

ELHAM MEMORY, MD



Personal & Contact Information

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Educational Background & Academic Degrees

- 2021-2022: Regional Anesthesia Fellowship, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2006-2010: Ph.D. / Specialty of Anesthesia and Critical Care, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2010: Specialized Board Certification in Anesthesiology and Critical Care (First Place in National Iranian Anesthesiology Board Exam)
- 1996-2003: Medical Doctorate (M.D.), Iran University of Medical Sciences, Tehran, Iran

Thesis Titles

- Thesis title for M.D. degree: Comparison between Oral Sumatriptan and Ergotamine in Acute Attack of Migraine
- Thesis title for specialty: The Effects of Education on Elective Surgical Candidates' Anxiety
- Thesis title for subspecialty: The Effect of Intravenous Metoclopramide on Gastric Emptying of Opium-dependent Patients based on Ultrasonographic Criteria; a Case-control Study

Academic Positions, Honors, and Awards

- Professor of Anesthesia and Full-time Faculty Member, Shahid Beheshti University of Medical Sciences (since 2010)
- First Place Winner in the National Specialized Encyclopedia Exam / Iranian Anesthesiology Board Exam (2010)
- Top Anesthesiology Resident of Shahid Beheshti University of Medical Sciences (2009)
- Exemplary Faculty Member at the 9th Shahid Motahari University Educational Festival, SBMU (May 2014)
- Exemplary Faculty Member Winner of the Year – Imam Hossein Hospital (2013)
- Top Faculty Member of Shahid Beheshti University of Medical Sciences (2014)

- Top Ranking in National Educational Processes for Teleconference Training, Shahid Motahari Festival (2017)
- Member of the Competency Assessment Committee, Shahid Beheshti University of Medical Sciences (since 2015)

Training Courses & Workshops Attended

- Electrolyte Disorders Workshop – Imam Hossein Hospital – January 2020
- Workshop on Mechanical Ventilation in Emergency – Tehran University of Medical Sciences – October/November 2010
- Pediatric Cardiopulmonary Resuscitation Workshop – Shahid Beheshti University of Medical Sciences – September 2010
- Pediatric Basic and Advanced Pulmonary Resuscitation Workshop – Emergency Medicine Scientific Association – January 2010
- Hospital Triage Workshop Based on ESI (Fourth Edition) – Emergency Medicine Scientific Association – January 2010
- Basic and Advanced Adult Cardiopulmonary Resuscitation Workshop – Emergency Medical Science Association – January 2010
- Workshop on handling trauma patients based on animal models – Scientific Association of Emergency Medicine – January 2010
- Workshop on Plagiarism – Center for Scientometrics and Research Development, SBMU – February 2015
- Workshop on New Teaching Methods – Shahid Labafinejad Hospital – February 2016
- Workshop on designing multiple-choice exams for resident promotion – Imam Hossein Hospital – June 2015
- Ultrasound Applications Workshop (Basic and Advanced) – Shahid Beheshti University of Medical Sciences – May 2016
- Workshop on Basic Article Writing Principles in Medical Sciences – Research and Publication Center of the Kowsar Institute
- Basic Cardiovascular Resuscitation Training Course (AHA) – United Arab Emirates – February 2016
- Advanced Cardiovascular Resuscitation Training Course based on (AHA) – United Arab Emirates – February 2016
- Workshop on Designing Multiple Choice Exams for Residency Promotion – Shahid Beheshti University of Medical Sciences – October 2016
- Faculty Empowerment Course – Shahid Beheshti University of Medical Sciences – 2019

Therapeutic, Medical, and Executive Positions

- Emergency Physician at Modarres Saveh Hospital, Saveh, Iran
- Physician in Charge of the Gharqabad Health Center, Saveh, Iran

- Full-time Legally Appointed Faculty Member, Imam Hossein Hospital, Shahid Beheshti University of Medical Sciences (since 2010)
- Secretary / Head of the Anesthesia Retraining Program (December 2012)
- Teaching Assistant / Educational Vice-Chancellor, Anesthesia Department, Imam Hossein Hospital (since 2016)

