

## Prof. Figen ESEN

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### Education Information

Expertise In Medicine, Istanbul University, Istanbul Medical Faculty, Anesteziyoloji Ve Reanimasyon Kliniđi, Turkey 1988 - 1992

### Foreign Languages

English, C1 Advanced

### Research Areas

Medicine, Health Sciences, Surgery Medicine Sciences, Anesthesiology, Reanimation

### Academic Titles / Tasks

Professor, Istanbul University, Istanbul Medical Faculty, Anesteziyoloji Ve Reanimasyon Kliniđi, 2000 - Continues

Associate Professor, Istanbul University, Istanbul Medical Faculty, Anesteziyoloji Ve Reanimasyon Kliniđi, 1995 - 2000

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

- I. **Comparison of *Candida* colonization in intensive care unit patients with and without COVID-19: First prospective cohort study from Turkey**  
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- V. **IgG-conjugated Gold Nanoparticles Restore Blood-Brain Barrier Damage in Both in vitro and in vivo Models of Sepsis**  
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- VII. **First Case of COVID-19 Positive *Candida auris* Fungemia in Turkey**  
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- VIII. **Hydroxychloroquine-Associated Hypoglycemia in Hemodialysis Patients With COVID-19**  
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- IX. **Diagnosing acute brain dysfunction due to sepsis**  
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- X. **Neuroimaging Findings in Sepsis-Induced Brain Dysfunction: Association with Clinical and Laboratory Findings**  
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- XIII. **Neuroprotective effects of intravenous immunoglobulin are mediated through inhibition of complement activation and apoptosis in a rat model of sepsis**  
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INTENSIVE CARE MEDICINE, vol.5, no.1, pp.1, 2016 (SCI-Expanded)
- XIV. **36th International Symposium on Intensive Care and Emergency Medicine: Brussels, Belgium. 15-18 March 2016.**  
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- XVIII. **Intravenous immunoglobulins prevent the breakdown of the blood-brain barrier in experimentally induced sepsis**  
Esen F., Senturk E., Ozcan P. E., Ahishali B., Arican N., Orhan N., Ekizoglu O., Kucuk M., Kaya M.  
CRITICAL CARE MEDICINE, vol.40, no.4, pp.1214-1220, 2012 (SCI-Expanded)
- XIX. **TREATMENT OF LIVER FAILURE DUE TO MUSHROOM POISONING WITH TWO EXTRACORPOREAL LIVER SUPPORT SYSTEMS**  
Şentürk E., Esen F., Ozcan P. E., Cakar N., Orhun G., Telei L.  
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- XX. **The Treatment of Acute Liver Failure with Fractionated Plasma Separation and Adsorption System: Experience in 85 Applications**  
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- XXI. **Role of magnesium sulfate in postoperative pain management for patients undergoing thoracotomy**  
Ozcan P., Tugrul S., Senturk M., Uludag E., Cakar N., Telci L., Esen F.  
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- XXII. **The effects of airway pressure and inspiratory time on bacterial translocation**  
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- XXIII. **Risk factors for mortality of nosocomial bacteraemia in intensive care units**  
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- XXIV. **Intrathecal colistin for treatment of Pseudomonas aeruginosa ventriculitis: report of a case with successful outcome**  
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- XXVII. **Time required for equilibration of arterial oxygen pressure after setting optimal positive end-expiratory pressure in acute respiratory distress syndrome**  
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- XXVIII. **Effect of magnesium sulfate administration on blood-brain barrier in a rat model of intraperitoneal sepsis: a randomized controlled experimental study**  
Esen F., Erdem T. L., Aktan D., Orhan M., Kaya M., Eraksoy H., Cakar N., Telci L.  
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- XXIX. **Effect of Magnesium Sulfate Administration on Blood-Brain Barrier in a Rat Model of Intraperitoneal Sepsis: A Randomized Controlled Experimental Study**  
Esen F., Erdem T., Aktan D., Orhan Sungur M., Kaya M., Eraksoy Ö. H., Çakar N., Telci L.  
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- XXX. **The effects of energy restricted diet on the activities of plasma Cu-ZnSOD, GSH-Px, CAT and TBARS concentrations in late pregnant ewes**  
Oztabak K. Ö., Civelek S., Ozpınar A., Burcak G., Esen F.  
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- XXXI. **Comment on: "Safety of percutaneous dilational tracheostomy in patients ventilated with high positive end-expiratory pressure"**

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INTENSIVE CARE MEDICINE, vol.29, no.7, pp.1190, 2003 (SCI-Expanded)
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- XXXV. **Mekanik Ventilasyonun oluşturduğu akciğer hasarında hiperkarbinin koruyucu rolü**  
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- XL. **The effects of IgM-enriched immunoglobulin preparations in patients with severe sepsis [ISRCTN28863830]**  
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- XLI. **Kritik hastada jejunal beslenme etkin midir?**  
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- XLII. **Recruitment maneuver: Does it promote bacterial translocation?**  
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- XLIV. **Effect of mechanical ventilation strategies including recruitment maneuver on ventilator-induced lung injury**  
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- XLVI. **Time required for partial pressure of arterial oxygen equilibration during mechanical ventilation after a step change in fractional inspired oxygen concentration**

