

Ali Dabbagh

Department of Anesthesiology,
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Education

Fellowship: Cardiac Anesthesia, Iran University of Medical Sciences, 2007.

Residency.: Anesthesiology, Shahid Beheshti University of Medical Sciences, 2002.

MD: Isfahan University of Medical Sciences, 1997.

MSc.: Medical Education, Shahid Beheshti University of Medical Sciences, 2021.

Faculty Appointments

Professor, Department of Anesthesiology, School of Medicine, Shahid Beheshti University of Medical Sciences, 2013- *present*.

Associate Professor, Department of Anesthesiology, School of Medicine, Shahid Beheshti University of Medical Sciences, 2009 - 2013.

Assistant Professor, Department of Anesthesiology, School of Medicine, Shahid Beheshti University of Medical Sciences, 2003-2009.

International Academic Experiences

Visiting Professor (Pediatric Cardiac Anesthesia), Lucile Packard Children's Hospital, Stanford University, Palo Alto, CA, United States, 2024

Visiting Professor (Pediatric Cardiac Anesthesia), Hospital for Sick Children, SickKids Learning Institute, Toronto, ON, CA, 2018

Visiting Professor (Pediatric Cardiovascular Anesthesiology), Texas Children's Hospital: Houston, TX, US, 2014.

Academic and Executive Appointments

Professor, Anesthesiologist; Fellowship in Cardiac Anesthesiology

Editor in Chief, JCMA (Journal of Cellular & Molecular Anesthesia), 2016-present

Member of the Governing Board, Iranian Medical Council, 2017-present

Chief, Anesthesiology Research Center, Shahid Beheshti University of Medical Sciences, 2017-present

Chief, Anesthesiology Department, School of Medicine, Shahid Beheshti University of Medical Sciences, 2016-2020

Deputy of Administration and development, School of Medicine, Shahid Beheshti University of Medical Sciences, 2017-2018

Chief, Office of CME, Shahid Beheshti University of Medical Sciences, 2014-2017

Vice Chancellor of Dean in Students Affairs, Shahid Beheshti University of Medical Sciences, 2010-2011.

Deputy of Research, School of Medicine, Shahid Beheshti University of Medical Sciences, 2007-2010

Membership and Professional Appointments

Member, Iranian Society of Anesthesiologists.

Member, Iranian Society of Cardiac Anesthesiologists.

Member, Iranian Society of Medical Educationists (IRSOM).

Member, Iranian Medical Council.

International Cooperation

Program Director; Cardiac Anesthesiology fellowship program development, Shahid Beheshti University of Medicine, Tehran, Iran

Volunteer Peer Reviewer, British Journal of Anaesthesia, 2000 to present

Volunteer Peer Reviewer, Military Medicine Journal, Bethesda, MD, US, 1999 to present

Volunteer Peer Reviewer, Indian Journal of Anaesthesia; 2010 to present

Cooperating with EMRO, WHO, Taking part in the clinical use of blood workshop; 21-24 October 2003; EMRO; Cairo; Egypt

Teaching Positions

Course Director and lecturer (Graduate courses)

Fellowship of Anesthesiology, Shahid Beheshti University of Medical Sciences

Residency of Anesthesia, Shahid Beheshti University of Medical Sciences

Published Books

- ***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***, 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>
- ***Dabbagh A***, Conte, AH, Lubin L (Eds). 2023. **Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management**. ISBN 978-3-031-10441-1. Springer Publications. Available at: <https://link.springer.com/book/10.1007/978-3-031-10442-8>
- ***Dabbagh A*** (Ed). 2021. **Personalized Medicine in Anesthesia, Pain and Perioperative Medicine**. Springer Publications. Available at <https://www.springer.com/gp/book/9783030535247>
- ***Dabbagh A***, Esmailian F, Aranki S (Eds). 2018. **Postoperative Critical Care for Adult Cardiac Surgical Patients (2nd edition)**. Springer Publications. Available at <http://www.springer.com/gp/book/9783319757469>
- ***Dabbagh A***, Conte, AH, Lubin L (Eds). 2017. **Congenital Heart Disease in Pediatric and Adult Patients: Anesthetic and Perioperative Management**. ISBN 978-3-319-44689-9. Springer Publications. Available at: <http://www.springer.com/us/book/9783319446899>
- ***Dabbagh A***, Esmailian F, Aranki S (Eds). 2014. **Postoperative Critical Care for Cardiac Surgical Patients**. ISBN 978-3-642-40417-7. Springer Publications. Available at: <http://www.springer.com/us/book/9783642404177>

