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Education Information

Expertise In Medicine, Dokuz Eylul University, Faculty Of Medicine, Department Of Internal Medicine, Turkey 1996 - 1998

Expertise In Medicine, Fırat University, School Of Medicine, Department Of Internal Medicine, Turkey 1994 - 1996

Undergraduate, Anadolu University, School Of Medicine, Turkey 1986 - 1992

Dissertations

Expertise In Medicine, Travma hastalarının triaj travma skorları ile değerlendirilmesi, Dokuz Eylul University, Faculty Of Medicine, Department Of Internal Medicine, 1998

Research Areas

Emergency Medicine

Academic Titles / Tasks

Professor, Kocaeli University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2013 - Continues

Associate Professor, Kocaeli University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2007 - 2013

Assistant Professor, Fırat University, School Of Medicine, Department Of Internal Medicine, 1999 - 2003

Research Assistant, Dokuz Eylul University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1996 - 1998

Research Assistant, Fırat University, School Of Medicine, Department Of Internal Medicine, 1994 - 1996

Academic and Administrative Experience

Kocaeli Üniversitesi, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2003 - Continues

Fırat Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1999 - 2003

Supervised Theses

Pekdemir M., Acil servise başvuran künt travmalı çocuk hastalarda tüm vücut bilgisayarlı tomografi (TVBT) görüntüleme yapılmasının seçici bilgisayarlı tomografi (SBT) görüntüleme yapılmasına göre kötü sonlanıma etkisi, Expertise In Medicine, İ.ÖZÇALİMLİ(Student), 2021

Pekdemir M., Acil servise başvuran akut kalp yetmezliği hastalarının acil servis tedavilerinde CO2 değerlerindeki değişimin (delta CO2) araştırılması, Expertise In Medicine, D.FEREK(Student), 2020

Pekdemir M., Pasif bacak kaldırma manevrası sonrası sıvı yanıtılığını değerlendirmede end-tidal karbondioksit, kardiyak output ve vena cava kollabilite indeksi değişiminin araştırılması, Expertise In Medicine, S.GÜNEY(Student), 2018

Pekdemir M., Acil servise başvuran enfeksiyon şüphesi olan hastalarda QSOFA, SIRS ve QSOFA ile SIRS kriterlerinin beraber kullanımının kötü sonlanım belirlemede prediktif değerlilikleri, Expertise In Medicine, O.YEŞİL(Student), 2018

PEKDEMİR M., Acil servise başvuran kanser hastalarının klinik karakteristikleri ve aciliyet durumlarının değerlendirilmesi, Expertise In Medicine, İ.ERDEM(Student), 2017

PEKDEMİR M., "Kan Bağışı Yapan Erişkinlerde Vasküler Hacim Değişiminin Pletismografik Olarak İzlenmesi", Expertise In Medicine, A.TOMO(Student), 2016

PEKDEMİR M., Acil servise akut ağrı sebebiyle başvuran hastalarda anksiyete düzeyindeki değişimin ağrı algısına etkisinin belirlenmesi, Expertise In Medicine, A.ENES(Student), 2014

Pekdemir M., Deneysel Malathion Zehirlenmesi Tedavisinde İntravenöz Lipid Emülsiyon Solüsyonunun Etkilerinin Araştırılması, Expertise In Medicine, D.Tarık(Student), 2013