Educational Activities and Teaching Experience

- Teaching a workshop on resuscitation of the elderly for medical students – Shahid Beheshti University of Medical Sciences – July 2011
- Teaching a workshop on resuscitation of the elderly for medical students – Shahid Beheshti University of Medical Sciences – September 2011
- Teaching a workshop on resuscitation of the elderly for medical students – Shahid Beheshti University of Medical Sciences – October 2011
- Holding a book reading course for anesthesia residents (totaling 50 hours of training) – 2012
- Teaching a workshop on resuscitation of the elderly for medical students – Shahid Beheshti University of Medical Sciences – April 2012
- Teaching the unit of 'Anesthesia and Associated Diseases' for Bachelor of Anesthesia students – SBMU – April 2011
- Teaching the unit of 'Anesthesia and Resuscitation' for undergraduate midwifery students – SBMU – November 2011
- Teaching in the written retraining program on adverse effects of anesthesia – December 2012
- Teaching in the workshop on water and electrolyte disorders for nurses – Imam Hossein Hospital – January 2020
- Teaching in the training workshop on serum therapy and water and electrolyte control – Imam Hossein Hospital – March 2016
- Teaching in the Elderly Resuscitation Workshop for Students – Shahid Beheshti University of Medical Sciences – July 2015
- Teaching in the cardiopulmonary resuscitation workshop – Imam Hossein Hospital – October 2016

Peer Review Experiences

- Reviewing articles for 'Anesthesiology and Pain Medicine' Journal
- Reviewing articles for 'Journal of Cellular and Molecular Anesthesia'
- Reviewing articles for 'Archives of Anesthesiology and Critical Care'
- Reviewing articles for the Iranian Society of Anesthesiology and Critical Care Journal
- Reviewing articles for the Clinical Research Development Unit / Anesthesia Research Center of Imam Hossein Hospital
- Reviewing articles for the Anesthesia Research Center, Taleghani Hospital, Shahid Beheshti University of Medical Sciences

Published Books

- Compiler/Author: 'Anesthesiology and Critical Care Specialty Board Exam Questions' (Khosravi Publishing, 2011; SBMU versions 2017, 2018, 2019)
- Translation: 'Anesthesia and Coexisting Diseases' (Andisheh Rafi Publications, 2012)
- Author: 'An Explanatory Review on Specialty Questions of the Anesthesiology Board' (Artin Teb Publications, 2013)
- Translation: 'Anesthesia and Coexisting Diseases' (Novin Publications, 2018)
- Author: 'Specialized Question Sets on Anesthesia and Critical Care' (Shahid Beheshti University of Medical Sciences Publications, since 2016)
- Co-author: Chapter in 'Personalized Medicine in Anesthesia, Pain and Perioperative Medicine' (Springer Publishing)
- Co-author: 'Assessment of Learners' Clinical Knowledge and Reasoning' (Shahid Beheshti University of Medical Sciences Publications)

Lectures at Seminars and Conferences

- 1) Lecture in the continuing education program entitled 'Unwanted Side Effects of Anesthesia Drugs' – SBMU – December 2012.
- 2) Lecture at the in-person continuing medical education program – SBMU – July 2011.
- 3) Speech at the monthly conference of the Society of Anesthesiology and Critical Care – Hazrat Abolfazl Assembly Hall, Rasool Akram Hospital – December 2010.
- 4) Lecture in the program on how to read electrocardiograms and operating room monitoring – SBMU – January 2011.
- 5) Lecture in the Anesthesia Code of Practice in Neurosurgery and Ophthalmology program – SBMU – January 2011.
- 6) Lecture at the Mechanical Ventilation in Emergency Room Workshop – Tehran University of Medical Sciences – October/November 2010.
- 7) Lecture at the Pediatric Pulmonary Resuscitation Workshop – Tehran University of Medical Sciences – October/November 2010.
- 8) Lecture at the Continuing Education Program of the Scientific Society of Emergency Medicine – January 2011.
- 9) Speech at the 5th National Congress of Emergency Medicine – Razi International Conference Hall – December 2010.

