

Curriculum Vitae

OMID AGHADAVOUDI JOLFAEI

Professor, Anesthesiology and Critical Care Department, Faculty of Medicine, Isfahan University of Medical Sciences (IUMS)

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CV SUMMARY

An academic anesthesiologist in Isfahan University of Medical Sciences (IUMS), working as a faculty member from 2001 till now. Management and supervising of anesthesia procedures in cardiac, thoracic, vascular, pediatric surgeries and also management of patients in intensive care unit. Educating anesthesia residents and medical students in operating room and intensive care unit. Supervisor of more than 60 resident and medical student dissertations and researches. Presenter of more than 30 lectures in international and national congresses. Author of more than 46 articles in national and international journals with more than 700 citations (<https://scholar.google.com>). Languages: English, Persian.

ACADEMIC QUALIFICATIONS

1. 2013- 2016, Master of Medical Education, Department of Medical Education, Isfahan University of Medical Sciences
Dissertation title: Comparison the Efficiency and the Effectiveness of a New Comprehensive Test Management Software (NAJMA Software) with Traditional Method in Resident training and pre-board Examinations in Isfahan University of Medical Sciences
1. 1998- 2002, Anesthesiology and Critical Care, Anesthesiology and Critical Care Department, Faculty of Medicine, Isfahan University of Medical Sciences
Dissertation title: The effect of different lidocaine application methods on postoperative cough and sore throat.
2. 1988-1996, General Medicine (MD). Faculty of Medicine, Isfahan University of Medical Sciences.
Dissertation title: Complete Translation of the Book "Clinical Neuroanatomy for Medical Students, third edition, Richard S Snell"

PROFESSIONAL PROFILE

- 2021- 2022 Head of the Department of Anesthesiology, Alzahra Hospital, Isfahan, Iran
- 2013- 2020 Vice chancellor of Anesthesiology and Critical Care Research Center, IUMS, Isfahan, Iran
- 2016- 2018 Head of the Department of Anesthesiology, Alzahra Hospital, Isfahan, Iran
- 2012-2014 Head of the Department of Anesthesiology, Imam Hossein (Pediatric) Hospital, Isfahan, Iran
- 2010-2012 Head of the Intensive Care Unit, Chamran Heart Hospital, Isfahan, Iran
- 2007-2010 Member of the Editorial Board of Journal of Research in Medical Sciences (JRMS)
- 2007-2012 member of Research Committee of CLINICAL PROJECTS in IUMS

- 2007- present Member of the Research Committee of the Anesthesiology Department
- 2001- present Reviewer of more than 200 manuscripts for national and international medical journals
- 2001-2003 Head of the Students Research Committee of the IUMS

ACADEMIC EMPLOYMENT

- 2018- present Professor
- 2008 - 2018 Associate Professor
- 2001 - 2008 Assistant Professor

PROFESSIONAL MEMBERSHIPS

- Member of Iranian Society of Anesthesiology and Critical Care
- Previous Member of the Heart Transplant Team, Chamran Heart Hospital, Isfahan, Iran
- Previous member of European Association of Cardiothoracic Anesthesiologists (EACTA)
- Previous Member of European Society for Cardiovascular Surgery (ESCVS)
- Previous Member of European Association for Cardio Thoracic Surgery (EACTS)

RESEARCH INTERESTS

- Cardiovascular and Thoracic Anesthesia
- Intensive Care
- Pediatric Anesthesia
- Airway Management
- Medical Education
- Medical Journalism

EXTRA CURRICULAR ACTIVITIES

- Observer of Regional Pain Service, Toronto Western Hospital. Toronto, Canada
- Observer in the Field of Anesthesia for Congenital Heart Diseases in Neonates & Infants, Imam Khomeini Hospital. Tehran, Iran
- Observer in the Field of Anesthesia in Congenital Heart Diseases, King Faisal Heart Institute. Riyadh, Saudi Arabia
- Workshop on Cardiac Assist Devices, Iranian Society of Cardiac Surgeons. Tehran, Iran
- Workshop on Evidence Based Medicine, IUMS
- Workshop on Improving Analgesia during Anesthesia and Critical Care, Dept. of Anesthesia & Intensive Care, Al Qassimi Hospital, Sharjah, UAE. Sharjah, UAE
- Workshop on Intra- Aortic Balloon Pumping, Chamran Heart Hospital