PEKDEMİR M., Acil servise başvuran pulmoner emboli şüpheli hastalarda non-invaziv end-tidal karbondioksit ölçümünün tanısal değeri, Expertise In Medicine, M.YÜKSEL(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluating the prognostic value of DECAF score and procalcitonin in patients with COPD exacerbation**
Candemir Ergene G., DOĞAN N. Ö., Ergül T., ÖZTURAN İ. U., PEKDEMİR M., YAKA E., YILMAZ S.
American Journal of Emergency Medicine, vol.90, pp.23-30, 2025 (SCI-Expanded)
- II. **External Validation of Vision, Aphasia and Neglect, Ventura Emergent Large Vessel Occlusion and Large Artery Intracranial Occlusion Screening Tools for Emergent Large Vessel Occlusion Stroke: A Multicenter, Prospective, Cross-Sectional Study**
ÖZTURAN İ. U., Emir D. F., Karadaş A., Özturan C. A., Durmuş U., DOĞAN N. Ö., Yaka E., Yılmaz S., PEKDEMİR M.
Journal of Emergency Medicine, vol.68, pp.15-24, 2025 (SCI-Expanded)
- III. **Comparison of Bedside Index for Severity in Acute Pancreatitis and Emergency Department SpO₂, Age and Systemic Inflammatory Response Syndrome Scores in Predicting Severe Acute Pancreatitis in Patients with Acute Pancreatitis in the Emergency Department**
Şefoğlu Ö. F., Yaka E., Pekdemir M., Yılmaz S., Özturan İ. U., Doğan N. Ö.
JOURNAL OF EMERGENCY MEDICINE, vol.67, no.1, 2024 (SCI-Expanded)
- IV. **Prognostic value of early warning scores in patients presenting to the emergency department with exacerbation of COPD**
Doğan N. Ö., Özturan İ. U., Pekdemir M., Yaka E., Yılmaz S.
MEDIZINISCHE KLINIK-INTENSIVMEDIZIN UND NOTFALLMEDIZIN, vol.119, no.2, pp.129-135, 2024 (SCI-Expanded)
- V. **Relationship between clinical anxiety and patient outcomes in patients with chronic obstructive lung disease exacerbation in the emergency department**
YALDIZKAYA M. F., DOĞAN N. Ö., ÖZTURAN İ. U., YAKA E., YILMAZ S., PEKDEMİR M.
MEDIZINISCHE KLINIK-INTENSIVMEDIZIN UND NOTFALLMEDIZIN, vol.118, no.3, pp.236-241, 2023 (SCI-Expanded)
- VI. **Performance of qSOFA, SIRS, and the qSOFA plus SIRS combinations for predicting 30-day adverse outcomes in patients with suspected infection**
Yeşil O., Pekdemir M., Özturan İ. U., Doğan N. Ö., Yaka E., Yılmaz S., Karadaş A., Pinar S. G.
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- VII. **Predictors of prolonged hospitalization in patients with mild and moderate pancreatitis presenting to the emergency department**
Kockan E., Doğan N. Ö., Pekdemir M., Yılmaz S., Yaka E.
MEDIZINISCHE KLINIK-INTENSIVMEDIZIN UND NOTFALLMEDIZIN, vol.117, no.6, pp.459-465, 2022 (SCI-Expanded)
- VIII. **Comparison of PECARN clinical decision rule and clinician suspicion in predicting intra-abdominal injury in children with blunt torso trauma in the emergency department**
Caylak S. T., YAKA E., YILMAZ S., DOĞAN N. Ö., ÖZTURAN İ. U., PEKDEMİR M.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.28, no.4, pp.529-536, 2022 (SCI-Expanded)
- IX. **Assessment of end-tidal carbon dioxide and vena cava collapsibility in volume responsiveness in spontaneously breathing patients**
Guney Pinar S., Pekdemir M., Ozturan İ. U., Dogan N. Ö., Yaka E., Yilmaz S., Karadas A., Ferek Emir D.
MEDIZINISCHE KLINIK-INTENSIVMEDIZIN UND NOTFALLMEDIZIN, vol.117, no.1, pp.34-40, 2022 (SCI-Expanded)
- X. **Early Detection of Mortality in COVID-19 Patients Through Laboratory Findings with Factor Analysis and Artificial Neural Networks**
ÖĞÜTCÜ S., İNAL M. M., çelikhası c., YILDIZ U., DOĞAN N. Ö., PEKDEMİR M.
ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, vol.25, no.3-4, pp.290-302, 2022 (SCI-Expanded)
- XI. **Performance of bedside lung ultrasound in emergency (BLUE) protocol in the diagnosis of pneumonia**
Karademir D., Yılmaz S., Özturan İ. U., Doğan N. Ö., Yaka E., Pekdemir M.
NOTFALL & RETTUNGSMEDIZIN, vol.24, no.SUPPL 1, pp.9-14, 2021 (SCI-Expanded)
- XII. **Clinical characteristics of neutrophilic, eosinophilic and mixed-type exacerbation phenotypes of COPD**
Kandemir Y., Doğan N. Ö., Yaka E., Pekdemir M., Yılmaz S.
AMERICAN JOURNAL OF EMERGENCY MEDICINE, pp.237-241, 2021 (SCI-Expanded)
- XIII. **A randomized controlled trial of the effects of local tranexamic acid on mortality, rebleeding, and recurrent endoscopy need in patients with upper gastrointestinal hemorrhage**
Karadaş A., Doğan N. Ö., Pinar S., Yeşil O., Pekdemir M., Yılmaz S., Yaka E.
EUROPEAN JOURNAL OF GASTROENTEROLOGY & HEPATOLOGY, vol.32, no.1, pp.26-31, 2020 (SCI-Expanded)
- XIV. **Utility of neutrophil gelatinase-associated lipocalin in the management of acute kidney injury: A prospective, observational study**
Isikkent A., Yılmaz S., Ozturan İ. U., Doğan N. Ö., Yaka E., Gultekin H., Kum T., Pekdemir M.
HONG KONG JOURNAL OF EMERGENCY MEDICINE, vol.27, no.1, pp.8-14, 2020 (SCI-Expanded)
- XV. **Determination of carboxyhemoglobin half-life in patients with carbon monoxide toxicity treated with high flow nasal cannula oxygen therapy**
Ozturan İ. U., Yaka E., Suner S., Ozbek A. E., Alyesil C., Doğan N. Ö., Yılmaz S., Pekdemir M.
CLINICAL TOXICOLOGY, vol.57, no.7, pp.617-623, 2019 (SCI-Expanded)
- XVI. **Intravenous metoclopramide in the treatment of acute migraines: A randomized, placebo-controlled trial**
Doğan N. Ö., Pekdemir M., Yılmaz S., Yaka E., Karadas A., Durmus U., Avcu N., Koçkan E.
ACTA NEUROLOGICA SCANDINAVICA, vol.139, no.4, pp.334-339, 2019 (SCI-Expanded)
- XVII. **Role of Electrocardiographic Manifestations in Admission Decision in Patients with Chronic Obstructive Pulmonary Disease Exacerbation**
Doğan N. Ö., Pekdemir M., Yılmaz S., Yaka E., Avcu N., Durmus U., Koçkan E., Karadas A.
JCPS-P JOURNAL OF THE COLLEGE OF PHYSICIANS AND SURGEONS PAKISTAN, vol.29, no.2, pp.109-114, 2019 (SCI-Expanded)
- XVIII. **The value of lactate clearance in admission decisions of patients with acute exacerbation of COPD**
Durmuş U., Doğan N. Ö., Pekdemir M., Yılmaz S., Yaka E., Karadas A., Pinar S. G.

