

Curriculum Vitae

Name: Keihan Golshani



Address: Emergency Medicine office, Alzahra University Hospital, Isfahan, IRAN

Phone - Email: k_golshani@med.mui.ac.ir

ORCID ID : 0000-0001-8567-5119

PERSONAL INFORMATION

Senior Consultant in Emergency Medicine and Academic faculty

EDUCATION

Iranian Board Certified in Emergency Medicine, 2008
(Tehran University of Medical Sciences)

GRANTS AND FELLOWSHIPS

Order of International Federation for Emergency Medicine (FIFEM)

RESEARCH EXPERIENCE

- Bedside Point of Care Ultrasound
 - Pain Management
 - Emergency Unit Management
 - Integrated Clinical Care
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TEACHING EXPERIENCE

- Academic faculty of Emergency Medicine at Isfahan University of Medical Sciences.
- International Instructor of Emergency Unit management courses at WHO.
- Certified Master Trainer of Emergency Care Toolkits at WHO.
- Instructor of Mass Casualty management Courses (WHO).
- Instructor of Basic emergency Care (WHO).
- Instructor of Advanced Trauma Care (American college of surgeons).

- Instructor of Basic and advanced Life Support (American Heart Association).
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RELEVANT WORK EXPERIENCE

- Senior Consultant of Emergency medicine and faculty member at Isfahan University of Medical Sciences, IRAN (Department of Emergency Medicine, Alzahra General Hospital, School of Medicine, Isfahan University of Medical Sciences.)
 - Consultant at Medical Care Monitoring Center, National Medical Emergency Organization, Ministry of Health and Medical Education of IRAN
 - Medical affairs director at Alzahra University Hospital, Isfahan, Iran
 - Member of Technical Advisory Group on Integrated Clinical Care (TAG-IC2), World Health Organization.
 - Chair of Emergency Medicine Trainees Special Interest Group at International Federation for Emergency Medicine
 - Member of IFEM WHO Taskforce at International Federation for Emergency Medicine
 - Member of IFEM Trauma Special Interest Group at International Federation for Emergency Medicine
 - Member of research Committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Hospital Safety and Disaster Management Committee at Alzahra University Hospital, Isfahan, Iran
 - Member of EOC committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Antimicrobial Stewardship Committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Hospital Disaster Management committee at Alzahra University Hospital, Isfahan, Iran
 - Head of Clinical Audit committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Mortality and Morbidity committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Maternal Mortality and Morbidity committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Neonatal Mortality and Morbidity committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Infant and Child Mortality Committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Quality improvement committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Infection prevention committee (IPC) at Alzahra University Hospital, Isfahan, Iran
 - Member of Hospital Resource Management Committee at Alzahra University Hospital, Isfahan, Iran
 - Member of Patient Safety committee at Alzahra University Hospital, Isfahan, Iran
 - Member of medication reconciliation committee at Alzahra University Hospital, Isfahan, Iran
 - Representative of Iranian Society for Emergency Medicine at International Federation for Emergency Medicine
 - Director of International affairs at Iranian Society for Emergency Medicine
 - National and International Instructor of Emergency Medicine Management workshops in collaboration with World Health Organization- EMRO
 - Scientific focal point of basic emergency care workshops in collaboration with World Health Organization- EMRO and WHO- academy
 - Instructor of ATLS (Advanced Trauma Life Support)
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UNIVERSITY SERVICE

Academic Faculty of Emergency Medicine at Isfahan University of Medical Sciences

PUBLICATIONS

Golshani, Keihan, and Hamed Akhlaghi. "Effects of the COVID-19 pandemic on healthcare delivery to an immigrant population in the Islamic Republic of Iran." *Eastern Mediterranean Health Journal* 28.10 (2022): 719-724.

Golshani, Keihan, Fatemeh Pishgoo, and Babak Masoumi. "Comparison of academic engagement in medical assistants in Isfahan University of Medical Sciences." *Iranian Journal of Medical Education* 22 (2022): 314-322.

