

Dr. Firoozeh Madadi

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Education

Residency: Anesthesiology, Shahid Beheshti University of Medical Sciences, 2021.

MD: Shahid Beheshti University of Medical Sciences, School of Medicine, 2014.

Faculty Appointments

Assistant Professor, Department of Anesthesiology, School of Medicine, Shahid Beheshti University of Medical Sciences, 2022-present.

Academic and Executive Appointments

Deputy of education, Department of Anesthesiology, Shahid Beheshti University of Medical Sciences, 2025- present.

Associate editor, JCMA (Journal of Cellular & Molecular Anesthesia), 2023-present

Deputy of research, Anesthesiology Research Center, Shahid Beheshti University of Medical Sciences, 2024- present.

Director of Educational Quality Enhancement Committee, medical school, Shahid Beheshti University of Medical Sciences, 2024- present.

Hemovigilance officer, Ayatollah Taleghani hospital, Shahid Beheshti University of Medical Sciences, 2022- present.

Membership and Professional Appointments

Member of World Federation of Societies of Anesthesiologists, since 2021

Member of Iranian Medical council, since 2014

Member of Office for Exceptional Talents, since 2007

Member of Iranian Association of General practitioners 2014-2016

Performing variety of team and individual activities, creating news & articles

Member of National Guideline Development group

Center for Clinical Excellence, Taleghani Hospital, 2008 – 2009

Teaching Positions

Course Director and lecturer

Residency of Anesthesia, Shahid Beheshti University of Medical Sciences

Master of anesthesia education (technology), Shahid Beheshti University of Medical Sciences

Translations, Book chapters, guidelines

Participated in writing of 2 chapters of: *Dabbagh A*, Esmailian F (Eds). 2026 Postoperative Critical Care for Adult Cardiac Surgical Patients (3rd edition). Springer Publications. Available at <http://www.springer.com/gp/book/9783319757469>

- Dabbagh A, Madadi F, Sassan Sabouri A. The Role of AI After Cardiac Surgery. InPostoperative Critical Care for Adult Cardiac Surgical Patients 2026 Jan 10 (pp. 583-602). Cham: Springer Nature Switzerland.

- Baniani M, Madadi F, Dabbagh A. GI Complications and Their Management After Adult Cardiac Surgery. In Postoperative Critical Care for Adult Cardiac Surgical Patients 2026 Jan 10 (pp. 233-249). Cham: Springer Nature Switzerland.

Participated in writing of 3 chapters of: *Dabbagh A*, Sabouri AS (Eds). 2025. Artificial Intelligence in Anesthesiology. Anesthesiology Clinics. ISBN: 978-0-443-29670-3. Available at: <https://www.sciencedirect.com/journal/anesthesiology-clinics/vol/43/issue/3>

Participated in writing Principles of Anesthesia for medical students

Participated in writing 2024 Yearbook of Anesthesia

Participated in translation of the Periprosthetic joint infection Practical management guide book, written by, Javad Parvizi, Glenn J Kerr, Aaron Glynn, Carlos A Higuera, Erik N Hansen.

Participated in translation of Stoelting's anesthesia and co-existing disease, 8th edition

Participated in writing 2nd edition of national guideline for addicted parturient

Scholarly Publications

1. Moshari M, Gharehbeiglou M, Dabir S, Vosoughian M, Dahi M, Dabbagh A, Tabashi S, Ariannik M, Madadi F, Avval JO. Effects of Preanhepatic Glucose-Insulin Infusion on Metabolic and Hemodynamic Outcomes in Liver Transplantation: A Randomized Clinical Trial. Galen Medical Journal. 2025 Aug 19;14.
2. Moshari M, Tahery S, Taleghani MD, Dabir S, Vosoughian M, Tabashi S, Ariannik M, Madadi F. Comparison of the Effects of Sevoflurane and Isoflurane During Liver Transplant Surgery on the Short-Term Cardiac, Hepatic, and Renal Outcome: A Randomized Clinical Trial. Iranian Journal of Pharmaceutical Research: IJPR. 2026 Feb 11;25(1):e166290.

