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Education Information

Expertise In Medicine, Dokuz Eylul University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1992 - 1997

Expertise In Medicine, Dokuz Eylul University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1984 - 1989

Undergraduate, Ege University, Faculty Of Medicine, Tıp Pr., Turkey 1976 - 1982

Foreign Languages

English, C1 Advanced

Dissertations

Expertise In Medicine, Fototerapi alan yenidoğanlarda dermal bilirubin kinetiği, Dokuz Eylul University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1997

Expertise In Medicine, Kordon kanı eritrosit membran lipid değerleri, Dokuz Eylul University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1988

Research Areas

Neonatology

Academic Titles / Tasks

Professor, Dokuz Eylul University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1989 - Continues

Supervised Theses

ÖZKAN H., Are we doing wrong by providing nutritional support in sepsis treatment? Is physiological starving the key solution ?, Expertise In Medicine, G.BAKIR(Student), 2020

ÖZKAN H., Analysis of relationship between infantile colic and migraine and bioritm disorders, Expertise In Medicine, T.ÜÇÜNCÜ(Student), 2017

ÖZKAN H., Cephalocaudal progression of jaundice in infants of gestational age under 35 weeks and the relationship with clinical outcomes, Expertise In Medicine, Ç.ÇERÇİ(Student), 2013

ÖZKAN H., Is gastric aspiration needed for neonate management in delivery room?, Expertise In Medicine, S.KİREMİTÇİ(Student), 2010

ÖZKAN H., Controlled comparison of early growth velocities of IUGR and NON-IUGR VLBW infants WHO received early aggressive parenteral nutrition, Expertise In Medicine, G.BİLGİLİ(Student), 2009

ÖZKAN H., The relationship between glucagon like peptide 2 and feeding intolerance in preterm babies, Expertise In Medicine, F.ESRA(Student), 2006

ÖZKAN H., Controlled comparison of the effects of premature rupture of membranes on neonatal outcomes, Expertise In Medicine, D.YEŞİLİRMAK(Student), 2005

ÖZKAN H., Neonatal hearing screening screening with two stage otoacoustic emission test, Expertise In Medicine, M.MANSUR(Student), 2003

ÖZKAN H., The demographic, clinical, laboratory and prognostic characteristics of transient tachypnea of the newborn, Expertise In Medicine, B.KASAP(Student), 2003

ÖZKAN H., Evaluation of bilirubin inducing apoptotic and necrotic cell death in astrocyte cell culture, Expertise In Medicine, A.KUMRAL(Student), 2002

ÖZKAN H., Long term follow-up of the term neonates with severe indirect hyperbilirubinemia; should the exchange transfusion limits be changed in Turkey, Expertise In Medicine, N.DUMAN(Student), 2001

ÖZKAN H., Rapid diagnosis of neonatal nosocomial pneumonia with acridine-orange leukocyte cytospin test, Expertise In Medicine, H.GÜLCAN(Student), 2001

ÖZKAN H., Beta-lactam antibiotic resistance in aerobic commensal faecal flora in newborns, Expertise In Medicine, M.DUMAN(Student), 1998

ÖZKAN H., Respiratuvar distres sendromlu çok düşük doğum ağırlıklı bebeklerde senkronize ventilasyon, Expertise In Medicine, N.DUMAN(Student), 1997

ÖZKAN H., Sistemik enflamatuvar yanıt sendromlu yenidoğan bebeklerde idrar nitrit düzeyleri, Expertise In Medicine, N.UZUNER(Student), 1996

ÖZKAN H., Yenidoğanlarda kan transfüzyonu uygulaması esnasında lökosit filtresi kullanımının anti-HLA antikorlarının oluşumuna etkisi, Expertise In Medicine, A.SEMRA(Student), 1995