- Workshop on Medical Writing, IUMS
- Workshop on Critical appraisal, IUMS
- Workshop on Manuscript Editing & Research Publication, IUMS
- Workshop on Pediatric Perfusion (CPB), Iranian Perfusion Society. Tehran, Iran
- Workshop on SPSS, Isfahan
- Workshop on EndNote & EndNote Web, IUMS
- Workshop on Evidence Based Medicine, IUMS
- Workshop on Systematic Review, IUMS
- Advanced Workshop on Student Evaluation & Examinations, IUMS

SCHOLARSHIPS AND AWARDS

- First student Rank in 8th Razi Festival, From National Research Center of Medical Sciences (2003)
- Second National Rank in National Iranian Board Examination of Anesthesiology in 1380 (2001)

BOOKS

1. Brain Death (in Persian), 2013, Authors: Mehrdad Masoudifar, Omid Aghadavoudi
2. Addiction and Pregnancy (in Persian), 2013, Authors: Mitra Jabalameli, Omid Aghadavoudi, Saied Abbasi, et al
3. Clinical Neuroanatomy for Medical Students (4th edition), 2004; (Translation, in Farsi) Author: Richard S. Snell
4. Clinical Neuroanatomy for Medical Students (3rd edition), 1994; (Translation, in Farsi), Author: Richard S. Snell

PUBLICATIONS

1. Evaluation of Ventilation with Nasal Versus Face Mask After General Anesthesia Induction in Pediatric Patients. Aghadavoudi O, Beheshtiparvar D, Shafa A. Anesthesiology and Pain Medicine. 2022 June; 12(3).
2. Assessment of Neck Characteristics for Laryngeal Mask Airway Size Selection in Patients Who Underwent an Elective Ocular Surgery; A Cross-Sectional Study. Aghadavoudi O, Shetabi H, Saryazdi H, Babayi S. Bull Emerg Trauma. 2022 Apr; 10(2): 77–82.
3. Comparison of the analgesic and sedative effects of Midazolam-Ketamine and propofol-sufentanil combinations in painful procedures of children with haematologic malignancy. Aghadavoudi, O., Shetabi, H., Dezfouli, Z.S. Turkish Journal of Anaesthesiology and Reanimation. 2020; 48 (2): 120-126.
4. Investigation of the effect of intravenous selenium on the ratio of partial pressure of arterial oxygen and fraction of inspired oxygen (PaO₂/FiO₂) and arterial blood gases in patients under mechanical ventilation in intensive care units. Alikiaii, B., Aghadavoudi, O., Alchaabi, H. Journal of Isfahan Medical School. 2018; 35 (458): 1749-1754.