3. Sezari P, Madadi F, Asgari S. Cannulation of the Popliteal Vein as an Intraoperative Emergency Access in Prone Position: A Case Report. *Archives of Anesthesiology and Critical Care*. 2026 Jan 1;12(1):112-4.
4. Dabbagh A, Madadi F, Ebrahimi M. Translational medicine: An effective approach to improve healthcare by research and innovation in developing countries. *Medicine*. 2025 Dec 5;104(49):e46355.
5. Dabbagh, A., Ariannik, M., Madadi, F., Nashibi, M., Zangi, M., Amirdosara, M., & Asgari, S. Neuroscience and Anesthesiology: Could Anesthesiologist in the Developing Countries Serve as the Main Applied/Clinical Neuroscientists. *Journal of Cellular & Molecular Anesthesia*, 10(10).
6. Madadi F, Dabbagh A, Sabouri AS. Artificial Intelligence in Pediatric Anesthesia. *Anesthesiology clinics*. 2025 Sep 1;43(3):453-69. Dabbagh, A., Sabouri, A. S., & Madadi, F. (2025). Artificial Intelligence in Cardiovascular and Thoracic Anesthesia. *Anesthesiology Clinics*, 43(3), 471-489.
7. Madadi F, Kohzadi Z, Rahmatizadeh S, Sabouri AS, Dabbagh A. Artificial Intelligence-Driven Image and Data Analytics in Anesthesia. *Anesthesiology Clinics*. 2025 Sep 1;43(3):e1-5.
8. Dabbagh, A., Madadi, F., & Fakhrzadegan, M. Voices from the Frontline: Healthcare Workers' Perspectives on Government Health Reforms in Iran. *Clinical Medicine*, 488, 60-5.
9. Shokri, P., Zarif, M., Kharaz, L., Jahanian, A., Madadi, F., Vafaei, R., & Dabbagh, A. (2025). The impact of anesthesia instruments and drugs on the occurrence of vocal cord injury, systematic review and meta-analysis. *European Archives of Oto-Rhino-Laryngology*, 282(4), 1719-1730.
10. Dabbagh A, **Madadi F**, Ebrahimi M, Dabir S, Vosoughian M, Dahi M, Moshari M, Tabashi S, Ariannik M and Azizi Z (2025) Experimental implementation of the peripheral nerve block clinical registry: an observational study. *Front. Med*. 12:1486300. doi: 10.3389/fmed.2025.1486300

11. Vosoughian, M., Dabir, S., Dahi, M., Moshari, M., Tabashi, S., Madadi, F., & Ariannik, M. (2025). Factors Influencing the Rejection of Neuraxial Analgesia for Childbirth by Pregnant Women: A Cross-Sectional Study at a Single Medical Center. *Archives of Anesthesiology and Critical Care*, 11(2), 198-203.
12. Karimian M, Rahmatizadeh S, Kohzadi Z, Kohzadi Z, **Madadi F**, et al. Analyzing Patterns in Anesthesiology Residents' Exam Performance Using Data Mining Techniques. *Anesth Pain Med*. 2024;14(6):e151686. <https://doi.org/10.5812/aapm-151686>.
13. Dabbagh A, **Madadi F**, Larijani B. Role of AI in Competency-Based Medical Education: Using EPA as the Magicbox. *Arch Iran Med*. 2024 Nov 1;27(11):633-635. doi: 10.34172/aim.31795. Epub 2024 Nov 1. PMID: 39534999; PMCID: PMC11558609.
14. Minaei Noshahr R, Amouzadeh Omrani F, Yadollahzadeh Chari A, Salehpour Roudsari M, **Madadi F**, Shakeri Jousheghan S, Manafi-Rasi A. MicroRNAs in Aseptic Loosening of Prosthesis: Pathophysiology and Potential Therapeutic Approaches. *Arch Bone Jt Surg*. 2024;12(9):612-621. doi: 10.22038/ABJS.2024.70918.3319. PMID: 39498221; PMCID: PMC11531769.
15. Vosoughian M, Dabir S, Dahi M, Moshari M, Tabashi S, **Madadi F**, Ariannik M. Factors Influencing the Rejection of Neuraxial Analgesia for Childbirth by Pregnant Women: A Cross-Sectional Study at a Single Medical Center. *Arch Anesth & Crit Care*. 2024;.
16. Dahi M, Dabir S, **Madadi F**, Moshari M, Shakeri A, Yaghmaei M, et al. Anesthesia experience, clinical characteristics and outcomes of COVID positive childbirths during COVID-19 pandemic: an observational study at two teaching hospitals in Iran. *Anaesthesia, Pain & Intensive Care*. 2024;28(3):503-8.
17. Ebrahimi M, Dabbagh A, **Madadi F**. Propofol-induced hippocampal Neurotoxicity: A mitochondrial perspective. *Brain Research*. 2024:148841.