Book Chapters

1. Parhizkari, F., Shams, M., ***Dabbagh, A.***, Abdelwahab, M. (2025). Laboratory Diagnosis of Congenital Tissue Factor Pathway Inhibitor. In: Dorgalaleh, A., Samadov, A. (eds) Laboratory Investigations of Thrombophilia. Springer, Cham. https://doi.org/10.1007/978-3-031-90986-3_10
2. Bahraini, M., Shams, M., ***Dabbagh, A.*** (2025). Laboratory Diagnosis of Tissue Plasminogen Activator Deficiency. In: Dorgalaleh, A., Samadov, A. (eds) Laboratory Investigations of Thrombophilia. Springer, Cham. https://doi.org/10.1007/978-3-031-90986-3_11
3. Fazeli, A., Shams, M., ***Dabbagh, A.***, Abdelwahab, M. (2025). Laboratory Diagnosis of Combined Inherited/Genetic Thrombophilia. In: Dorgalaleh, A., Samadov, A. (eds) Laboratory Investigations of Thrombophilia. Springer, Cham. https://doi.org/10.1007/978-3-031-90986-3_12

Scholarly Publications

Peer-reviewed Research Publications:

1. **Dabbagh A**, Madadi F, Ebrahimi M. Translational medicine: An effective approach to improve healthcare by research and innovation in developing countries. *Medicine (Baltimore)*. 2025;104(49):e46355.
2. Eslamizade MJ, **Dabbagh A**, Karimzadeh F, Janahmadi M, Saffarzadeh F. GABAergic dynamics in thalamocortical circuits: Insights into absence seizures and hyperinhibition. *Eur J Pharmacol*. 2026;1015:178550.
3. Taheran L, Zali H, Ajoudanian M, Safari MS, Rajaei S, Hajimahdi Z, **Dabbagh A**. Anti-Neuroinflammatory Potential of Drospirenone in A TLR4-Driven In Vitro Model of Neuropathic Pain. *Cell J*. 2025;27(1):1-9.
4. **Dabbagh A**, Pourahmad J, Farrokhian A. Mitotherapy and the Possibility of Energetic Rescue in Evolving Brain Death. *Iran J Pharm Res*. 2025;24(1):e168337.
5. Memari B, Fani K, **Dabbagh A**, Parast ARV. Effect of oral l-carnitine on hepatic function in pediatric patients under repair of congenital cardiac defect. *Ann Med Surg (Lond)*. 2025;87(12):8334-41.
6. Rahmatizadeh S, Kohzadi Z, **Dabbagh A**, Emami H, Kohzadi Z, Taheri M. Telemedicine Solutions for Chronic Pain: Design, Implementation, and Evaluation of a Novel System. *Anesth Pain Med*. 2025;15(5):e165256.
7. Mofidi F, Kavand S, Doaei S, Shahrabi M, Javid Z, Norouzi M, **Dabbagh A**, et al. Probiotic supplementation and postoperative antioxidant response in patients undergoing open-heart surgery: a randomized controlled trial. *Cardiovasc Endocrinol Metab*. 2026;15(1):e00351.
8. Global burden of lower respiratory infections and aetiologies, 1990-2023: a systematic analysis for the Global Burden of Disease Study 2023. *Lancet Infect Dis*. 2025. S1473-3099(25)00689-9.
9. Global, regional, and national sepsis incidence and mortality, 1990-2021: a systematic analysis. *Lancet Glob Health*. 2025;13(12):e2013-e26.
10. Global burden of 292 causes of death in 204 countries and territories and 660 subnational locations, 1990-2023: a systematic analysis for the Global Burden of Disease Study 2023. *Lancet*. 2025;406(10513):1811-72.
11. 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. *Lancet*. 2025;406(10513):1731-810.
12. 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. *Lancet*. 2025;406(10513):1873-922.
13. Global, Regional, and National Burden of Cardiovascular Diseases and Risk Factors in 204 Countries and Territories, 1990-2023. *J Am Coll Cardiol*. 2025;86(22):2167-243.
14. **Dabbagh A**. A Decade of Translational Anesthesiology: Reflections and the Road Ahead. *J Cell Mol Anesth*. 2026;11(1):e168846.