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A New Perspective on the Pathogenesis of Infantile Colic: Is Infantile Colic a Biorhythm Disorder?**
Ucuncu Egeli T., Tufekci K. U., Ural C., Durur D. Y., Erdogan F., Cavdar Z., Genc S., Keskinoglu P., Duman N., Ozkan H.
Journal of Pediatric Gastroenterology and Nutrition, vol.77, no.2, pp.171-177, 2023 (SCI-Expanded)
- II. **The role of MRI- based texture analysis to predict the severity of brain injury in neonates with perinatal asphyxia**
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BRITISH JOURNAL OF RADIOLOGY, vol.95, no.1132, 2022 (SCI-Expanded)
- III. **Response to the letter regarding fluid therapy in term newborns.**
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The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians, vol.35, no.25, pp.8112-8113, 2022 (SCI-Expanded)
- IV. **A novel Mecom gene mutation associated with amegakaryocytic thrombocytopenia in a premature infant**
Deliloğlu B., Tüfekçi Ö., ERDOĞAN F., Aykut A., Ceylan E. İ., Durmaz A., YILMAZ Ş., DUMAN N., ÖZKAN H., ÖREN H.
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- V. **Comparison of isotonic and hypotonic intravenous fluids in term newborns: is it time to quit hypotonic fluids**
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JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.35, no.2, pp.356-361, 2022 (SCI-Expanded)

- VI. **Relationship between placental autophagy and inflammasome activities with morbidity of extremely preterm infants.**
Delilöglu B., Tüzün F., Aysal A., Duman N., Özkan H., Özer E.
The Turkish journal of pediatrics, vol.64, no.6, pp.1001-1012, 2022 (SCI-Expanded)
- VII. **Diagnosis and Treatment Approaches in Infantile Colic (IC): Results of a Survey Among Paediatricians in Turkey**
HIZLI Ş., Can D., Kilic I., Orun E., Tunc T., ÖZKAN H.
FRONTIERS IN PEDIATRICS, vol.9, 2021 (SCI-Expanded)
- VIII. **Editorial: Respiratory Management of Extremely Preterm Infants**
ÖZKAN H., ARSAN S., Shi Y.
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- IX. **Current factors affecting the risk of omphalitis in newborns: A prospective case-control study.**
Celebi Celik F., Tuzun F., Duman N., Keskinoglu P., Kumral A., Özkan H.
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- X. **Topiramate and darbepoetin alpha ameliorate bilirubin-induced neurons cell damage**
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EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, no.9, pp.3585-3593, 2021 (SCI-Expanded)
- XI. **Epigenetic Programming Through Breast Milk and Its Impact on Milk-Siblings Mating**
ÖZKAN H., Tuzun F., TAHERİ S., Korhan P., Akokay P., YILMAZ O., DUMAN N., ÖZER E., Tufan E., KUMRAL A., et al.
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- XII. **Endotracheal Surfactant Combined With Budesonide for Neonatal ARDS**
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- XIII. **Volume Guarantee High-Frequency Oscillatory Ventilation in Preterm Infants With RDS: Tidal Volume and DCO₂ Levels for Optimal Ventilation Using Open-Lung Strategies**
Tuzun F., Deliloglu B., Cengiz M. M., Iscan B., DUMAN N., ÖZKAN H.
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- XIV. **Prophylactic Fucose can Alleviate Lipopolysaccharide-Induced Cholestatic Liver Injury in Neonatal Rats**
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- XV. **Effects of maternal folic acid supplementation on airway remodeling and allergic airway disease development**
Iscan B., Tuzun F., Filibeli B. E., CİLAKEK MİÇİLİ S., Ergur B. U., DUMAN N., ÖZKAN H., KUMRAL A.
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- XVIII. **Comparison of INTERGROWTH-21 and Fenton growth standards to assess size at birth and extrauterine growth in very preterm infants**
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- XIX. **Effects of Maternal Folic Acid Supplementation on Airway Remodelling and Allergic Airway Disease Risk**