18. **Madadi F**, Behnaz F, Ariannia H, Faridi A, Khorasanizadeh M. Hypoglycemia-induced Bispectral index changes during Coronary Artery Bypass Surgery (CABG): A case report. *Novelty in Biomedicine*. 2024;12(2):83-5.
19. Moshari M, Tahmasebi Z, Dahi M, Vosoughian M, Dabir S, **Madadi F**, et al. The effect of different doses of neostigmine plus metoclopramide on the gastric residual volume in patients under enteral nutrition in intensive care unit. *Anaesthesia, Pain & Intensive Care*. 2024;28(1):33-8.
20. Vosoughian M, Dabir S, Dahi M, Moshari M, Tabashi S, **Madadi F**. Midwives' Attitudes to Painless Delivery: An Observational Study. *Arch Anesth & Crit Care*. 2023.
21. Jahangirifard A, Mirtajani SB, **Madadi F**. Effect of Desmopressin on Bleeding After Heart Surgeries: A Narrative Review. *Anesth Pain Med*. 2023;13(2):e133894. Published 2023 Mar 10.
22. Dahi M, Moshari M, Dabir S, Vosoghian M, Tabashi S, Tavakoli N, **Madadi F**. Effect of Vitamin C Infusion on Cerebral Oximetry During General Anesthesia for Carotid Endarterectomy in Diabetic Patients. *Anesth Pain Med*. 2023 Feb 12;13(1):e134000. doi: 10.5812/aapm-134000. PMID: 37404261; PMCID: PMC10317028.
23. Shahmohammadi, M., **Madadi, F.**, & Behnaz, F. (2023). Incompatible Blood Transfusion as a Result of a Well-Known Human Error; a Case Report. *Iranian Journal of Emergency Medicine*, 10(1), e10.
24. Azizi Farsani H., Arefian, N., Khorasanizadeh, S., Behnaz, F., **Madadi, F.** Does Erythropoietin Improve Consciousness in Severe Hypoxic Encephalopathy? *Journal of Iranian Medical Council*, 2022; 5(2): 328-333
25. Ommi D, **Madadi F**, Behnaz F. A case report of Acute Aortic Dissection and Tamponade in a Patient with Novel Coronavirus. *Journal of Iranian Medical Council*, 2022; 5(1): 221-224

26. **Madadi F**, Aghajani M, Dabbagh A, Fani K, Sehati F, Imani A. Effects of acute Pottasium Chloride Administration on Ventricular Dysrhythmias after Myocardial Infarction in a Rat Model of Ischemia/Reperfusion. *Journal of Tehran University Heart Center* 2022; 17(1): 15-21
27. Yazdanshenas H, Madadi F, Sadeghi-Naini M, **Madadi F**, Bugarin A, Sabagh MS, Hing C, Shamie AN, Hornicek FJ, Rudolph E. Introducing a Novel Combined Acetabuloplasty and Chondroplasty Technique for the Treatment of Developmental Dysplasia of the Hip. *Cureus* 2022; 14(1): e21787
28. Yazdanshenas H, **Madadi F**, Perez K, Rudolph E, Shamie A, Madadi F. Introducing an Innovative Method to Treat Spastic Cerebral Palsy with Faster Recovery Time: Post-Achilles Tendon Lengthening with Bandaging. *Journal of Biosciences and Medicines* 2021;9, 30-39
29. **Madadi F**, Madadi F, Osias E, Rudolph E, Shamie AN, Yazdanshenas H. Comparison of Effects of Medial Parapatellar and Subvastus Bilateral Simultaneous Approaches in Total Knee Arthroplasty. *Journal of Arthroplasty and Joint Surgery* 2021.8(4):350-353
30. Vosoughian M, Dabir SH, Dahi M, Moshari M, Tabashi S, **Madadi F**. Anesthetic management of a parturient with Spinal Muscle Atrophy for Cesarean Section: A case report. *Archives of Anesthesiology and Critical Care* 2020; 6(4): 194-196
31. **Madadi F**, Madadi F. Posterior cruciate ligament avulsion fixation: A minimally invasive retrograde fixation by a single cannulated screw. *Researcher Bulletin of Medical Sciences* 2020; 25(1): e2
32. Teymourian H, **Madadi F**, Khorasanizadeh Sh, Tizghadam A, Azizi Farsani H, Behnaz F, Dehkordi ME. Unusual Airway Obstruction during General Anesthesia following Endotracheal Tube Cuff Herniation; A Case Report.