Steps in the Development of a Reliable and Valid National Emergency Unit Readiness Assessment Tool for COVID-19 Outbreak in Iran K Golshani, L Kheyрати - *Prehospital and Disaster Medicine*, 2022

Role of point-of-care ultrasonography (POCUS) in the diagnosing of acute medial meniscus injury of knee joint O Ahmadi, M Motififard, F Heydari, K Golshani, A Azimi Meibody, ... *The Ultrasound Journal* 14 (1), 1-8, 2022

Point-of-care ultrasonography for diagnosis of medial collateral ligament tears in acute knee trauma; a diagnostic accuracy study f heydari, o ahmadi, k golshani, s derakhshan *archives of academic emergency medicine* 10 (1), e47-e47, 2022

Effects of adding oral clonidine to standard treatments on pain intensity of patients with acute renal colic: a randomized clinical trial m esmailian, k golshani, n tavakolifard, a amiri *advanced biomedical research* 11 (1), 28, 2022

Differential diagnosis of seizure and syncope by the means of biochemical markers in emergency department patients b masoumi, s mozafari, k golshani, f heydari, m nasresfahani *international journal of preventive medicine* 13 (1), 58, 2022

Intranasal ketamine versus intranasal fentanyl on pain management in isolated traumatic patients MN Isfahani, O Shokoohi, K Golshani - *Journal of Research in Medical Sciences*, 2022

Topical ketamine as a local anesthetic agent in reducing venipuncture pain: A randomized controlled trial, f heydari, s khalilian, k golshani, s majidinejad, b masoumi, *the american journal of emergency medicine* 48, 48-53

Evaluation of the effect of shift cycle time on chest compression quality during cardiopulmonary resuscitation, f heydari, k eghdami, m zamani, k golshani, b masoumi ,*medknow publications*, 2021

The diagnostic values of d-dimer and alveolar-arterial gradient tests in diagnosis and one-month status of patients with dyspnea, keihan golshani, nooshin adib, *journal of isfahan medical school*, vol. 39, no. 636, 4th week, october 2021

"Clinical Decision Tools to Predict Orotracheal Intubation and In-Hospital Mortality Among COVID-19 Patients: A Retrospective Multi-Centre Study." Akhlaghi, Hamed, et al. Available at SSRN 3681497 (2020).

Comparative Study of the Efficacy of Topical Tranexamic Acid with Nasal Tampon in Management of Epistaxis: A Randomized Clinical Trial A Abootalebi Ghahnavieh, A Tashayoie, M Nasr Esfahani, K Golshani *Scientific Journal of Kurdistan University of Medical Sciences* 25 (4), 140-149

Low-Dose Intravenous Ketamine Bolus versus Conventional Technique for the Reduction of Upper and Lower Extremity Fractures in Children: A Randomised Controlled Clinical Trial MN Isfahani, N Shahverdi, K Golshani *Eurasian Journal of Emergency Medicine* 19 (3), 166

Evaluation of the Diagnostic Value of Bedside Transthoracic Ultrasonography (TTUS) and Lower Extremity Three-Points Compression Duplex in the Diagnosis of the Pulmonary Embolism K Golshani, M Sharafsaleh *Journal of Diagnostic Medical Sonography* 36 (5), 423-430

Aspiration Risk Factors, Microbiology, and Empiric Antibiotics for Patients Hospitalized With Community-Acquired Pneumonia J Marin-Corral, S Pascual-Guardia, A Francesco, S Aliberti, JR Masclans, ...K Golshani.....

Comparing sedative effect of dexmedetomidine versus midazolam for sedation of children while undergoing computerized tomography imaging R Azizkhani, F Heydari, M Ghazavi, M Riahinezhad, M Habibzadeh, ... *Journal of Pediatric Neurosciences* 15 (3), 245

Prevalence and risk factors for Enterobacteriaceae in patients hospitalized with community-acquired pneumonia D Villafuerte, S Aliberti, NJ Soni, P Faverio, PJ Marcos, RG Wunderink, ... *Respirology* 25 (5), 543-551

Inpatient Evaluation of Intra-abdominal Pressure Completed With a Urinary Catheter as Compared With Ultrasonographic Vessel Measurements K Golshani, R Azizkhani, F Foroutan *Journal of Diagnostic Medical Sonography* 36 (1), 12-17

Prevalence and etiology of community-acquired pneumonia in immunocompromised patients MF Di Pasquale, G Sotgiu, A Gramegna, D Radovanovic, S Terraneo, ... *Clinical Infectious Diseases* 68 (9), 1482-1493

Diagnostic Value of Copeptin in Patients with Suspected Pulmonary Embolism in Emergency Departments AA Ghahnavieh, K Golshani, M Jafarpishch, M Moaiednia, ... *Tanaffos* 18 (3), 262

An international perspective on hospitalized patients with viral community acquired pneumonia D Radovanovic, G Sotgiu, M Jankovic, PA Mahesh, PJ Marcos, MI Abdalla, ... *European journal of internal medicine* 60, 54-70