- AMERICAN JOURNAL OF EMERGENCY MEDICINE, vol.36, no.6, pp.972-976, 2018 (SCI-Expanded)
- XIX. **Evaluation of the Diagnostic Role of Bedside Lung Ultrasonography in Patients with Suspected Pulmonary Embolism in the Emergency Department**
Acar H., Yılmaz S., Yaka E., Doğan N. Ö., Özbek A. E., Pekdemir M.
BALKAN MEDICAL JOURNAL, vol.34, no.4, pp.356-361, 2017 (SCI-Expanded)
- XX. **Intranasal Lidocaine in Acute Treatment of Migraine: A Randomized Controlled Trial**
Avcu N., Doğan N. Ö., Pekdemir M., Yaka E., Yılmaz S., Alyeşil C., Akalin L. E.
ANNALS OF EMERGENCY MEDICINE, vol.69, no.6, pp.743-751, 2017 (SCI-Expanded)
- XXI. **Comparison of loop and primary incision & drainage techniques in adult patients with cutaneous abscess: A preliminary, randomized clinical trial**
Ozturan I. U., Doğan N. Ö., Karakayali O., Ozbek A. E., Yılmaz S., Pekdemir M., Suner S.
AMERICAN JOURNAL OF EMERGENCY MEDICINE, vol.35, no.6, pp.830-834, 2017 (SCI-Expanded)
- XXII. **Diagnostic accuracy of noninvasive end-tidal carbon dioxide measurement in emergency department patients with suspected pulmonary embolism⁸⁴⁻⁹⁰**
Yüksel M., Pekdemir M., Yılmaz S., Yaka E., Kartal A. G.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.46, no.1, pp.84-90, 2016 (SCI-Expanded)
- XXIII. **Comparison of the therapeutic efficacy of intravenous dimenhydrinate and intravenous piracetam in patients with vertigo: a randomised clinical trial**
Doğan N. Ö., Avcu N., Yaka E., Yılmaz S., Pekdemir M.
EMERGENCY MEDICINE JOURNAL, vol.32, no.7, pp.520-524, 2015 (SCI-Expanded)
- XXIV. **Inter-rater reliability and validity of the Ministry of Health of Turkey's mandatory emergency triage instrument**
Erimsah M. E., Yaka E., Yılmaz S., Kama A., Pekdemir M.
EMERGENCY MEDICINE AUSTRALASIA, vol.27, no.3, pp.210-215, 2015 (SCI-Expanded)
- XXV. **COMPLIANCE WITH THE INFECTIOUS DISEASES SOCIETY OF AMERICA GUIDELINES FOR EMERGENCY MANAGEMENT OF FEBRILE NEUTROPENIA IN CANCER PATIENTS**
Akalin L. E., Yaka E., Yılmaz S., Doğan N. Ö., Avcu N., Pekdemir M.
ACTA MEDICA MEDITERRANEA, vol.31, no.4, pp.785-792, 2015 (SCI-Expanded)
- XXVI. **Comparison of the Glasgow-Blatchford and AIMS65 Scoring Systems for Risk Stratification in Upper Gastrointestinal Bleeding in the Emergency Department**
Yaka E., Yılmaz S., Doğan N. Ö., Pekdemir M.
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- XXVII. **Diagnostic Value of S100B Protein in the Differential Diagnosis of Acute Vertigo in the Emergency Department**
Kartal A. G., Yılmaz S., Yaka E., Pekdemir M., Sarısoy H. T., Çekmen M. B., Yüksel M.
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- XXVIII. **Comparison of Short-term Infusion Regimens of N-Acetylcysteine Plus Intravenous Fluids, Sodium Bicarbonate Plus Intravenous Fluids, and Intravenous Fluids Alone for Prevention of Contrast-induced Nephropathy in the Emergency Department**
Kama A., Yılmaz S., Yaka E., Dervişoğlu E., Doğan N. Ö., Erimsah E., Pekdemir M.
ACADEMIC EMERGENCY MEDICINE, vol.21, no.6, pp.616-622, 2014 (SCI-Expanded)
- XXIX. **ASYMPTOMATIC CHRONIC EPIDURAL HEMATOMA IN A CHILD AS A RESULT OF EXTRACRANIAL DECOMPRESSION**
Yaka E., Pekdemir M., Kama A., Sarısoy H. T., Yılmaz S.
JOURNAL OF EMERGENCY MEDICINE, vol.46, no.4, pp.482-485, 2014 (SCI-Expanded)
- XXX. **Altered mental status in emergency department patients with cancer**
Yaka E., Kaya S., Pekdemir M., Yılmaz S., Uygun K., Kama A.
HONG KONG JOURNAL OF EMERGENCY MEDICINE, vol.21, no.1, pp.10-15, 2014 (SCI-Expanded)
- XXXI. **Disparity Between Mainstream and Sidestream End-Tidal Carbon Dioxide Values and Arterial Carbon Dioxide Levels**
Pekdemir M., Çınar O., Yılmaz S., Yaka E., Yüksel M.

