplan S., Aksoy A., Altunkaynak B. Z., Yurt K. K., Elibol E., Çokluk C., Önger M. E.

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XLV. Generation of Skin Tissue Using Adipose Tissue-Derived Stem Cells

Ozpur M. A., Guneren E., Canter H. I., Karaaltın M. V., Ovalı E., Yöğün F. N., Baygöl E. G., Kaplan S.

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XLVI. Role of vascular endothelial growth factor and placental growth factor expression on placenta structure in pre-eclamptic pregnancy

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Journal of Obstetrics and Gynaecology Research, cilt.41, sa.10, ss.1533-1540, 2015 (SCI-Expanded)

XLVII. Assesment of Superior Colliculus with a Stereological Method in Audiogenic Epilepsy-Prone Wistar Rats

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XLVIII. Effects of thymoquinone on testicular structure and sperm production in male obese rats

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SYSTEMS BIOLOGY IN REPRODUCTIVE MEDICINE, cilt.61, sa.4, ss.194-204, 2015 (SCI-Expanded)

XLIX. Evaluation of neuroprotection by melatonin against adverse effects of prenatal exposure to a

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KESKİN İ., Kaplan S., Kalkan S., Sutcu M., TUNALI M. B., ESENER O. B. B.

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- L. **Effects of prenatal 900 MHz electromagnetic field exposures on the histology of rat kidney**
Ulubay M., Yahyazadeh A., Deniz O. G., Kivrak E. G., Altunkaynak B. Z., Erdem G., Kaplan S.
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- LI. **Does Melatonin Have a Protective Role against Side Effects of Nonsteroidal Anti-Inflammatory Drugs?**
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- LII. **Melatonin Use in Peripheral Nerve Injury**
Önger M. E., Kaplan S., Elibol E., Deniz O. G., Altunkaynak B. Z.
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- LIIL. **Effects of Melatonin on Osteoblastic and Osteoclastic Activities of Bone Tissue**
GUNDAG M., SEYİTHANOĞLU M. H., TURGUT M., Kaplan S., Tuzgen S.
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- LIV. **Effects of melatonin on diclofenac sodium treated rat kidney: a stereological and histopathological study**
Khoshvakhti H., Yurt K. K., Altunkaynak B. Z., Türkmen A. P., Elibol E., Aydın I., Kivrak E. G., Önger M. E., Kaplan S.
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- LV. **Antiepileptic Effects of Melatonin**
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- LVI. **Platelet-Rich Plasma and Autogenous Bone Graft Combined with Guided Tissue Regeneration in Periodontal Fenestration Defects in Dogs**
Keskiner I., Alkan A., Acikgoz G., Arpak N., Kaplan S., Arslan H.
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- LVII. **Efficacy of Ankaferd Blood Stopper on bone healing in diabetic rats: a stereological and histopathological study**
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- LVIII. **Effects of high fat diet induced obesity on peripheral nerve regeneration and levels of GAP 43 and TGF-beta in rats**
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- LIX. **The beneficial effects of Momordica charantia (bitter gourd) on wound healing of rabbit skin**
PİŞKİN A., Altunkaynak B. Z., TÜMENTEMUR G., Kaplan S., Yazici O. B., Hokelek M.
JOURNAL OF DERMATOLOGICAL TREATMENT, cilt.25, sa.4, ss.350-357, 2014 (SCI-Expanded)
- LX. **Comparison between Flexible Collagen and Vein Conduits Used for Size-Discrepant Nerve Repair: An Experimental Study in Rats**
Demir A., Şimşek T., Acar M., Aktas A., Vlamings R., Ayyıldız M., Yildirim M., Temel Y., Kaplan S.
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- LXI. **Effects of prenatal exposure to diclofenac sodium and saline on the optic nerve of 4- and 20-week-old male rats: a stereological and histological study**
Colakoglu S., Aktas A., Raimondo S., Türkmen A. P., Altunkaynak B. Z., Odaci E., Geuna S., Kaplan S.
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- LXII. **Immediate versus delayed primary nerve repair in the rabbit sciatic nerve**
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- LXIII. **The effect of prenatal exposure of a non-steroidal anti-inflammatory drug on the optic nerve of**

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- LXIV. **The Effects of Zoledronic Acid on Mandibular Fracture Healing in an Osteoporotic Model: A Stereological Study**
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- LXV. **Stereological and histopathological evaluation of ovary and uterine horns of female rats prenatally exposed to diclofenac sodium**
Guven D., Altunkaynak B. Z., Ayranci E., Kaplan S., Bildircin F. D., Kesim Y., Ekici P.
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- LXVI. **Effect of prenatal exposure to diclofenac sodium on the male rat arteries: a stereological and histopathological study**
Zengin H., Kaplan S., TÜMKAYA L., Altunkaynak B. Z., Ragbetli M. C., Altunkaynak M. E., Yılmaz Ö.
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- LXVII. **Stereological Evaluation of the Kidneys of Anencephalic and Normal Fetuses**
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- LXVIII. **Prenatal exposure of diclofenac sodium affects morphology but not axon number of the median nerve of rats**
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- LXIX. **Toxicity of non-steroidal anti-inflammatory drugs: a review of melatonin and diclofenac sodium association**
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