Establishing Emergency Medicine in Iran: a Post-implementation Perspective. K Golshani *Mediterranean Journal of Emergency Medicine & Acute Care* 1 (1), 29- 31

Comparison of Efficacy of Nebulized Ketamine with Morphine and Intravenous Morphine in Pain Reduction in Patients with Traumatic Long-Bone Fractures Admitted to Emergency ... R Azizkhani, K Akhbari, B Masoumi, A Parna, K Golshani *Archives of Trauma Research*, 7 (3), 114-120

Diagnostic value of internal jugular vein collapsibility index in acute decompensated heart failure through comparison with findings of echocardiography and P-BNP level in ... M Avazpour, K Golshani, AS Khajouei *International Journal of Pharmaceutical Research* 10 (1), 363-371

Ketamine versus ketamine/magnesium sulfate for procedural sedation and analgesia in the emergency department: a randomized clinical trial R Azizkhani, A Bahadori, M Shariati, K Golshani, O Ahmadi, B Masoumi *Advanced biomedical research* 7

Determination of Clinical Signs and Symptoms Predicting No Pelvic Fracture in Patients with Multiple Trauma S Majidinejad, F Heidari, HK Kang, K Golshani *Advanced biomedical research* 7

Comparison of Suprascapular Nerve Block and Procedural Sedation Analgesia with Intravenous Ketamine and Midazolam in Shoulder Dislocation Reduction B Masoumi, S Heydari, K Golshani, R Azizkhani- *The Journal of Emergency Medicine* 53 (3), 439

Diagnostic Accuracy of Neuron Specific Enolase (NSE) and S100B in Distinguishing Central from Peripheral Vertigo B Masoumi, R Bagheri, F Heydari, K Golshani, B Ansari, M Khatami- *The Journal of Emergency Medicine* 53 (3), 440

Global initiative for meticillin-resistant *Staphylococcus aureus* pneumonia (GLIMP): an international, observational cohort study Aliberti, Stefano et al.-*The Lancet Infectious Diseases* , Volume 16 , Issue 12 , 1364 - 1376

Diagnostic validity of ultrasonography in evaluation of pulmonary thromboembolism A Abootalebi, K Golshani, M Karami, B Masoumi... - *Advanced biomedical research*, 201

Metoclopramide versus Sumatriptan for Emergency Department Treatment of Migraine Headache RA Khani, K Golshani, B Masoumi, S Talebi - *Journal of Emergency Medicine*, 2014

Bedside Ultrasonography versus Brain Natriuretic Peptide in Detecting Cardiogenic Causes of Acute Dyspnea K Golshani, M Esmailian, A Valikhany, M Zamani - *Emergency*, 2014

Bedside Ultrasonography versus Brain Natriuretic Peptide in Detecting Cardiogenic Causes of Acute Dyspnea K Golshani, M Esmailian, A Valikhany, M Zamani - *Emergency*, 2016

Golshani, Keihan, Ziba Farajzadegan, and Fariborz Khorvash. "Diagnostic Accuracy of Optic Nerve Ultrasonography and Ophthalmoscopy in Prediction of Elevated Intracranial Pressure." *Emergency* 3 (2014).

Zamani, Majid, Mehrdad Esmailian, Maryam Sadat Mirazimi, Maede Ebrahimiyan, and Keihan Golshani. "Cause and Final Outcome of Trauma in Patients Referred to the Emergency Department; a Cross Sectional Study." *Iranian Journal of Emergency Medicine* 1, no. 1 (2014).

Azizkhani, Reza, et al. "Oral Chloral Hydrate Compare with Rectal Thiopental in Pediatric Procedural Sedation and Analgesia; a Randomized Clinical Trial." *Emergency* 2.2 (2014): pp-85.

Azizkhani, Reza, Mehrdad Esmailian, and Keihan Golshani. "Rectal Thiopental versus Intramuscular Ketamine in Pediatric Procedural Sedation and Analgesia; a Randomized Clinical Trial." *Emergency* 2 (2014).

Keihan, Golshani, Ali Mirbod, Mehdi Karami, Shirin Akbari, Alireza Abootalebi, and Ehsan Hajzargarbashi. "The effect of fluid therapy on the inferior vena cava collapsibility index determined by ultrasonography." *Advanced Biomedical Research*, under publish C)

Nejati, Amir, Reza Shariat Moharari, Haleh Ashraf, Ali Labaf, and Keihan Golshani. "Ketamine/Propofol Versus Midazolam/Fentanyl for Procedural Sedation and Analgesia in the Emergency Department: A Randomized, Prospective, Double-Blind Trial." *Academic Emergency Medicine* 18, no. 8 (2011): 800-806.