- 10) Speech at the Third National Congress of Emergency Medicine Nursing – Razi International Conference Hall – December 2010.
- 11) Lecture at the Continuing Education Program of the Scientific Society of Emergency Medicine – December 2009.
- 12) Lecture at the Continuing Education Program of the Scientific Society of Emergency Medicine – November 2009.
- 13) Speech at the National Emergency Medicine Nursing Congress – Razi International Conference Hall – January 2010.
- 14) Speech at the Third National Congress of Emergency Medicine – Razi International Conference Hall – December 2008.
- 15) Speech at the 4th National Congress of Emergency Medicine – Razi International Conference Hall – January 2009.
- 16) Speech at the first comprehensive scientific conference of medical professionals – SBMU International Conference Center – February 2014.
- 17) Speech at the Cardiopulmonary Resuscitation Congress – April 2015 – Shahid Beheshti University of Medical Sciences.
- 18) Speech at the Cardiopulmonary Resuscitation Congress – August 2015 – Shahid Beheshti University of Medical Sciences.
- 19) Speech at the 12th International Congress of Anesthesiology and Intensive Care – SBMU – September 2015.
- 20) Speech at the Cardiopulmonary Resuscitation Congress – November 2015 – Shahid Beheshti University of Medical Sciences.
- 21) Speech at the Cardiopulmonary Resuscitation Congress – August 2016 – Shahid Beheshti University of Medical Sciences.
- 22) Speech at the Cardiopulmonary Resuscitation Congress – October 2016 – Shahid Beheshti University of Medical Sciences.
- 23) Speech at the Conference on Management of Cirrhotic Patients – August 2016 – Shahid Beheshti University of Medical Sciences.
- 24) Speech at the Impact Assessment Conference of Anesthesia Medicines on Patient Safety – SBMU – March 2017.
- 25) Speech at the Congress on Retinopathy of Premature Infants – Razi Conference Hall – SBMU – March 2017.

Participation in Seminars and Conferences

- 1) Participation in the one-day Sepidposhan Ashura Conference – December 2012.
- 2) Participation in the one-day conference on advanced research methods – March 2013.
- 3) Participation in the educational course/module for pregnant mothers and infants at risk – October 2012.
- 4) Participation in the continuing education program entitled 'Unwanted Side Effects of Anesthesia Drugs' – SBMU – December 2012.
- 5) Participation in the continuing medical education program – SBMU – July 2011.
- 6) Participation in the Second International Congress of the Regional Association of Anesthesia and Pain of Iran – SBMU – October 2011.
- 7) Participation in the program of electrocardiogram reading and operating room monitoring – SBMU – August 2010.
- 8) Participation in the Anesthesia Program in Brain, Stroke and Eye Surgery – SBMU – January 2011.
- 9) Participation in the monthly scientific conference of the Scientific Association of Emergency Medicine – July 2009.
- 10) Participation in the monthly scientific conference of the Scientific Society of Emergency Medicine – August 2009.
- 11) Participation in the monthly scientific conference of the Scientific Association of Emergency Medicine – September 2009.
- 12) Participation in the monthly scientific conference of the Scientific Association of Emergency Medicine – October 2009.
- 13) Participation in the monthly scientific conference of the Scientific Society of Emergency Medicine – November 2009.
- 14) Participation in the monthly scientific conference of the Scientific Society of Emergency Medicine – February 2010.
- 15) Participation in the Emergency Medicine Seminar – Mazandaran University of Medical Sciences – June 2009.
- 16) Participation in the Third National Emergency Medicine Conference / Seminar of the Emergency Medicine Scientific Association – Razi International Conference Hall – October 2008.

- 17) Participation in the Second National Seminar on Emergency Medicine – Shahid Beheshti University of Medical Sciences – June 2006.
- 18) First Emergency Medicine Congress – Razi International Conference Hall – December 2005.
- 19) Participation in the self-study program of the monthly magazine Davar va Darman (Drug and Treatment) – April 2005.
- 20) Second congress on prevention of non-communicable diseases medicine seminar held by the Iranian society of emergency medicine, Razi International Conference Hall – September 2003.
- 21) Participation in the Fourth General Practitioners Conference – Razi International Conference Hall – March 2004.
- 22) Participation in the first short-term professional training course in trauma emergencies – Razi International Conference Hall – March 2004.
- 23) Participation in the first short-term professional training course on poisonings – Razi International Conference Hall – March 2004.
- 24) Participation in the first short-term professional training course in skin and hair – Razi International Conference Hall – March 2004.
- 25) Participation in the first short-term professional training course in minor surgeries – Razi International Conference Hall – March 2004.
- 26) Participation in the Emergency Program of Shahid Beheshti University of Medical Sciences 2 – November 2003.
- 27) 8th European Congress of Emergency Medicine – Amsterdam – 2014.
- 28) Advanced research methodology seminar – Labbafi Nezhad Hospital – March 2013.
- 29) Ultrasound-Guided Nerve Block Workshop – Akhtar Hospital – November 2014.
- 30) Participation in the Rahian Noor Conference – March 2015.
- 31) Presenting an article (as a poster) titled 'Treatment Measures in Unexpected Events / outcome of CPR carried out in Imam Hossein Hospital' at the International Congress of Emergency Medicine – Razi International Conference Hall – December 2005.