15. **Dabbagh A**, Shakeri A, Madadi F. Report on the Development and Execution of the First International Congress of Translational Anesthesiology in Association with Tech-Talk. *J Cell Mol Anesth*.2025;10(4):e166937.
- 16.
17. **Dabbagh A**, Sabouri AS. Toward Artificial Intelligence–Driven Precision Anesthesia. *Anesthesiol Clin*. 2025;43(3):xv–xvii.
18. **Dabbagh A**, Sabouri AS. The Role of Artificial Intelligence in Medicine with a Special Focus on Anesthesiology and Perioperative Care. *Anesthesiol Clin*. 2025;43(3):389-403.
19. **Dabbagh A**, Sabouri AS, Madadi F. Artificial Intelligence in Cardiovascular and Thoracic Anesthesia. *Anesthesiol Clin*. 2025;43(3):471-90.
20. Madadi F, Kohzadi Z, Rahmatizadeh S, Sabouri AS, **Dabbagh A**. Artificial Intelligence-Driven Image and Data Analytics in Anesthesia. *Anesthesiol Clin*. 2025;43(3s):e1-e15.
21. Madadi F, **Dabbagh A**, Sabouri AS. Artificial Intelligence in Pediatric Anesthesia. *Anesthesiol Clin*. 2025;43(3):453-70.
22. Medeiros HJS, **Dabbagh A**, Vlassakov K, Sabouri AS. Artificial Intelligence in Regional Anesthesia and Pain Management. *Anesthesiol Clin*. 2025;43(3):491-506.
23. Rahmatizadeh S, **Dabbagh A**, Shabani F. Foundations of Artificial Intelligence: Transforming Health Care Now and in the Future. *Anesthesiol Clin*. 2025;43(3):405-18.
24. Sezari P, Sabouri AS, **Dabbagh A**, Karimian M. Applied Artificial Intelligence in Airway Management: A Narrative Review. *Anesthesiol Clin*. 2025;43(3):453-70.
25. 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. *Lancet*. 2025;406(10513):1873-922.
26. Global burden of 292 causes of death in 204 countries and territories and 660 subnational locations, 1990-2023: a systematic analysis for the Global Burden of Disease Study 2023. *Lancet*. 2025;406(10513):1811-72.
27. 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. *Lancet*. 2025;406(10513):1731-810.
28. Namazi MH, Alipour-Parsa S, Khani M, Eslami V, Safi M, Vakili H, **Dabbagh A**, et al. Trans-Catheter Aortic Valve Replacement (AVR) in Severe Aortic Stenosis: A 3-year Experience in Modarres Hospital (A Tertiary University Hospital, Tehran, Iran). *Int Cardiovasc Res J*. 2025;19(1):e161526.
29. **Dabbagh A**. The Role of Brain Computer Interface in Regional Anesthesia. *J Cell Mol Anesth* 10(2):e162947.
30. **Dabbagh A**, Madadi F, Fakhrzadegan M. Voices from the Frontline: Healthcare Workers' Perspectives on Government Health Reforms in Iran. *Arch Iran Med*. 2025;28(7):1-6.
31. **Dabbagh A**, Madadi F, Ebrahimi M, Dabir S, Vosoughian M, Dahi M, et al. Experimental implementation of the peripheral nerve block clinical registry: an observational study. *Front Med (Lausanne)*. 2025;12:1486300.