5. Comparative trial of intravenous dexmedetomidine versus midazolam premedication on quality of sedation in upper gastrointestinal endoscopy in children. Shafa, A., Hirmanpour, A., Aghadavoudi, O., Ghasvarian, A. *Journal of Isfahan Medical School*. 2017; 35 (451): 1418-1423.
6. Comparison of the efficacy of bilateral infraorbital nerve block using local marcaine and pethidine with local marcaine and intravenous pethidine. Hajigholam-Saryazdi, H., Aghadavoudi, O., Shafa, A., Soltani-Hafshejani, A. *Journal of Isfahan Medical School*. 2017; 35 (444): 1107-1112.
7. Comparison of the preemptive effect of intravenous paracetamol and ketorolac on prevention of postoperative pain in patients undergoing abdominal surgery. Saryazdi, H., Aghadavoudi, O., Fakhari, S. *Journal of Isfahan Medical School*. 2017; 35 (442): 978-985.
8. The effect of intravenous tranexamic acid on perioperative bleeding and Surgeon's satisfaction during mastoidectomy. Aghadavoudi, O., Bonakdar-Hashemi, M., Hashempour, H. *Journal of Isfahan Medical School*. 2017; 34 (415): 1653-1659.
9. A comparative study of the analgesic effects of Pethidine versus Ketorolac and acetaminophen after lower abdominal and genital surgeries in children. Saryazdi, H., Aghadavoudi, O., Shafa, A., Baghban-Nikoo, M., Rezaei, T. *Journal of Isfahan Medical School*. 2017; 34 (412): 1556-1562.
10. Comparison of ventilation quality by anatomic or nasal mask after induction of general anesthesia in patients with body mass index of above 40 kg/m². Hajigholam-Saryazdi, H., Aghadavoudi, O., Adib, S. *Journal of Isfahan Medical School*. 2017; 37 (550): 1233-1239.
11. Comparison of adding neostigmine and fentanyl to bupivacaine in caudal analgesia caudal in pediatric inguinal herniorrhaphy. Aghadavoudi, O., Shafa, A., Nowrouzi, Z. *Journal of Cellular and Molecular Anesthesia*. 2017; 2 (4): 165-170.
12. Evaluating antibiotic resistance pattern of ventilator-associated pneumonia in intensive care units of Alzahra Hospital, Isfahan University of Medical Sciences, Iran. Alikiaii, B., Aghadavoudi, O., Emami, N. *Journal of Isfahan Medical School*. 2016; 34 (399): 1083-1089.
13. Comparison of respiratory and hemodynamic stability in patients with traumatic brain injury ventilated by two ventilator modes: Pressure regulated volume control versus synchronized intermittent mechanical ventilation. Aghadavoudi O, Alikiaii B, Sadeghi F. *Adv Biomed Res*. 2016; 5: 175.
14. Effect of venous dexamethasone, oral caffeine and acetaminophen on relative frequency and intensity of postdural puncture headache after spinal anesthesia. Masoudifar M, Aghadavoudi O, Adib S. *Adv Biomed Res*. 2016; 5: 66.
15. A comparative study of the analgesic effect of intravenous pethidine vs. Ketorolac after inguinal hernia surgery in children under general anesthesia. Saryazdi, H.H., Aghadavoudi, O., Shafa, A., Masoumi, A., Saberian, P. *Middle East Journal of Anesthesiology*. 2016; 23 (5): 527-533.
16. Comparison the efficacy of pre-emptive oral celecoxib with acetaminophen in controlling post-operative pain and nausea after lower limb surgery under general anesthesia. Saryazdi, H., Moradi, D., Hamedani, A., Aghadavoudi, O. *Journal of Cellular and Molecular Anesthesia*. 2016; 1 (2): 62-68.
17. Comparative evaluation of adding different opiates (morphine, meperidine, buprenorphine, or fentanyl) to lidocaine in duration and quality of axillary brachial plexus block. Hamid Saryazdi, Alireza Yazdani, Parvin Sajedi, Omid Aghadavoudi. *Adv Biomed Res*. 2015; 4: 232.