Novelty in Biomedicine 2020; 9(3): 145-148

33. **Madadi F**. Ketamine, Xylazine, and Thiopental: Safety versus study Design in Animal Anesthesia Models. *Journal of Cellular and Molecular Anesthesia* 2020; 5(4): 277
34. Yazdanshenas H, Rudolph E, **Madadi F**, Madadi F, Shamie AN, Hornicek FJ, Azari K. Introducing and prospective efficacy comparison of an innovative and affordable technique for the treatment of distal radius fractures. *Journal of orthopaedics* 2019; 16(6): 596-602
35. **Madadi F**, Hekmat M, Ansari Aval Z, Bagheri A, Fani K, Ghanbarpour MH, Hamidzad M, Murodov M, Dabbagh A. The role of connective tissue genomics in ascending aortic dissection: A case of Marfan syndrome. *Journal of Cellular and Molecular Anesthesia* 2019; 4(3): 100-104
36. Madadi F, **Madadi F**, Moghaddam AS, Ashtiani AMT. Surgical treatment of Displaced Intra-Articular Calcaneal Fracture with Tri-Cortical Iliac Bone Graft. *J Bone Res* 2018; 6(187): 2
37. Madadi F, **Madadi F**, AS Moghaddam. Diagnostic Value of Imaging Modalities for Suspected Calcaneal Fracture: A Systematic Review of Literatures. *Clin Res Foot Ankle* 2016, 4:2
38. Madadi F, Tahririan MA, KaramiM, **Madadi F**. Complicated Congenital Dislocation of the Knee: A Case Report. *Arch Bone Jt Surg.* 2016; 4(4): 396-398.
39. Madadi F, **Madadi F**, Maleki A, Shamie AN, Washington ER, Yazdanshenas H. A new method for tibial torsion measurement by computerized tomography. *J Orthop* 2016; 13(1): 43-47
40. Yazdanshenas H, Madadi F, **Madadi F**, Washington III ER, Jones K, Shamie AN. Patellar tendon donor- site healing during six and twelve months after

Anterior cruciate ligament reconstruction. J Orthop 2015; 12(4): 179-183

41. Madadi F, Yeganeh MH, **Madadi F**, Hosseinzadeh HRS. Review article: New Anticoagulants Basic knowledge and clinical applicants Part 1. JBS Journal 2014; 1(1): 35-39
42. Madadi F, Yeganeh MH, **Madadi F**, Hosseinzadeh HRS. Review article: New Anticoagulants Basic knowledge and clinical applicants Part 2. JBS Journal 2014; 1(2): 97-100
43. Eajazi A, Madadi F, **Madadi F**, Boreiri M. Comparison of different methods of femoral fixation anterior cruciate ligament reconstruction. Acta Medica Iranica 2013; 51(7): 444-448
44. Madadi F, Yazdanshenas H, **Madadi F**, Bazargan-Hejazi S. Double acetabular wall a misleading point for hip arthroplasty: an anatomical, radiological, clinical study. International orthopaedics 2013; 37(6): 1007- 1011
45. Madadi F, Shamsian BS, Alavi S, **Madadi F**, Eajazi A, Aslani A. Avascular necrosis of the femoral head in children with acute lymphoblastic leukemia: A 4- to 9- year follow-up study. Orthopedics 2011; 34(10): e593-e597
46. Madadi F, Eajazi A, Kazemi SM, Harandi AA, **Madadi F**, Sharifzadeh SR. Total hip arthroplasty in advanced osteonecrosis: The short-term results by metal-on-metal hip resurfacing. Med Sci Monit. 2011; 17(2): CR78-CR82
47. Madadi F, Eajazi A, **Madadi F**, Besheli LD, Sadeghian R, Lari MN. Adult tibial shaft fractures – different patterns, various treatments and complications. Med Sci Mon. 2011; 17(11): CR640-CR645
48. Maleki A, Madadi F, Arjang R, **Madadi F**. Measurement of Tibial Torsion in Adult by Computerized Tomography. Iranian Journal of Orthopaedic Surgery 2011; 9(4): 152-157
49. Madadi F, Kahlaee AH, **Madadi F**, Sadeghian R, Emami TMM, Abbasian MR.