32. Karimian M, **Dabbagh A**, Sezari P, Fani K, Shahrabi M, Shakeri A. The Magnitude of Anesthesiology Residents Burnout at Shahid Beheshti University of Medical Sciences: A Cross-Sectional Study. *Anesth Pain Med.* 2025;15(2):e159987.
33. Ghanbarpour MH, **Dabbagh A**, Jahangirifard A, Shafigh N, Fani M, Fani K. The Effect of Intraoperative Dexmedetomidine on Postoperative Delirium Sedation Agitation Score in cardiac surgery. *Anesth Pain Med.* 2025;15(2):e156544.
34. Karimian M, Rahmatizadeh S, Kohzadi Z, Kohzadi Z, Madadi F, **Dabbagh A**, et al. Analyzing Patterns in Anesthesiology Residents' Exam Performance Using Data Mining Techniques. *Anesth Pain Med.* 2024;14(6):e151686.
35. Sezari P, Kohzadi Z, **Dabbagh A**, Jafari A, Khoshtinatan S, Mottaghi K, et al. Unravelling intubation challenges: a machine learning approach incorporating multiple predictive parameters. *BMC Anesthesiol.* 2024;24(1):453.
36. Karimian M, Rahmatizadeh S, Kohzadi Z, Kohzadi Z, Madadi F, **Dabbagh A**, et al. Analyzing Patterns in Anesthesiology Residents' Exam Performance Using Data Mining Techniques. *Anesth Pain Med.* 2024;14(6):e151686.
37. Abin AA, Molla A, Ejmalian A, Nabavi S, Memari B, Fani K, **Dabbagh A**, et al. Anesthetic Management Recommendations Using a Machine Learning Algorithm to Reduce the Risk of Acute Kidney Injury After Cardiac Surgeries. *Anesth Pain Med.* 2024;14(3):e143853.
38. Jahangirifard A, Zarimeydani N, Daneshmand M, Rafiei K, Mirtajani SB, Hossein Ahmadi Z, **Dabbagh A**, et al. Comparison Between Continuous Non-invasive Arterial Pressure (CNAP) and Invasive Arterial Pressure Monitoring During Weaning from CPB in Patients Undergoing CABG Surgery: A Comparative Case Study. *J Cell Mol Anesth.* 2024;9(4):e148317.
39. **Dabbagh A**, Ahmadizadeh SN, Behnaz F, Fani K, Ghasemi M, Goharani R, et al. Faculty Development Program and the Outcome of Academic Development. *Journal of Iranian Medical Council.* 2024;7(3):463-74.
40. **Dabbagh A**, Madadi F, Larijani B. Role of AI in Competency-Based Medical Education: Using EPA as the Magicbox. *Arch Iran Med.* 2024;27(11):633-5.
41. Shokri P, Zarif M, Kharaz L, Jahanian A, Madadi F, Vafaei R, **Dabbagh A**. The impact of anesthesia instruments and drugs on the occurrence of vocal cord injury, systematic review and meta-analysis. *Eur Arch Otorhinolaryngol.* 2025;282(4):1719-30.
42. Ebrahimi M, **Dabbagh A**, Madadi F. Propofol-induced hippocampal Neurotoxicity: A mitochondrial perspective. *Brain Res.* 2024;1831:148841.
43. Aghajani Daronkola M, **Dabbagh A**, Shams M, Tabibian S, Hosseini S, Safdari SM, et al. Falsely prolonged prothrombin time test in a patient with erythrocytosis: a case report. *Blood Coagul Fibrinolysis.* 2024;35(3):136-8.
44. Dorgalaleh A, Safdari SM, Tabibian S, Shams M, **Dabbagh A**, Rezazadeh A. Congenital Bleeding Disorders and COVID-19-A Systematic Literature Review. *Semin Thromb Hemost.* 2024;50(4):552-68.
45. Hashemi S, Yousefzadeh Z, Abin AA, Ejmalian A, Nabavi S, **Dabbagh A**. Machine Learning-Guided Anesthesiology: A Review of Recent Advances and Clinical Applications. *J Cell Mol Anesth.* 2024;9(1):e145369.