- RESPIRATORY CARE, vol.58, pp.1152-1156, 2013 (SCI-Expanded)
- XXXII. **Difficulties in management of occupational exposure in our country: A case report**
Yılmaz S., Pekdemir M., Yaka E.
Turkiye Acil Tip Dergisi, vol.12, no.2, pp.96-98, 2012 (SCI-Expanded)
- XXXIII. **A multicenter case-control study of diagnostic tests for urinary tract infection in the presence of urolithiasis**
Yılmaz S., Pekdemir M., Aksu N. M., Koyuncu N., Cinar O.
UROLOGICAL RESEARCH, vol.40, no.1, pp.61-65, 2012 (SCI-Expanded)
- XXXIV. **Comparison of alprazolam versus captopril in high blood pressure: A randomized controlled trial**
Yılmaz S., Pekdemir M., Tural U., Uygun M.
BLOOD PRESSURE, vol.20, no.4, pp.239-243, 2011 (SCI-Expanded)
- XXXV. **The Diagnostic Value of Ischemia-modified Albumin in a Rat Model of Acute Mesenteric Ischemia**
Uygun M., Yılmaz S., Pekdemir M., Duman C., Guerbuez Y. S.
ACADEMIC EMERGENCY MEDICINE, vol.18, no.4, pp.355-359, 2011 (SCI-Expanded)
- XXXVI. **Post-traumatic cerebral infarction: a rare complication in a pediatric patient after mild head injury**
Yılmaz S., Pekdemir M., Sarısoy H. T., Yaka E.
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.17, no.2, pp.186-188, 2011 (SCI-Expanded)
- XXXVII. **Comparison effectiveness of fosfomysin trometamol and ciprofloxacin in treating uncomplicated urinary tract infections Akut Nonkomplike Alt Üriner Sistem Enfeksiyonu Olan Hastalarda Fosfomisin-Trometamol ve Siprofloksasinin Etkinliğinin Karşılaştırılması**
Özcan L., Yılmaz S., Pekdemir M., Yaka E.
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- XXXVIII. **Assessment of emergency department patients' knowledge on oral anticoagulation therapy Acil Servis Hastalarında Oral Antikoagülan Tedavi Bilgi Düzeylerinin Araştırılması**
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- XXXIX. **NO SIGNIFICANT ALTERATION IN ADMISSIONS TO EMERGENCY DEPARTMENTS DURING RAMADAN**
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JOURNAL OF EMERGENCY MEDICINE, vol.38, no.2, pp.253-256, 2010 (SCI-Expanded)
- XL. **A rare cause of headache: cerebral venous sinus thrombosis due to hyperthyroidism**
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AMERICAN JOURNAL OF EMERGENCY MEDICINE, vol.26, no.3, 2008 (SCI-Expanded)
- XLI. **Effective treatment of hereditary angioedema with fresh frozen plasma in an emergency department**
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- XLII. **Single-dose intravenous tramadol for acute migraine pain in adults: A single-blind, prospective, randomized, placebo-controlled clinical trial**
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CLINICAL THERAPEUTICS, vol.29, no.7, pp.1441-1447, 2007 (SCI-Expanded)
- XLIII. **The value of serum tau protein for the diagnosis of intracranial injury in minor head trauma**
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AMERICAN JOURNAL OF EMERGENCY MEDICINE, vol.25, no.4, pp.391-395, 2007 (SCI-Expanded)
- XLIV. **An unusual primary blast injury - Traumatic brain injury due to primary blast injury**
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AMERICAN JOURNAL OF EMERGENCY MEDICINE, vol.25, no.1, pp.97-98, 2007 (SCI-Expanded)
- XLV. **The diagnostic value of QT dispersion for acute coronary syndrome in patients presenting with chest pain and nondiagnostic initial electrocardiograms**
Pekdemir M., Karaca I., Cevik Y., Yanturalı S., İlkay E.
MOUNT SINAI JOURNAL OF MEDICINE, vol.73, no.5, pp.813-817, 2006 (SCI-Expanded)
- XLVI. **More than just an ocular solution**

