

# Curriculum Vitae

**Name:** Mehrdad Esmailian

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**Workplace:** Alzahra General Hospital and Kashani Hospital (Trauma Center), School of Medicine, Isfahan, Iran

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## PERSONAL INFORMATION

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Date of birth, Marital statues:

- **Birth Date:** 16 Aug 1978
- **Marital status:** Married

## EDUCATION

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Most recent

Date, Degree/Course, Department/University, Dissertation title

- **2006-2009:** Specialized Doctorate Degree in Emergency Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran  
**Thesis Title:** "Assessment of Hospital Disaster and Non-Operational Defense Maneuver Performed in Imam Hossain Hospital"
- **1997-2004:** Doctorate Degree of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- **Thesis Title:** "Causes of Morbidity and Mortality of Neonates in Shahid Beheshti Medical University Hospitals"

## GRANTS AND FELLOWSHIPS

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Date, Name, Significant info. Amount

## RESEARCH EXPERIENCE

Date, Title, University/organization, Description

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- Member of the Emergency Medicine Department, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran; since 2009
- Member of the Consultants Team of Iranian Journal of Emergency Medicine, Shahid-Beheshti University of Medical Sciences, Tehran, Iran; since 2014

## TEACHING EXPERIENCE

Dates, Title, University/organization, Course/s taught, description of duties

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- Member of Boards of Examiners for the Specialty Board of Emergency Medicine, Ministry of Health and Medical Education, Tehran, Iran; since 2012
- Family Medicine Resident's Instructor at Isfahan University of Medical Sciences, Isfahan, Iran; 2013-2016
- Head of Emergency Medicine Residents academic affairs, School of Medicine, Isfahan University of Medical, Isfahan, Iran; 2015-2022

## RELEVANT WORK EXPERIENCE

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Dates, Title, University/organization, Description

### 2009- Present

**Employer:** Alzahra General Hospital and Kashani Hospital (Trauma Center), School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

**Position:** Chairman of Emergency Medicine Department

### 2010-2015

**Employer:** Alzahra General Hospital, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

**Position:** Head of Alzahra Hospital Emergency Department

### 2019- 2023

**Employer:** School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

**Position:** Treatment Manager of Isfahan School of Medicine

## **UNIVERSITY SERVICE**

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Dates, University/organization, Description

- Treatment Manager of Alzahra General Hospital, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran; 2010-2015
- Head of Alzahra Hospital Emergency Department, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran; 2010-2015
- Member of Boards of Examiners for the Specialty Board of Emergency Medicine, Ministry of Health and Medical Education, Tehran, Iran; since 2012
- Family Medicine Resident's Instructor at Isfahan University of Medical Sciences, Isfahan, Iran; 2013-2016
- Treatment Manager of Kashani Hospital, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran; 2015-2017
- Head of Emergency Medicine Residents academic affairs, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran; 2015-2022
- Treatment Manager of Isfahan School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran; 2019-2023

## **PUBLICATIONS**

Bibliographic format

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### **Books**

#### **Original in Persian Language:**

- Emergency Procedures, Respiratory System. Isfahan, 2013 (148 pp).
- Handbook of Emergency Medicine. Isfahan, 2018 (210 pp).

#### **Translation from English to Persian Language:**

- Practical Teaching in Emergency Medicine. 2010 (312 pp).
- Workbook for Advanced EMT. 2016 (1480 pp).

## **Journal Papers**

1. Inter-rater agreement of emergency nurses and physicians in Emergency Severity Index (ESI) Triage, *Emergency*, 2014, M Esmailian, M Zamani, F Azadi, F Ghasemi
2. Comparison of intravenous ketamine with morphine in pain relief of long bones fractures: a double blind randomized clinical trial, *Emergency*, 2014, S Majidinejad, M Esmailian, M Emadi
3. Cause and final outcome of trauma in patients referred to the emergency department: a cross sectional study, *Iranian journal of emergency medicine*, 2014, M Zamani, M Esmailian, MS Mirazimi, M Ebrahimian, K Golshani
4. Comparison of the analgesic effect of intravenous acetaminophen and morphine sulfate in rib fracture; a randomized double-blind clinical trial, *Emergency*, 2015, M Esmailian, R Moshiri, M Zamani
5. Metoclopramide versus sumatriptan for treatment of migraine headache: A randomized clinical trial, *Journal of Research in Medical Sciences*, 2013, S Talabi, B Masoumi, R Azizkhani, M Esmailian
6. QT interval in pregnant and non-pregnant women, *Emergency*, 2014, M Zamani, M Esmailian, Z Yoosefian
7. The quality of patients' files documentation in Emergency Department; a cross sectional study, *Iranian Journal of Emergency Medicine*, 2014, M Esmailian, M Nasr-Esfahani, A Brahimi
8. The effect of low-dose ketamine in treating acute asthma attack; a randomized clinical trial, *Emergency*, 2018, M Esmailian, MK Esfahani, F Heydari
9. Oral midazolam-ketamine versus midazolam alone for procedural sedation of children undergoing computed tomography; a randomized clinical trial, *Emergency*, 2015, S Majidinejad, K Taherian, M Esmailian, M Khazaei, V Samaie
10. Comparing the antiemetic effects of ondansetron and metoclopramide in patients with minor head trauma, *Emergency*, 2015, M Zamani, B Namdar, R Azizkhani, O Ahmadi, M Esmailian
11. Accuracy of ultrasonography in confirmation of adequate reduction of distal radius fractures, *Emergency*, 2013, M Esmailian, EH Zargarbashi, B Masoumi, M Karami
12. Diagnostic accuracy of ultrasonography in the initial evaluation of patients with penetrating chest trauma, *Emergency*, 2014, F Heydari, M Esmailian, M Dehghanniri
13. Causes of prolonged length of stay for patients referred to the emergency department; a cross-sectional study, *Iran J Emerg Med*, 2014, M Nasr-Esfahani, M Esmailian, M Nasri
14. Reverse triage to increase the hospital surge capacity in disaster response, *Advanced journal of emergency medicine*, 2018, M Esmailian, MH Salehnia, M Shirani, F Heydari