46. Zia A, Shams M, **Dabbagh A**, Shahsavari M, Dorgalaleh A. Cancer-associated thrombosis: the role of inherited thrombophilia. *Blood Coagul Fibrinolysis*. 2024;35(6):297-302.
47. Ahmady S, Khoshgoftar Z, **Dabbagh A**. Attitudes of Anesthesiology Postgraduate Residents Toward the Influential Factors in Their Success in the Iranian National Board Exam. *Anesth Pain Med*. 2023, 13(4), e135118.
48. **Dabbagh, A**. Exosomes Are the “Novel Anesthetics”. *J Cell Mol Anesth*. 2023, 8(4). 219–220.
49. Memary E, Imani A, Arhamidolatabadi A, Fadavi P, Aghajani M, Mohebzadeh F, Shahverdi-Shahraki M, **Dabbagh A**, Mirkheshti A, Shirian S. The Neuroprotective Effects of Administration of Methylprednisolone in Cardiopulmonary Resuscitation in Experimental Cardiac Arrest Model. *Cell Mol Neurobiol*. 2023, 43(5): 2243–55.
50. Karimian M, **Dabbagh A**. The Sun Will Be Shining in the Pain Management Sky. *J Cell Mol Anesth*. 2023, 8(2): 71–72.
51. Sepehri Nour M, **Dabbagh A**, Fani K. Comparative Assessment of Propofol and Ketamine on Hemodynamic Indices and Cerebral Oximetry of Pediatric Patients Undergoing Cardiac Catheterization. *Anesth Pain Med*. 2022;12(6):e128763.
52. Taheran L, Zali H, Sharifi K, Yazdani M, Ajoudanian M, Safari MS, **Dabbagh A**, et al. Inhibitory Effects of Dutasteride on TLR4: An In vitro Pain Study. *Iran J Allergy Asthma Immunol*. 2022;21(5):574-83.
53. **Dabbagh A**, Fadaeizadeh L, Gharaei B, Ghasemi M, Kamranmanesh M, Khorasanizadeh S, et al. The Role of Entrustable Professional Activities in Competency-based Medical Education for Anesthesiology Residents: A Pilot Phase. *Anesth Pain Med*. 2022;12(5):e130176.
54. Dorgalaleh A, Bahraini M, Shams M, Parhizkari F, **Dabbagh A**, Naderi T, et al. Molecular basis of rare congenital bleeding disorders. *Blood Rev*. 2023;59:101029.
55. Khalilian MR, Baghaei Tehrani R, **Dabbagh A**, Sadr S, Norouzi AR. Pulmonary Artery Sling Associated with Stridor from Early Infancy: A Case Report. *Tanaffos*. 2022;21(2):249-52.
56. INSPIRATION INVESTIGATORS. Durable functional limitation in patients with coronavirus disease-2019 admitted to intensive care and the effect of intermediate-dose vs standard-dose anticoagulation on functional outcomes. *Eur J Intern Med*. 2022;103:76-83.
57. **Dabbagh A**. Neuroprotection is Always Critical! *J Cell Mol Anesth*. 2023;8(1):1-2.
58. **Dabbagh A**. Insulin Neuroprotection: Would We Experience the Second Insulin-Related Turning Point? *J Cell Mol Anesth*. 2022;7(4):195-6.
59. Mokhtari M, Amirdosara M, Goharani R, Zangi M, Tafrishinejad A, Nashibi M, **Dabbagh A**, et al. The Predictive Power of Near-Infrared Spectroscopy in Improving Cognitive Problems in Patients Undergoing Brain Surgeries: A Systematic Review. *Anesth Pain Med*. 2022;12(1):e116637.
60. Ejmalian A, Aghaei A, Nabavi S, Abedzadeh Darabad M, Tajbakhsh A, Abin AA, **Dabbagh A**, et al. Prediction of Acute Kidney Injury After Cardiac Surgery Using Interpretable Machine Learning. *Anesth Pain Med*. 2022;12(4):e127140.
61. INSPIRATION-S Investigators. **Atorvastatin versus placebo in patients with covid-19 in intensive care: randomized controlled trial**. *BMJ*. 2022;376:e068407.
62. Sadeghipour P, Talasaz AH, Rashidi F, Sharif-Kashani B, Beigmohammadi MT, Farrokhpour M, Sezavar SH, Payandemehr P, **Dabbagh A**, et al. **Effect of Intermediate-Dose vs Standard-Dose Prophylactic Anticoagulation on Thrombotic Events, Extracorporeal Membrane**