Taslimi, Reza, and Keihan Golshani. "Thrombotic and hemorrhagic presentation of congenital hypo/fibrinogenemia." *American Journal of Emergency Medicine*, The 29, no. 5 (2011): 573-e3.

Nejati, Amir, Keihan Golshani, Maziar Moradi Lakeh, Patricia Khashayar, and Reza Shariat Moharari. "Ketamine improves nasogastric tube insertion." *Emergency Medicine Journal* 27, no. 8 (2010): 582.

• PRESENTATIONS AND POSTER SESSIONS

STEPS IN THE DEVELOPMENT OF A RELIABLE AND VALID NATIONAL EMERGENCY UNIT READINESS ASSESSMENT TOOL FOR COVID-19 OUTBREAK IN IRAN Conference: 5th EMT Global Meeting, Yerevan, Armenia 2022, Authors: Keihan Golshani, Leila Kheyrati

- Kpis USED TO MEASURE QUALITY OF CARE IN TRAUMA CASES IN IRAN Conference: International Congress of Emergency Medicine (ICEM 2022), Melbourne, Australia Speaker: Keihan Golshani
- EFFECT OF COVID-19 PANDEMIC ON HEALTHCARE DELIVERY TO IM/MIGRANT POPULATION IN ISFAHAN PROVINCE, IRAN, A MULTI-CENTER STUDY Conference: International Congress of Emergency Medicine (ICEM 2022), Melbourne, Australia (Poster) Authors: K. Golshani, Hamed Akhlaghi
- Developing EM Trainee Leadership in Iran Conference: International Congress of Emergency Medicine (ICEM 2019), Seoul, Republic of South Korea Speaker: Keihan Golshani
- Prospective of Trauma Care in Iran Conference: International Congress of Emergency Medicine (ICEM 2019), Seoul, Republic of South Korea Speaker: Keihan Golshani
- Topical Ketamine as a Local Anesthetic Agent in Reducing Venipuncture Pain: a Randomized Controlled Trial Conference: International Congress of Emergency Medicine (ICEM 2019), Seoul, Republic of South Korea Speaker: Keihan Golshani
- Principles of ultrasound guided nerve block Conference: Annual Surgery Congress, Mashhad, IRAN, 2018; (Speech) Speaker: Keihan Golshani
- Simulation based assessment of communication skills in emergency medicine residents Conference: 13th Annual National Congress of Emergency Medicine. Tehran, IRAN, 2018; (Speech) Speaker: Keihan Golshani
- New Cellphone Applications as a Teaching Modality in the Field of Emergency Medicine Conference: The 9th Mediterranean Emergency Medicine Congress, Lisbon (Portugal), 2017; (Speech) Speaker: Keihan Golshani
- Nutritional Supplements in Yoga Training as a Cause of Acute Abdominal Pain! Conference: The 9th Mediterranean Emergency Medicine Congress, Lisbon (Portugal), 2017; (Speech) Speaker: Keihan Golshani
- Syncope as a brief transient Loss of Consciousness Conference: 11th Annual National Congress of Emergency Medicine. Tehran, IRAN, 2016; (Speech) Speaker: Keihan Golshani
- Thrombocytopenia in third trimester of pregnancy Conference: International congress of emergency medicine, 2016, Cape Town, South Africa, (Speech) Speaker: Keihan Golshani
- Bedside Ultrasonography of Optic Nerve versus Ophthalmoscopy for Predicting Elevated Intra Cranial Pressure Conference: The 8th Mediterranean Emergency Medicine Congress Rome (Italy), 2015; (Lecture) Authors: K. Golshani, M. Ebrahim Zadeh, B. Masoumi, R. Azizkhani
- The Relationship between Risk Factors of Head Trauma with CT scans Findings in Children with Minor Head Trauma Admitted to Hospital Conference: The 8th Mediterranean Emergency Medicine Congress Rome (Italy), 2015; (Poster) Authors: B. Masoumi, K. Golshani, R. Azizkhani, A. Omrani Nava, M. Khatami
- Mediastinitis Due to Esophageal Rupture Conference: The 8th Mediterranean Emergency Medicine Congress Rome (Italy), 2015; (Poster) Authors: B. Masoumi, B. Farzaneh, K. Golshani, R. Azizkhani, K. Heidari
- Vascular Emergencies in Emergency Departments Conference: 8th Annual National Congress of Emergency Medicine. Tehran, IRAN, 2013; (Speech) Speaker: Keihan Golshani