15. Synergistic effects of citalopram and morphine in the renal colic pain relief; a randomized clinical trial, *Emergency*, 2014, M Esmailian, M Keshavarz
16. The effect of implementation of the standard clinical practice guideline (CPG) for management of multiple trauma patients admitted to an emergency department, *Advanced journal of emergency medicine*, 2018, F Heydari, MH Maghami, M Esmailian, M Zamani
17. Comparison of haloperidol and midazolam in restless management of patients referred to the Emergency Department: A double-blinded, randomized clinical trial, *Journal of Research in Medical Sciences*, 2015, M Esmailian, O Ahmadi, M Taheri, M Zamani
18. Comparison of the effects of dexmedetomidine and propofol in reducing recovery agitation in pediatric patients after ketamine procedural sedation in emergency department, *Journal of Research in Medical Sciences*, 2021, R Azizkhani, S Kouhestani, F Heydari, M Esmailian, A Feizi, BK Gourtani, ...
19. Rectal thiopental versus intramuscular ketamine in pediatric procedural sedation and analgesia; a randomized clinical trial, *Emergency*, 2015, R Azizkhani, M Esmailian, K Golshani
20. Saline flush versus chest x ray in confirmation of central venous catheter placement; a diagnostic accuracy study, *Emergency*, 2017, M Esmailian, R Azizkhani, N Najafi
21. Correlation of Patients' Baseline Characteristics with Success Rate of Cardiopulmonary Resuscitation; a Cross-Sectional Study, *Advanced Journal of Emergency Medicine*, 2019, E Hajzargarbashi, E Omid, M Esmailian
22. Waiting time for specialist consultation and visit requested in the emergency department; a cross-sectional study, *Advanced Journal of Emergency Medicine*, 2019, E Hajzargarbashi, R Rashedi, S Pourafzali, M Esmailian
23. Comparison of wound tape and suture wounds on traumatic wounds' scar, *Advanced Biomedical Research*, 2018, M Esmailian, R Azizkhani, A Jangjoo, M Nasr, S Nemati
24. Brachial artery aneurysm as a limb threatening condition: A case report, *Emergency*, 2015, F Heydari, M Taheri, M Esmailian
25. Effect of Implementation of Standard Clinical Practice Guideline on Management of Gastrointestinal Bleeding Patients in Emergency Department; a Cross-Sectional Study, *Advanced Journal of Emergency Medicine*, 2018, F Heydari, N Golestani, M Esmailian
26. Comparing the effect of intravenous acetaminophen (Apotel®) and intravenous morphine in controlling the pain of forearm and leg fractures in adults, *Journal of Isfahan Medical School*, 2016, M Mollaei, M Esmailian, F Heydari
27. Clinical practice guidelines; a strategy to improve health care, *Iranian Journal of Emergency Medicine*, 2016, M Esmailian, N Golestani