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- XX. **Intranasal surfactant protein D as neuroprotective rescue in a neonatal rat model of periventricular leukomalacia**
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- XXI. **The effects of perinatal steroid therapy on growth factor levels during different stages of the developing brain**
Iscan B., Tuzun F., CILAKER MIÇILI S., TUĞYAN K., DUMAN N., ÖZKAN H., KUMRAL A.
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.30, no.15, pp.1820-1828, 2017 (SCI-Expanded)
- XXII. **DOES IT MAKE ANY SENSE FOR PREMATURE INFANTS AT RISK TO START NEURODEVELOPMENTAL TREATMENT IN THE NEONATAL INTENSIVE CARE UNIT? A RANDOMIZED, CONTROLLED CLINICAL TRIAL**
Uzer S., Savci S., Duman N., Tuzun F., Kumral A., ÖZKAN H.
EUROPEAN JOURNAL OF PEDIATRICS, vol.175, no.11, pp.1571-1572, 2016 (SCI-Expanded)
- XXIII. **COULD "NEW INTERGROWTH-21 CURVES" CHANGE INTRAUTERINE AND EXTRAUTERINE GROWTH RETARDATION INCIDENCE IN VERY SMALL PREMATURE INFANTS**
Tuzun F., Yucesoy E., Baysal B., Kumral A., Nuray D., ÖZKAN H.
EUROPEAN JOURNAL OF PEDIATRICS, vol.175, no.11, pp.1639, 2016 (SCI-Expanded)
- XXIV. **HYPOPHOSPHATASIA WITH THE ASSOCIATION OF INV(1)(Q11.Q21.3) AND CLEFT PALATE**
Bozkaya O. G., Iscan B., Aksel O., Duman N., Kumral A., ÖZKAN H., Ercal D.
GENETIC COUNSELING, vol.27, no.1, pp.83-86, 2016 (SCI-Expanded)
- XXV. **Nasal intermittent positive pressure ventilation with or without very early surfactant therapy for the primary treatment of respiratory distress syndrome**
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- XXVII. **Impact of Volume Guarantee on High-Frequency Oscillatory Ventilation in Preterm Infants: A Randomized Crossover Clinical Trial**
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- XXVIII. **Effect of induced hypothermia on lipopolysaccharide-induced lung injury in neonatal rats.**
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The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians, vol.27, no.4, pp.421-9, 2014 (SCI-Expanded)
- XXIX. **Protective effects of pentoxifylline on lipopolysaccharide-induced white matter injury in a rat model of periventricular leukomalacia**
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- XXX. **Case of acquired lobar emphysema mimicking pneumothorax in a neonate**
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- KUMRAL A., Okyay E., Guclu S., Gencpinar P., İŞLEKEL G. H., Oguz S. S., Kant M., Demirel G., DUMAN N., ÖZKAN H.
JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.39, no.3, pp.663-671, 2013 (SCI-Expanded)
- XXXII. **Role of epigenetic regulatory mechanisms in neonatal hypoxic-ischemic brain injury**
KUMRAL A., Tuzun F., TUĞYAN K., ÖZBAL S., YILMAZ O., Yesilirmak C. D., DUMAN N., ÖZKAN H.
EARLY HUMAN DEVELOPMENT, vol.89, no.3, pp.165-173, 2013 (SCI-Expanded)
- XXXIII. **Breast Milk Jaundice: Effect of Bacteria Present in Breast Milk and Infant Feces**
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- XXXV. **Milk kinship hypothesis in light of epigenetic knowledge.**
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- XXXVI. **Impact of volume guarantee on synchronized ventilation in preterm infants: a randomized controlled trial.**
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Intensive care medicine, vol.38, no.8, pp.1358-64, 2012 (SCI-Expanded)
- XXXVII. **Genetic basis of apnoea of prematurity and caffeine treatment response: role of adenosine receptor polymorphisms: genetic basis of apnoea of prematurity.**
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- XLI. **Neonatal outcome of fetuses receiving intrauterine transfusion for severe hydrops complicated by Rhesus hemolytic disease**
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- XLII. **Effect of leptin treatment on neonatal hypoxic-ischemic brain injury**
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- XLVII. **Safety Concerns With the Clinical Use of Erythropoietin in Acute Ischemic Stroke**
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- XLVIII. **Prolonged unconjugated hyperbilirubinaemia associated with the haem oxygenase-1 gene promoter polymorphism**
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Metrics

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Congress and Symposium Activities

24. Pediatri Günleri, Moderator, İzmir, Turkey, 2023

30. Ulusal Neonatoloji Kongresi, Invited Speaker, Antalya, Turkey, 2023

Pediatride Güncel Başlıklar, Invited Speaker, Baku, Azerbaijan, 2023