18. Comparing cardiovascular factors in opium abusers and non-users candidate for coronary artery bypass graft surgery. Omid Aghadavoudi, Nastaran Eizadi-Mood, Mohammad Reza Najarzagdegan. *Adv Biomed Res.* 2015; 4: 12.
19. Comparison of pre-emptive effect of meloxicam and celecoxib on post-operative analgesia: A double-blind, randomized clinical trial. Aghadavoudi, O., Saryazdi, H.H., Shafa, A., Ramezani, A. *Middle East Journal of Anesthesiology.* 2015; 23 (3): 289-294.
20. Oral midazolam alone or in combination with ketamine as oral premedication in pediatric ophthalmologic surgeries. Sajedi, P., Aghadavoudi, O., Salimi-Jazi, F. *Journal of Isfahan Medical School.* 2014; 31 (262): 1901-1909.
21. Evaluating the effect of intravenous haloperidol and midazolam on postoperative nausea and vomiting after strabismus surgery. *Journal of Isfahan Medical School.* 2014; 32 (281).
22. Prevalence of delirium in opium users after coronary artery bypass graft surgery. Eizadi-Mood, N., Aghadavoudi, O., Najarzagdegan, M.R., Fard, M.M. *International Journal of Preventive Medicine.* 2014; 5 (7): 900-906.
23. Comparative evaluation of the effects of hydroxyethyl starch on coagulation state of patients during brain tumor surgeries in comparison to crystalloids by thromboelastography. Golparvar, M., Saghaei, M., Hamidi, H., Sajedi, P., Kashefi, P., Aghadavoudi, O., Abbasi, S. *Journal of Research in Medical Sciences.* 2014; 19 (1): 8-12.
24. The effect of lidocaine on reducing the tracheal mucosal damage following tracheal intubation. Abbasi, A., Mahjobipoor, H., Kashefi, P., Massumi, G., Aghadavoudi, O., Farajzagdegan, Z., Sajedi, P. *Journal of Research in Medical Sciences.* 2013; 18 (9).
25. Evaluation of intravenous neostigmine infusion on tolerance of enteral nutrition in intensive care unit patients. Aghadavoudi, O., Abbasi, S., Kashefi, P., Golparvar, M., Habibzade, M., Kazemi, S. *Journal of Research in Medical Sciences.* 2013; 18 (9): 750-754.
26. Can selection of mechanical ventilation mode prevent increased intra-abdominal pressure in patients admitted to the intensive care unit? Rafiei, M.R., Aghadavoudi, O., Shekarchi, B., Sajjadi, S.S., Masoudifar, M. *International Journal of Preventive Medicine.* 2013; 4 (5): 552-556.
27. Comparison the effects of etomidate infusion versus Ketamine-midazolam-fentanyl combination in sedation for cataract surgery. Aghadavoudi, O., Dehghan, M., Montazeri, K. *Journal of Isfahan Medical School.* 2013; 31 (255): 1588-1597.
28. Comparing the effects of hydroxy ethyl starch 6% and gelatin as replacement for prime during coronary artery bypass graft surgery. Aghadavoudi, O., Ameli Zamani, K., Farajzagdegan, Z. *Journal of Isfahan Medical School.* 2013; 31 (223).
29. Efficacy and safety of morphine versus methadone for patient-controlled analgesia: A randomized clinical trial. Ebneshahidi, A., Akbari, M., Mohseni, M., Heshmati, B., Aghadavoudi, O. *Journal of Research in Medical Sciences.* 2012; 17 (1 SPL.1): S8-S12.
30. Evaluation of preemptive analgesia with dextromethorphan gargling in patients undergoing tonsillectomy. Rafiei, M.R., Aghadavoudi, O., Rezvani, M., Poorqasemian, M. *Journal of Research in Medical Sciences.* 2012; 17 (SUPPL.2): S200-S203.
31. Diagnostic performance and discriminative value of the serum ferritin level for predicting preterm labor. Movahedi, M., Saiedi, M., Gharipour, M., Aghadavoudi, O. *Journal of Research in Medical Sciences.* 2012; 17 (2): 164-166.
32. The effect of intravenous morphine on the level of spinal anesthesia with lidocaine. Masoudifar, M., Aghadavoudi, O., Rezvani, M., Mashayekhi, N. *Medicinski arhiv.* 2012; 66 (2): 80-83.