Theses Supervised or Advised

As Co-Supervisor / Advisor (Professor Advisor):

- 1) Comparing the duration of analgesia and the amount of nausea and vomiting after laparoscopic cholecystectomy in intraperitoneal and thoracic epidural analgesia methods.

- 2) Ultrasound-guided femoral nerve block versus intravenous morphine in pain control in patients with femoral shaft fractures in the emergency department of Imam Hossein Hospital.
- 3) Comparing the effect of adding ketorolac and dexmedetomidine to lidocaine in hand surgery with infraclavicular block – Academic year 2013-2014 – Thesis No. 266.
- 4) Comparative study of local dexmedetomidine during nasal fiberoptic intubation – Academic year 2015-2016.
- 5) Review of the effect of dexmedetomidine on N-terminal pro B-type natriuretic peptide levels during femoral shaft fracture surgery.
- 6) Investigating the effect of intravenous metoclopramide on gastric emptying in drug users based on ultrasound criteria.
- 7) Comparative study of Pericapsular Nerve Group (PENG) block with fascia iliaca block on intraoperative opioid consumption and postoperative analgesic effects in intra- vs. extracapsular hip fracture surgeries.
- 8) Investigation of hepatic blood flow changes using NIRS during two laparoscopic methods with low pressure and normal pneumoperitoneum in laparoscopic cholecystectomy.
- 9) Investigating the effect of injected bupivacaine in sciatic nerve block of pregnant mice on the levels of neurotoxic factors and cell apoptosis in offspring.

As Primary Supervisor:

- 1) Comparing the effect of prescribing saline, Ringer's, and Voluven solutions before spinal anesthesia with hyperbaric bupivacaine on sensory block expansion.
- 2) Studying the effect of adding dexmedetomidine to femoral block on the need for intravenous anesthesia and narcotics during femoral shaft fracture surgery.
- 3) Comparative study of intravenous anesthetic (propofol) consumption in people with and without sleep disorders.
- 4) Investigating the effect of intravenous lidocaine infusion on inflammatory factors based on Glasgow Prognostic Scale (GPS) in candidates for breast cancer surgery.
- 5) Comparative study of the histopathological effects of perineural injection of dexmedetomidine in femoral block in rats.
- 6) Studying the effect of metoclopramide (Plasil) administration on gastric emptying criteria based on ultrasound in candidates for emergency surgery with incomplete fasting periods.
- 7) Review and comparison of ED90 of prophylactic oxytocin after delivery of the placenta during cesarean section in patients at high risk for postpartum uterine atony with low-risk patients.

- 8) Investigating the effect of lidocaine infusion compared to fentanyl on breast cancer cell apoptosis in patients undergoing breast cancer surgery.
- 9) Investigating the effectiveness of Benson's relaxation method on preoperative anxiety and the need for anesthetic drugs in cataract surgery.
- 10) Review and comparison of the dose of oxytocin prescribed in elective cesarean sections based on the 'Rule of Threes' algorithm with the standard Williams reference protocol.
- 11) Investigating the effect of using a combination of epinephrine and corticosteroids during cardiopulmonary resuscitation compared to epinephrine on brain cell apoptosis in a rat animal model.