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- XLVII. **Yoğun Bakımda HELLP Sendromu: 25 olgunun analizi**  
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- LII. **Comparison of pressure- and flow-triggered pressure-support ventilation on weaning parameters in patients recovering from acute respiratory failure**  
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- LIII. **Effects of volume controlled ventilation with PEEP, pressure regulated volume controlled ventilation and low frequency positive pressure ventilation with extracorporeal carbon dioxide removal on total static lung compliance and oxygenation in pigs with ARDS**  
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- LIV. **RESPIRATORY AND HEMODYNAMIC-EFFECTS OF CONVENTIONAL VOLUME CONTROLLED PEEP VENTILATION, PRESSURE REGULATED VOLUME CONTROLLED VENTILATION AND LOW-FREQUENCY POSITIVE PRESSURE VENTILATION WITH EXTRACORPOREAL CARBON-DIOXIDE REMOVAL IN PIGS WITH ACUTE ARDS**  
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- I. **The Prognostic Value of Antithrombin Levels in COVID- 19 Patients on Intensive Care Unit Admission**  
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- II. **Thrombotic Events Related to Extracorporeal Membrane Oxygenation in COVID-19- Associated Severe Acute Respiratory Distress Syndrome**  
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- III. **COVID-19 ARDS Patients Successfully Extubated to Extubated to High-Flow Nasal Cannula Oxygen Therapy: A Retrospective Analysis**

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- VI. **Effect of Heart Rate Control on Oxygenation and Vasopressor Need in Sepsis and Septic Shock-A Pilot Randomised Controlled Study**  
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- X. **The Unknown Miracle of the Forgotten Element: "Magnesium and Immunity"**  
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- XII. **Kritik Hastalıkta Akut Beyin Disfonksiyonunun Monitorizasyonu**  
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- XIII. **Sedasyon Altındaki Yoğun Bakım Hastalarında Magnezyum Düzeyleri ve Deliryum Gelişmesi Üzerine Olan Etkileri**  
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- XVI. **Akut böbrek hasarlı sepsis olgularında RIFLE kriterlerinin mortalite ve morbiditeye prognostik etkisi**  
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## Refereed Congress / Symposium Publications in Proceedings

- I. **COMPARISON OF CANDIDA COLONIZATION IN INTENSIVE CARE UNIT PATIENTS WITH AND WITHOUT COVID-19: FIRST PROSPECTIVE COHORT STUDY FROM TURKEY**  
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- II. **Preliminary Criteria for Macrophage Activation Syndrome Associated with Coronavirus Disease-19**  
Amikishiyev S., Günver M. G., Bektaş M., Aghamuradov S., İnce B., Koca N., Torun E. S., Aliyeva N., Sarı S., Çetin Ç., et al.

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- III. **Potential Predictors of Outcome for Anakinra Treatment in COVID-19 Patients with Macrophage Activation Syndrome**  
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- IV. **Effects of intravenous immunoglobulin (IVIG) on the course of severe COVID-19: results from a retrospective data analysis of a patient cohort in Turkey treated with or without Octagam®.**  
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- V. **COVID-19 ARDS hastalarında yüksek akımlı nazal oksijen tedavisine ekstübasyon başarısının retrospektif olarak değerlendirilmesi**  
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- VI. **COVID-19 hastalarında cinsiyetin inflamatuvar belirteçlere etkisi**  
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- X. **Association between inflammatory markers and cognitive outcome in patients with acute brain dysfunction due to sepsis**  
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- XI. **Brain magnetic resonance imaging findings in patients with septic shock**  
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- XVI. **Deneysel Sepsis Modelinde Kan-Beyin Bariyeri Üzerine İmmünoglobülin Etkisi.**  
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- XXI. **Tek taraflı Akciğer Hasarında Optimal Ventilasyon Stratejisi**  
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- XXII. **Best Ventilatory Strategy in Unilateral Lung Injury**  
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- XXVI. **Radikal prostatektomilerde epidural anestezinin derin ven trombozu insidansına etkisi**  
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**XXVIII. Extracorporeal oxygenation**

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**XXIX. Pulmonary mechanics during laparoscopic surgery**

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**XXX. Assessment of pressure-volume curve of the respiratory system in mechanically ventilated patients with ARDS**

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## Supported Projects

ESEN F., TÜZÜN E., YILMAZ V., ULUSOY C. A., ERGİN ÖZCAN P., ORHUN G., CANBAZ M., YEŞİLOVA O., Project Supported by Higher Education Institutions, Deneysel sepsis modelinde intravenöz immunglobulin uygulamasının inflamasyon ve otofaji belirteçleri üzerine etkilerinin böbrek dokusunda değerlendirilmesi, 2022 - 2024

ESEN F., AYDIN A. F., ORHUN G., CANBAZ M., Project Supported by Higher Education Institutions, Yoğun Bakım Ünitesindeki Sepsis Hastalarında Hastalık Şiddetini ve Akut Böbrek Hasarını Öngörmek için Kullanılabilecek Aday Biyobelirteçlerin Değerlendirilmesi Observasyonel Çalışma, 2022 - 2024

ORHUN G., ESEN F., Project Supported by Higher Education Institutions, Ağır sepsisin yoğun bakım sonrası uzun dönem kalıcı kognitif fonksiyon bozuklukları ve Alzheimer hastalığı gelişimindeki rolü, 2013 - 2017

## Activities in Scientific Journals

Türk Yoğun Bakım Derneği Dergisi, First Editor, 2014 - Continues

## Metrics

Publication: 115

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H-Index (Scopus): 19