28. Bedside ultrasonography versus brain natriuretic peptide in detecting cardiogenic causes of acute dyspnea, *Emergency*, 2016, K Golshani, M Esmailian, A Valikhany, M Zamani
29. Sensitivity and specificity of ultrasound in the diagnosis of traumatic ankle injury, *Journal of Research in Medical Sciences*, 2021, M Esmailian, M Ataie, O Ahmadi, S Rastegar, A Adibi
30. The effects of different doses of submucosal vs. intravenous ketamine for conscious-sedation in children candidates for diagnostic-therapeutic procedures in emergency department, *Frontiers in Emergency Medicine*, 2021, S Majidinejad, M Ebrahimi, R Azizkhani, M Mansouri, M Ahmadpour, ...
31. The Correlation between Ultrasonographic Gastric Antral Area and Vomiting in Patients undergoing Procedural Sedation and Analgesia, *Frontiers in Emergency Medicine*, 2020, M Nasr-Esfahani, M Behravan, M Esmailian
32. Comparison of analgesic effects of nebulized morphine with fentanyl transdermal patch and oral methadone for cancer patients in terminal stages; a double-blind randomized ..., *Advanced Journal of Emergency Medicine*, 2019, S Majidinejad, M Ebrahimi, F Heydari, M Ahmadpour, M Esmailian
33. Frequency Distribution of Re-Hospitalization and Related Factors in Patients Discharged in 12 Hours from Alzahra Hospital Emergency Service, Isfahan, Iran during 2015 Spring ..., *Journal of Isfahan Medical School*, 2016, M Esmailian, M Talebpoor, A Mehrabi-Koushki
34. Assessment of Emergency Department response capacity in the face of crisis; a brief report, *Iranian Journal of Emergency Medicine*, 2016, M Esmailian, MH Salehnia, S Hasan
35. D-dimer Levels in Predicting Severity of Infection and Outcome in Patients with COVID-19, *Tanaffos*, 2022, M Esmailian, Z Vakili, M Nasr-Esfahani, F Heydari, B Masoumi
36. Comparing the effects of hydroxyethyl starch and albumin in cirrhotic patients with tense ascites; a randomized clinical trial, *Advanced Journal of Emergency Medicine*, 2017, A Abootalebi, S Khazaei, M Minakari, M Nasr-Isfahani, M Esmailian, ...
37. Effects of adding oral clonidine to standard treatments on pain intensity of patients with acute renal colic: A randomized clinical trial, *Advanced Biomedical Research*, 2022, M Esmailian, K Golshani, N Tavakolifard, A Amiri
38. FAST and abnormal urinalysis: the effective screening tools in pediatric abdominal trauma, *Journal of Emergency Practice and Trauma*, 2019, M Zamani, F Heydari, M Esmailian
39. Utilization of coronary computed tomography angiography for rapid risk stratification in emergency chest pain units, *Journal of Research in Medical Sciences*, 2014, M Esmailian, AS Khajouei, N Eghtedari, M Azarian, G Vaseghi
40. Dexmedetomidine versus propofol: An effective combination with ketamine for adult procedural sedation: A randomized clinical trial, *The American Journal of Emergency Medicine*, 2023, M Esmailian, S Kouhestani, R Azizkhani, F Heydari, MR Safavi

41. Comparison of the Effect of Clinical Practice Guide of Budesonide (Pulmicort) and Standard Method in the Management of Asthma Attack, Journal of Isfahan Medical School, 2019, E Shahbazi-Dastjerdeh, B Masoumi, M Esmailian
42. Nontherapeutic areas and their role in hospital surge capacity in facing disasters, Advanced biomedical research, 2016, M Shirani, MH Salehnia, M Esmailian
43. Effects of irrigation with different solution on Incidence of Wound Infection, Iranian Journal of Emergency Medicine, 2015, M Zamani, FS Panah, M Esmailian, R Azizkhani, Z Yoosefian, M Soltani
44. The Relation between Shift Work with Cognitive Function and Quality of Life among Emergency Medicine Professionals, Journal of Isfahan Medical School, 2021, M Nasr-Esfahani, S Yeroshalmi, M Esmailian
45. Compilation and evaluation of clinical practice guidelines for comprehensive approaches to patients with acute chest pain in the emergency room at Al-Zahra Hospital in Isfahan, Revista Latinoamericana de Hipertensión, 2019, M Esmailian
46. Evaluation of moral distress and moral intelligence among medical residents, Medicina e Morale, 2024, MN Isfahani, FA Pari, F Pakravan, M Esmailian
47. Defining Emergency Department Necessary Policies Based on Clinical Governance Accreditation Scores, Iranian Journal of Emergency Medicine, 2015 Mehrdad Esmailian, Mohammad Nasr Esfahani, Ali Motallebi Nahyeh
48. (B19) Assessment of Hospital Disaster and Non-Operational Defense Maneuver Performed in Imam Hossain Hospital, Prehospital and Disaster Medicine, 2009, M Esmailian, S Alamdari, H Kariman

## **PRESENTATIONS AND POSTER SESSIONS**

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### Bibliographic format

- Assessment of Hospital Disaster and Non-Operational Defense Maneuver Performed in Imam Hossain Hospital, Spain, As Faculty, International, 2010, Spain
- CPR , As Faculty National, 2012, Tehran, Iran
- POCUS , As Faculty National, 2015, Isfahan, Iran
- ED Management , As Faculty National, 2017, Tehran, Iran

## **PATENTS**

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Date, Item, number

## **RESEARCH INTERESTS**

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Research area

- ED Management
- Triage
- Trauma
- Pain Management
- PSA
- CPR
- Bedside Ultrasonography
- Disaster
- Burnout

## **TEACHING INTERESTS**

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Class title or subject

- ED Management
- Triage
- CPR
- PSA
- Trauma
- Pain Management
- POCUS
- Wellness
- Airway Management
- Orthopedic Emergencies
- Pediatrics Emergencies
- Cardiac Emergencies
- Abdominal Emergencies
- Neurologic Emergencies

## PROFESSIONAL MEMBERSHIPS

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Date, Title, association

- Member of Iranian Emergency physicians; since 2009
- Member of Boards of Examiners for the Specialty Board of Emergency Medicine, Ministry of Health and Medical Education, Tehran, Iran; since 2012