Persian Research Articles

- 1) The effect of premenstrual syndrome on the use of fentanyl and propofol during laparotomy surgery in the follicular phase of menstruation. Journal of the Society of Anesthesiology and Critical Care, 2013 (Volume 35, Issue 825, Volume 2).
- 2) Comparison of the analgesia method of single-dose intraperitoneal bupivacaine and fentanyl injection with single-dose thoracic epidural injection on the duration of analgesia after laparoscopic cholecystectomy. Journal of the Society of Anesthesiology and Critical Care, 2014 (Year 36, Issue 2).
- 3) Investigating the effect of intravenous magnesium sulfate administration on neurocognitive disorders after coronary artery bypass graft surgery. Journal of the Society of Anesthesiology and Critical Care, 2014 (Year 36, Issue 87, Volume 2, Issue 3).
- 4) Can preoperative education reduce patient anxiety? Journal of Anesthesiology and Critical Care, Iranian Society of Anesthesiology and Critical Care, 2010.
- 5) Investigating the effect of dexmedetomidine in femoral block on the degree of hemodynamic changes during femoral shaft fracture surgery.
- 6) Effect of topical dexmedetomidine on sedation dose during awake endotracheal intubation. Journal of Police Medicine, 2016 (Summer, Volume 5, Issue 2).
- 7) Review of the impact of sleep disorders on the scale of narcotic drug consumption during general anesthesia. Journal of Anesthesiology and Critical Care, 2016 (Year 38, Issue 94, Volume 2, Issue 2).
- 8) Investigating the relationship between endotracheal intubation difficulty scoring systems and anthropometric body factors in the community; an epidemiological study. Iranian Journal of Emergency Medicine, 2016.
- 9) Review and comparison of oxytocin doses prescribed for elective cesarean sections based on the Rule of Threes algorithm with Williams reference standard protocol. Journal of the Society of Anesthesiology and Critical Care, 2010 (Year 43, Issue 109, Volume 2, Issue 1).

English Research Articles

- 1) Comparison of the effects of pre-anesthetic administration of normal saline, ringer and volouven on the spread of sensory block with hyperbaric bupivacaine spinal anesthesia. *Anesthesiology and Pain Medicine*. 2014; 4(2).
- 2) Effects of Clonidine premedication upon postoperative shivering and recovery time in patients with and without opium addiction after elective leg fracture surgeries. *Anesthesiology and Pain Medicine*. 2013; 2(3):107-110.
- 3) Effects of dexmedetomidine versus ketorolac as local anesthetic adjuvants on the onset and duration of infraclavicular brachial plexus block. *Anesthesiology and Pain Medicine*. 2014; 4(3):e17620.
- 4) Efficacy of measuring procalcitonin levels in determination of prognosis and early diagnosis of bacterial resistance in sepsis. *Journal of the Nigeria Medical Association*. 2015; 56(1):2015-17.
- 5) Spinal anesthesia in a 21 year old woman with osteogenesis imperfecta: A case report. *Thrita Journal*. 2016.
- 6) A case of death caused by tracheal tube aspiration. *Anesthesiology and Pain Medicine*. 2014; 4(1).
- 7) Effect of dexmedetomidine infusion on N-terminal pro B type natriuretic peptide level in patients with femoral shaft fractures under general anesthesia. *Bangladesh Journal of Pharmacology*. 11(4):756-770.
- 8) The Effect of Lidocaine Infusion during General Anesthesia on Neutrophil-Lymphocyte-Ratio in Breast Cancer Patients Candidate for Mastectomy; a clinical trial. *Journal of Cellular and Molecular Anesthesia*. 2016.
- 9) Comparison of histopathological effects of perineural administration of bupivacaine and bupivacaine-dexmedetomidine in rat sciatic nerve. *Experimental and Toxicologic Pathology*. 2016; 68(10):559-564.
- 10) Survival and outcomes following cardiopulmonary resuscitation; a descriptive study in Iran. *Journal of Emergency Practice and Trauma*. 2016.
- 11) Developing cervical hematoma following jaw thrust maneuver triggered diagnosis of neurofibromatosis: A case report and brief literature review. *Anesthesiology and Pain Medicine*.
- 12) Bradycardia and severe bispectral index drop following femoral nerve block by dexmedetomidine due to accidental vascular puncture. *Archives of Anesthesiology and Critical Care*. 2016.
- 13) Effect of dexmedetomidine infusion during femoral neck surgery on hemodynamic parameters in opium addicted patients: a randomized clinical trial. *International E-Journal of Anesthesiology*. 2017; 1(1).
- 14) Investigating the relationship between intratracheal intubation difficulty scoring body anthropometric factors. *International E-Journal of Anesthesiology*. 2017; 1(1).