- A Comparative Study of the Effects of Intravenous Morphine and Ketorolac on the Pain Control in Patients with Long Bones Fractures Conference: The 8th Mediterranean Emergency Medicine Congress Rome (Italy), 2015; (Poster) Authors: K. Golshani, M. Ebrahim Zadeh, B. Masoumi, R. Azizkhani
- Relations between Iranian Society of Emergency Medicine and Other International Emergency Physicians' Societies Conference: The 9th Annual National Congress of Emergency Medicine Tehran, IRAN, 2014; (Lecture) Presented with: K. Golshani
- New cut-off point for Inferior Vena Cava Collapsibility Index in predicting traumatic patients with low CVP measures Conference: The Seventh Mediterranean Emergency Medicine Congress. Marseille, France, 2013; (Poster) Authors: Keihan Golshani, Shahrad Tajoddini, Reza Azizkhani
- An Innovation of a method for evaluating of emergency department design Conference: The Seventh Mediterranean Emergency Medicine Congress. Marseille, France, 2013; (Poster) Authors: Keihan Golshani, Azadeh Javaherpour, Babak Masoumi
- The evaluation of emergency medicine establishment in the promotion of quality indices Conference: The Seventh Mediterranean Emergency Medicine Congress. Marseille, France, 2013; (Poster) Authors: Reza Aziz Khani, Keihan Golshani, Babak Masoumi
- Metoclopramide versus sumatriptan for emergency department treatment of migraine headache Conference: The Seventh Mediterranean Emergency Medicine Congress. Marseille, France, 2013; (Speech) Authors: Reza Aziz Khani, Keihan Golshani, Babak Masoumi, Saeed Talebi (IR)
- Post Graduating Emergency Medicine course for General Practitioners and its outcomes on patients' care in Emergency departments Conference: The Seventh European Emergency Medicine Congress. Antalya, Turkey, 2012; (Poster) Authors: keihan Golshani, Reza Azizkhani, Shahrad Tajedini, Mehrdad Emailian
- Presence of Family members in CPR room Conference: Seventh Annual National Congress of Emergency Medicine. Tehran, IRAN, 2012; (Speech) Authors: Keihan Golshani
- Teaching Emergency Medicine Residents in a Crowded Emergency department Conference: Sixth Annual National Congress of Emergency Medicine. Tehran, IRAN, 2011; (Speech) Authors: Keihan Golshani
- News in CPR according to the 2010 AHA Guideline Conference: Sixth Annual National Congress of Emergency Medicine. Tehran, IRAN, 2011; (Speech) Authors: Keihan Golshani
- Work Index and National Emergency Department Overcrowding Scale, which one is valid for measuring Alzahra Emergency Department overcrowding? Conference: The sixth Mediterranean Emergency Medicine Congress. Kos, Greece, 2011; (Speech) Authors: keihan Golshani, Pegah poormorshed, Simin Rahim Malek, Reza azizkhani
- Bradydysrhythmia Conference: Fifth Annual National Congress of Emergency Medicine. Tehran, IRAN, 2010; (Speech) Authors: Faculty members of Emergency department of Isfahan medical university
- ICH in Idiopathic Thrombocytopenic Purpura Conference: 13th International Conference on Emergency Medicine (ICEM 2010). Singapore, 2010; (Poster) Authors: keihan Golshani, Marjan Golshani, amir Nejati
- Weblog, a new technique for interpersonal communication Conference: The Fifth Mediterranean Emergency Medicine Congress. Valencia, Spain, 2009; (Poster) Authors: Keihan Golshani, Mohammad Farnia, Amir Nejati, Gholamreza Sadeghipour roodsari
- CPR: Third Annual National Congress of Emergency Medicine. Tehran, IRAN, 2008; (Speech) Authors: Keihan Golshani

PATENTS

Date, Item, number

RESEARCH INTERESTS

- Emergency Department Management
 - Emergency Care and Emergency System
 - Bedside PoCUS
 - Pain Management
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TEACHING INTERESTS

- Emergency Department management
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PROFESSIONAL MEMBERSHIPS

- Iranian society of Emergency medicine
 - International Federation for Emergency Medicine
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EXTRA CURRICULAR ACTIVITIES

- Member of technical advisory group on integrated clinical care at WHO
- Chair of International emergency medicine trainee group at IFEM
- Consultant at Medical Care Monitoring Center, National Medical Emergency Organization, Ministry of Health and Medical Education of IRAN
- Member of National Medical Care Monitoring Center Committee, National Medical Emergency Organization, Ministry of Health and Medical Education of IRAN