- Oxygenation Treatment, or Mortality Among Patients With COVID-19 Admitted to the Intensive Care Unit: The INSPIRATION Randomized Clinical Trial.** JAMA. 2021; 325(16):1620-30.
63. Bikdeli B, Talasaz AH, Rashidi F, Bakhshandeh H, Rafiee F, Rezaeifar P, Baghizadeh E, Matin S, Jamalkhani S, Tahamtan O, Sharif-Kashani B, Beigmohammadi MT, Farrokhpour M, Sezavar SH, Payandemehr P, **Dabbagh A**, et al. **Intermediate-Dose versus Standard-Dose Prophylactic Anticoagulation in Patients with COVID-19 Admitted to the Intensive Care Unit: 90-Day Results from the INSPIRATION Randomized Trial.** Thromb Haemost. 2021.
 64. Mokhtari M, Amirdosara M, Goharani R, Zangi M, Tafrishinejad A, Nashibi M, **Dabbagh A**, et al. **The Predictive Power of Near-Infrared Spectroscopy in Improving Cognitive Problems in Patients Undergoing Brain Surgeries: A Systematic Review.** Anesth Pain Med. 2022;12(1):e116637.
 65. **Dabbagh A**. Regenerative Medicine: Fact or Myth? J Cell Mol Anesth. 2022;7(1):1.
 66. **Dabbagh A**. Every Minute Counts: Procedure Time, Cell Fate, and Clinical Outcome. J Cell Mol Anesth. 2021;6(4):284–5.
 67. Mohajerzadeh L, Ansari Aval Z, Beheshti Monfared M, Nazari S, **Dabbagh A**, Mirjafari SA, et al. **A Cardiac Approach to Wilms Tumor with Tumor Thrombus Extension to the Right Atrium Without Cardiopulmonary Bypass: A 5-Year Follow-up.** 2021;14(5):e106395.
 68. Madadi F, Aghajani M, **Dabbagh A**, Fani K, Sehati F, Imani A. **Effects of Acute Potassium Chloride Administration on Ventricular Dysrhythmias after Myocardial Infarction in a Rat Model of Ischemia/Reperfusion.** J Tehran Heart Cent. 2022;17(1):15-21.
 69. **Dabbagh A**, Gandomkar R, Farzanegan B, Gandomkar R, Jaffari A, Massoudi N, Mirkheshti A, Moshari M, Nashibi M, Razavi S, Sezari P, Tabashi S, Tajbakhsh A, Vosoughian M. **Residency Education Reform Program in Department of Anesthesiology and Critical Care: An Academic Reform Model.** Anesth Pain Med. 2021;11(3):e113606.
 70. Dorgalaleh A, Tabibian S, Baghaipour MR, **Dabbagh A**, Bahoush G, Jazebi M, Bahraini M, Fazeli A, Yousefi F. **Challenges and concerns of patients with congenital bleeding disorders affected by coronavirus disease 2019.** Blood Coagul Fibrinolysis. 2021;32(3):200-3.
 71. Dorgalaleh A, Tabibian S, Mohammadamini M, Bahraini M, **Dabbagh A**, Noroozi-Aghideh A, Shams M, Anvar A, Namvar A, Baghaipour MR, Rad F, Azadi P. **Do congenital bleeding disorders have a protective effect against COVID-19? A prospective study.** Int J Lab Hematol. 2021;43(3):e124-e127.
 72. Dabir S, Hoseinzadeh M, Mosaffa F, Hosseini B, Dahi M, Vosoughian M, Moshari M, Tabashi S, **Dabbagh A**. **The Effect of Repeated Direct Observation of Procedural Skills (R-DOPS) Assessment Method on the Clinical Skills of Anesthesiology Residents.** Anesth Pain Med. 2021;11(1):e111074.
 73. Rad F, **Dabbagh A**, Dorgalaleh A, Biswas A. **The Relationship between Inflammatory Cytokines and Coagulopathy in Patients with COVID-19.** J Clin Med. 2021;10(9).