- 15) Intranasal Desmopressin Compared with Intravenous Ketorolac for Pain Management of Patients with Renal Colic Referring to the Emergency Department; A Randomized Clinical Trial and Brief Report. *Anesthesiology and Pain Medicine*. 2017; e43595.
- 16) Spontaneous Adrenal Hematoma in a Pregnant Woman; a Case Report. *Emergency*. 2017; 5(1):e59.
- 17) The effect of perineural administration of dexmedetomidine on propofol and narcotic consumption and pain intensity in the patients undergoing femoral shaft fracture surgery. *Chonnam Medical Journal*. 2017; 53(2):127-132.
- 18) The Effect of Lidocaine Infusion during General Anesthesia on Neutrophil-Lymphocyte-Ratio in Breast Cancer Patients Candidate for Mastectomy; a clinical trial. *Journal of Cellular & Molecular Anesthesia*. 2016; 1(4):146-153.
- 19) Pain Management Following Anorectal Surgery using Patient-controlled Analgesia vs. Pudendal Nerve Block: a Clinical Trial. *Trauma Monthly*.
- 20) The Relationship between Orotracheal Intubation Difficulty Scoring Systems and Anthropometric Factors. *Advanced Journal of Emergency Medicine*. 2019; 3(1):e5.
- 21) Anesthesia Approach in a 1-Year-Old Girl with Laryngocele; a case study. *Annals of Anesthesiology and Critical Care*.
- 22) Entonox Efficacy for Procedural-Sedation and Analgesia in Pediatrics Undergoing Bone Marrow Aspiration; a Randomized Clinical Trial. *Iranian Red Crescent Medical Journal*.
- 23) Compare the Effect of Atropine and Hyoscine Premedication in Patients with Major Depression Treated by Electroconvulsive Therapy. *Bioscience Biotechnology Research Communications*.
- 24) Comparative Efficacy of Ultrasound-Guided Versus Laparoscopically Administered Subcostal Transversus Abdominis Plane and Rectus Sheath Blocks in Laparoscopic Cholecystectomy. *International Journal of Clinical Practice*. 2026; 2026(1):1849109.
- 25) Anesthetic management of a patient with a giant goiter undergoing hip arthroplasty: A case report. *International Journal of Surgery Case Reports*. 2025; 130:111329.
- 26) Quadratus lumborum block for acetabular fracture surgery by stoppa method. *Regional Anesthesia & Pain Medicine*. 2025; 50(Suppl 1):A130-A131.
- 27) Erector spinae plane block as an anesthesia technique for an emergent thoracotomy; a case report. *BMC Anesthesiology*. 2024; 24(1):57.
- 28) Faculty Development Program and the Outcome of Academic Development. *Journal of Iranian Medical Council*. 2024; 7(3):463-474.
- 29) Efficacy comparison between interscalene block with and without superficial cervical plexus block for anesthesia in clavicle surgery. *Anesthesiology and Pain Medicine*. 2024; 14(1):e142051.

30) Quadratus Lumborum Block versus Fascia Iliaca Compartment Block for Acetabular Fracture Surgery by Stoppa Method: A Double-Blind, Randomized, Noninferiority Trial. Pain Research and Management. 2024; 2024:3720344.

31) Comparison of Gabapentin, Clonidine, and Midazolam in Intensive Care Unit Patients Undergoing Mechanical Ventilation: A Randomized Clinical Trial. Journal of Practical Emergency Medicine. 2024; 11(1):e10.

32) The Neuroprotective Effects of Administration of Methylprednisolone in Cardiopulmonary Resuscitation in Experimental Cardiac Arrest Model. Cellular and Molecular Neurobiology. 2023; 43(5):2243-2255.

33) Anesthetic Management of a 9-Year-Old Child Affected by Al-Raqad Syndrome Scheduled for Cataract Surgery: A Case Report. Journal of Cellular and Molecular Anesthesia. 2023; 8(2):135-138.

34) Anesthetic Management of a Four-Year-Old Child Affected by Marinesco-Sjogren Syndrome Scheduled for Cataract Surgery: A Case Report. Journal of Cellular and Molecular Anesthesia. 2023; 8(1):65-67.

35) The Effect of Intravenous Metoclopramide on Gastric Emptying of Opium-dependent Patients based on Ultrasonographic Criteria; a case-control study. Archives of Academic Emergency Medicine. 2023; 11(1).