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- XLVIII. **Acute anticholinergic syndrome due to Datura innoxia Miller mixed with lime tea leaves**
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- L. **Evaluation of physical findings in acute wrist trauma in the emergency department.**
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- LI. **Appropriateness of emergency department visits in a Turkish university hospital**
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- LII. **Atorvastatin affects C-reactive protein levels in patients with coronary artery disease**
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- LIII. **Ondansetron versus diclofenac sodium in the treatment of acute ureteral colic: A double blind controlled trial**
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- LIV. **Magnesium efficacy in magnesium deficient and nondeficient patients with rapid ventricular response atrial fibrillation.**
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Articles Published in Other Journals

- I. **Prognostic Value of Jugular Venous Diameters and Compliance in Patients with Exacerbation of Chronic Obstructive Pulmonary Disease**
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- II. **Comparison of dental force applied during endotracheal intubation with hyper-angulated and macintosh-type video laryngoscopy blades used by emergency medicine trainees: A randomized cross-over manikin study**
Karabacak A. R., Özturan İ. U., Şefoğlu Ö. F., Doğan N. Ö., Yaka E., Yılmaz S., Pekdemir M.
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- III. **Prospective, multicenter, Turkish out-of-hospital cardiac arrest study: TROHCA**
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- IV. **Adherence to Clinical Practice Guidelines for Non-ST Elevation Acute Coronary Syndrome in the Emergency Department: Exploring the Role of Social, Healthcare-system, and Clinical Determinants.**

Işık A. K., Özturan İ. U., Pekdemir M., Doğan N. Ö., Yaka E., Yılmaz S.

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- V. **Determination of the Effects of Change in Anxiety Level on Pain Perception in Patients who Present to Emergency Department due to Acute Pain: A Double Blind, Randomized, Controlled Trial**
ÖZBEK A. E., PEKDEMİR M., Tomo A., ACAR H., Tural Ü.
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- VI. **Utilization of Partial Carbon Dioxide and Serum Total Carbon Dioxide Gradients in the Emergency Care of Acute Decompensated Heart Failure**
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SN COMPREHENSIVE CLINICAL MEDICINE, vol.4, no.1, pp.1-8, 2022 (Peer-Reviewed Journal)
- VII. **5-YEAR RETROSPECTIVE ANALYSIS OF AMBULANCE DRIVING TECHNIQUES TRAINING FOR PARAMEDIC STUDENTS**
Arsal Yıldırım S., Mert S., Pekdemir M.
Hastane Öncesi Dergisi, vol.6, no.1, pp.51-68, 2021 (Peer-Reviewed Journal)
- VIII. **Use of noninvasive volume assessment methods to predict acute blood loss in spontaneously breathing volunteers**
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CLINICAL AND EXPERIMENTAL EMERGENCY MEDICINE, vol.8, no.1, pp.9-15, 2021 (ESCI)
- IX. **Prediction of Mortality, Hospitalization and Mechanical Ventilation Needs of Patients with Pneumonia in COVID-19 Outbreak**
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