74. Fani K, Ghahremani M, Fathi M, Massoudi N, Tavana S, Noorae N, Malekpour Alamdari N, Besharat S, Najafi Abrandabadi A, Pirsalehi A, Khabiri Khatiri MA, Amini Pouya M, Rajaei S, **Dabbagh A**. **Exogenous surfactant versus placebo in the treatment of moderate and severe ARDS in COVID-19: the pilot study of a clinical trial**. Iranian Journal of Pharmaceutical Research; 2021; 20(3): 553-9.
75. Foroughi M, Mohammadi Z, Majidi Tehrani M, Bakhtiari M, **Dabbagh A**, Haji Molahoseini M. **The Effect of Erythropoietin Administration on the Serum Level of YKL-40, pro-BNP and IL-6 in Coronary Surgery Patients**. Iran J Pharm Res. 2020;19(3):430-9.
76. Safari S, Salimi A, Zali A, Jahangirifard A, Bastanhagh E, Aminnejad R, **Dabbagh A**, Lotfi AH, Saeidi M. **Extracorporeal Hemoperfusion as a Potential Therapeutic Option for Severe COVID-19 patients; a Narrative Review**. Arch Acad Emerg Med. 2020;8(1):e67.
77. Sezari P, Tajbakhsh A, Massoudi N, Arhami A, Tabashi S, Sayyadi S, Vosoughian M, **Dabbagh A**. **Evaluation of one-day multiple-choice question workshop for anesthesiology faculty members**. Anesth Pain Med. 2020;10(6):e111607.
78. Bikdeli B, Talasaz AH, Rashidi F, Sharif-Kashani B, Farrokhpour M, Bakhshandeh H, Sezavar H, **Dabbagh A**, Beigmohammadi MT, Payandemehr P, Yadollahzadeh M, Riahi T, Khalili H, Jamalkhani S, Rezaeifar P, Abedini A, Lookzadeh S, Shahmirzaei S, Tahamtan O, Matin S, Amin A, Parhizgar SE, Jimenez D, Gupta A, Madhavan MV, Parikh SA, Monreal M, Hadavand N, Hajighasemi A, Maleki M, Sadeghian S, Mohebbi B, Piazza G, Kirtane AJ, Lip GYH, Krumholz HM, Goldhaber SZ, Sadeghipour P. **Intermediate versus standard-dose prophylactic anticoagulation and statin therapy versus placebo in critically-ill patients with COVID-19: Rationale and design of the INSPIRATION/INSPIRATION-S studies**. Thromb Res. 2020;196:382-394.
79. Dorgalaleh A, Baghaipour MR, Tabibian S, Ghazizadeh F, **Dabbagh A**, Bahoush G, Jazebi M, Bahraini M, Fazeli A, Baghaipour N, Yousefi F. **Gastrointestinal bleeding in a newborn infant with congenital factor X deficiency and COVID-19-A common clinical feature between a rare disorder and a new, common infection**. Int J Lab Hematol. 2020;42(6):e277-e9.
80. **Dabbagh A**, Sezari P, Tabashi S, Tajbakhsh A, Massoudi N, Vosoughian M, Moshari M, Jaffari A, Nooraei N, Sabouri AS, Shojaei S, Salarian S. **Attitudes of Anesthesiology Residents Toward a Small Group Blended Learning Class**. Anesth Pain Med. 2020;10(3):e103148.
81. **Dabbagh A**, Rajaei S, Ghahremani M, Fathi M, Massoudi N, Tavana S, Fani K, Noorae N, Malekpour Alamdari N, Besharat S, Najafi Abrandabadi A, Pirsalehi A, Khabiri Khatiri MA. **The effect of surfactant on clinical outcome of patients with COVID-19 under mechanical ventilation: A structured summary of a study protocol for a randomised controlled trial**. Trials. 2020;21(1):919.
82. **Dabbagh A**, Elyassi H, Sabouri AS, Vahidshahi K, Ziaee SAM. **The role of integrative educational intervention package (Monthly ITE, Mentoring, Mocked OSCE) in improving successfulness for anesthesiology residents in the national board exam**. Anesth Pain Med. 2020;10(2):e98566.