Congenital bony fusion (absence) of the knee: A case report. *The Knee* 2010; 17(6): 421-423

50. Madadi F, Mehrvarz AS, **Madadi F**, Boreiri M, Abachizadeh K, Ershadi A.
Comparison of drain clamp after bilateral total knee arthroplasty. *The journal of Knee Surgery* 2010; 23(4): 215-222
51. Madadi F, Eajazi A, **Madadi F**, Besheli LD, Rokni R, Abbasian MR, Bigdeli MR. Clinical results of reversed V-shaped high tibial corticotomy with minimally invasive surgery without internal fixation devices. *Orthopedics*; 33(6): 1-7
52. Madadi F, Farahmandi MV, Eajazi A, Besheli LD, **Madadi F**, Lari MN.
Epidemiology of adult tibial shaft fractures: a 7-year study in a major referral orthopedic center in Iran. *Medical Science Monitor* 2010; 16(5): CR217-CR221
53. Madadi F, Sarmadi A, Kahlaee AH, **Madadi F**, Sadeghian R, Rahimi F, Emami TMM. A new hybrid fixation method in ACL reconstruction surgery. *European Journal of Orthopaedic Surgery & Traumatology* 2010; 20(2): 137-140
54. Madadi F, Okhovatpour MA, Mehrvarz SA, **Madadi F**, Borairi M. Central Osteophytes in Acetabulum: Patterns and Importance in Hip Arthroplasty. *Iranian Journal of Orthopaedic Surgery* 2010; 8(231): 73-78
55. Madadi F, Abbasian MR, Rahimi F, Lahiji FA, Harandi AA, **Madadi F**, Farahmand F, Yazdanyar T, Sadeghian R. *Iranian Journal of Orthopaedic Surgery* 2008; 6(4): 164-171

GBD Collaborations:

1. Kim S, Oh J, Shin JI, Aalruz H, Abbas N, Abdulmalik AE, Aboagye RG, Abohashem S, Abu-Zaid A, Addo IY, Addolorato G. Global burden of metabolic dysfunction-associated steatotic liver disease, 1990–2023, and projections to 2050: a systematic

analysis for the Global Burden of Disease Study 2023. *The Lancet Gastroenterology & Hepatology*. 2026 Jun 1;11(6):463-94.

2. Faith J, Martopullo I, Arndt MB, Letourneau ID, Aalruz H, Abaraogu UO, Abbastabar H, Razeq NM, Aziz JM, Abdulah DM, Abdullahi A. Global, regional, and national levels and trends in maternal mortality, progress towards the Sustainable Development Goals, and mortality from COVID-19 infection in pregnant women, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet Obstetrics, Gynaecology, & Women's Health*. 2026 May 1;2(5):e375-424.
3. Global Burden of Cardiovascular Diseases and Risks 2023 Collaborators. Global, regional, and national burden of cardiovascular diseases and risk factors in 204 countries and territories, 1990-2023. *Journal of the American College of Cardiology*. 2025 Dec 2;86(22):2167-243.
4. Sirota SB, Bender RG, Dominguez RM, Movo A, Swetschinski LR, Araki DT, Han C, Wool EE, He J, Carter A, Jabbar AA. Global burden of lower respiratory infections and aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet infectious diseases*. 2026 Apr 1;26(4):343-61.
5. Schumacher AE, Zheng P, Barber RM, Aalipour MA, Aalruz H, Ababneh HS, Abaraogu UO, Abbafati C, Abbas N, Abbasifard M, Abbaspour F. Global age-sex-specific all-cause mortality and life expectancy estimates for 204 countries and territories and 660 subnational locations, 1950–2023: a demographic analysis for the Global Burden of Disease Study 2023. *The Lancet*. 2025 Oct 18;406(10513):1731-810.
6. GBD 2023 Vaccine Coverage Collaborators (2025). Global, regional, and national trends in routine childhood vaccination coverage from 1980 to 2023 with forecasts to 2030: a systematic analysis for the Global Burden of Disease Study 2023. *Lancet (London, England)*, 406(10500), 235–260. [https://doi.org/10.1016/S0140-6736\(25\)01037-2](https://doi.org/10.1016/S0140-6736(25)01037-2).

7. Hay SI, Ong KL, Santomauro DF, Aalipour MA, Aalruz H, Ababneh HS, Abaraogu UO, Abate BB, Abbafati C, Abbas N, Abbasifard M. Burden of 375 diseases and injuries, risk-attributable burden of 88 risk factors, and healthy life expectancy in 204 countries and territories, including 660 subnational locations, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet*. 2025 Oct 18;406(10513):1873-922.

Patents

MADADI, Firoozeh, MADADI, Firooz, 24 October 2014, Intertrochanteric fixation device, PCT/IB2015/058023 filed on 19 October 2015 and issued on 28 April 2016

Source: WIPO International Bureau database

Recent Research Projects

Organized Workshops