83. **Dabbagh A.** The role of Instagram in public health education in COVID-19 in Iran. *J Clin Anesth.* 2020;65:109887
84. Alamdari NM, Afaghi S, Rahimi FS, Tarki FE, Tavana S, Zali A, Fathi M, Besharat S, Bagheri L, Pourmotahari F, Naghibi Irvani SS, **Dabbagh A**, Mousavi SA. **Mortality Risk Factors among Hospitalized COVID-19 Patients in a Major Referral Center in Iran.** *Tohoku J Exp Med.* 2020;252(1):73-84.
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Recent Research Projects

- Inhibitory effect of Dutasteride on TLR4: an in-vitro neuropathic pain model (in progress)
- Investigation of thrombosis and homeostasis disorders in hospitalized (in progress)
- Evaluation of the effect of exogenous surfactant through nebulizer mask on clinical outcomes in Covid-19 patient (in progress)
- Study of antagonist effects of Conivaptan on TLR4 in astrocytes for inhibition of neuropathic pain induced by glial activation on an in-vitro model of neuropathy (in progress)
- Evaluation of the Quality of Life (QOL) in Patients with Rare Coagulation Factor Disorders/Deficiencies (RCFDs) Based on Severity of the Disorders (in progress)
- Assessment of platelet aggregation changes in patients with COVID-19 (in progress)
- A Survey of Attitudes of Anesthesia Residents Graduated from Shahid Beheshti University of Medical Sciences towards the Supporting and impeding Factors of Their Success in the National Board Exam (in progress)
- The effect of surfactant on clinical outcome in patients with Covid-19 under mechanical ventilation
- A demographic assessment of COVID 19 patients in a university hospital
- Evaluation of hematological findings and diagnostic values of these findings in patients with COVID-19
- How to manage perioperative patient flow during the COVID-19 pandemic?
- The role of Artificial Intelligence in Management of Critical COVID-19 patients
- COVID-19 in pediatric patients: A case series
- Evaluation of one-day multiple-choice question workshop for anesthesiology faculty members
- The role of Repeated Direct Observation of Procedural Skills (R-DOPS) method in the assessment of the progressive skills of anesthesiology resident
- Evaluation of the severity of Covid-19 among patients with congenital bleeding disorders

- The attitudes of 3rd-year anesthesiology residents towards passing a 1-month rotation as independent anesthesia care in district hospitals; Shahid Beheshti University of Medical Sciences
- Attitudes of junior faculty members towards the effect of an intra-departmental faculty development program on their scholar activities
- The relationship between “simulated patient scenarios and role-playing” method with OSCE performance in senior anesthesiology residents: a correlation assessment study
- Prevalence of Covid-19 and severity of clinical symptoms due to SARS-CoV-2 virus infection in patients with congenital bleeding disorders
- Attitudes of anesthesiology residents towards a small group blended learning class
- Efficacy of acute potassium administration on ventricular arrhythmias after myocardial ischemia-reperfusion in male rat
- The effect of local Bevacizumab (Avastin) on pericardial adhesion in "redo" cardiac surgery mice
- Evaluation of the effect of Antithrombin gene (SERPINC1) polymorphisms on heparin resistance in patients with cardiac pulmonary bypass surgery

Organized Workshops

- Postoperative pain management in cardiac surgery patients. 30.06.2012, 15th World Congress of Pain Clinicians. Granada, Spain.
- Scientific writing workshop for the faculty of the medical school (primary level); Research Deputy; School of Medicine; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (6 series of workshops; as the workshop manager and tutor).
- Scientific writing workshop for the faculty of the medical school (intermediate level); Research Deputy; School of Medicine; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (4 series of workshops; as the workshop manager and tutor).
- Scientific writing workshop for the faculty of the medical school (advanced level); Research Deputy; School of Medicine; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (2 series of workshops; as the workshop manager and tutor).
- “Search strategies for researcher” workshop for the faculty of the medical school (primary level); Research Deputy; School of Medicine; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (4 series of workshops; as the workshop manager and tutor).
- Research methodology workshop for residents of clinical departments; Research Deputy; School of Medicine; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (2 series of workshops; as the workshop manager and tutor).
- Reference manager (Endnote ®) workshop for the faculty of the medical school; Research Deputy; School of Medicine; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (2 series of workshops; as the workshop manager and tutor).

- Scientific writing workshop for the faculty of the anesthesiology department (primary level); Anaesthesiology Research Centre; Shahid Beheshti University of Medicine, Tehran, Iran. 2008-2009 (1 workshop without repetition; as the workshop manager and tutor).