33. Assessing intravenous ketamine and intravenous dexamethasone separately and in combination for early oral intake, vomiting and postoperative pain relief in children following tonsillectomy. Safavi, M., Honarmand, A., Habibabady, M.R., Baraty, S., Aghadavoudi, O. *Medicinski arhiv.* 2012; 66 (2): 111-115.
34. The effect of sildenafil on respiratory weaning of patients with chronic obstructive pulmonary diseases admitted to intensive care unit. Rafiei, M.R., Aghadavoudi, O., Hojjat, M. *Medicinski arhiv.* 2012; 66 (2): 104-106.
35. Low dose aprotinin increases mortality and morbidity in coronary artery bypass surgery. Aghadavoudi, O. *Journal of Research in Medical Sciences.* 2012; 17 (3): 1-2.
36. The comparison of the efficacy and safety of sedation with etomidate- Fentanyl versus ketamine-midazolam combinations in cataract surgery. Aghadavoudi, O., Balaei, P., Akbari, M. *Journal of Isfahan Medical School.* 2012; 30 (209).
37. Comparison of two modes of ventilation after fast-track cardiac surgery: Adaptive support ventilation versus synchronized intermittent mandatory ventilation. Aghadavoudi, O., Kamran, M., Masoudifar, M. *Pakistan Journal of Medical Sciences.* 2012; 28 (2): 303-308.
38. The effects of mean arterial pressure during cardiopulmonary bypass on clinical and paraclinical parameters during and after coronary artery bypass graft surgery. Bagheri, K., Motamedi, O., Aghadavoudi, O., Akbari, M. *Journal of Isfahan Medical School.* 2012; 29 (169).
39. The relationship between storage time of blood products and morbidity and mortality after coronary artery bypass graft surgery. Bagheri, K., Talebi, S., Najarzagdegan, M., Aghadavoudi, O., Akbari, M. *Journal of Isfahan Medical School.* 2012; 29 (166).
40. Correlation between timing of tracheostomy and duration of mechanical ventilation in patients with potentially normal lungs admitted to intensive care unit. Masoudifar M, Aghadavoudi O, Nasrollahi L. *Adv Biomed Res.* 2012; 1: 25.
41. The efficacy of preventive parasternal single injection of bupivacaine on intubation time, blood gas parameters, narcotic requirement, and pain relief after open heart surgery: A randomized clinical trial study. Saeidi, M., Aghadavoudi, O., Sadeghi, M.M., Mansouri, M. *Journal of Research in Medical Sciences.* 2011; 16 (4): 477-483.
42. Efficacy of Glucose-Insulin-Potassium Infusion on Left Ventricular Performance in Type II Diabetic Patients Undergoing Elective Coronary Artery Bypass Graft. Seied-Hosseini SM, Pourmoghadass A, Aghadavoudi O, Amini M, Mirmohammad-Sadeghi M, Golabchi A, et al. *ARYA Atheroscler.* 2010 Summer; 6(2): 62–68.
43. Comparison of granisetron, metoclopramide and gastric decompression for prevention of postoperative nausea and vomiting after fast track cardiac anesthesia. Aghadavoudi, O., Amiri, E. *Journal of Research in Medical Sciences.* 2008; 13 (4): 166-174.
44. Delayed presentation of ventricular septal defect secondary to penetrating cardiac trauma following stab wound to the chest. Aghadavoudi, O., Mirmohamadsadeghi, M., Saeidi, M. *Journal of Research in Medical Sciences.* 2008; 13 (2): 97-100.
45. Septic thrombophlebitis of the cephalic vein caused by a peripherally inserted venous catheter. Mirmohamadsadeghi, M., Aghadavoudi, O. *Journal of Research in Medical Sciences.* 2005; 10 (4): 244-247.
46. The effect of different lidocaine application methods on postoperative cough and sore throat. Soltani, H.-A., Aghadavoudi, O. *Journal of Clinical Anesthesia.* 2002; 14 (1): 15-18.

INTERNATIONAL PRESENTATIONS

1. Comparison of the effects of hydroxy ethyl starch 6% versus gelatin as replacement of prime fluid during coronary artery bypass graft. Euroanaesthesia 2012; (poster)
2. The effect of mean arterial pressure during cardiopulmonary bypass on clinical and para clinical parameters during and after coronary artery bypass graft surgery. Euroanaesthesia 2012; (poster)
3. Comparison of the effects of hydroxy ethyl starch 6% versus gelatin as replacement of prime fluid during coronary artery bypass graft. Euroanaesthesia 2012; (poster)
4. The effect of hypothermia level on propofol requirements based on bispectral index in CABG surgery. Canadian anesthesiologists' society 2011 annual meeting; (poster)
5. The effect of prophylactic oral pentoxifylline on post-operative organ function in CABG surgery. Canadian anesthesiologists' society 2011 annual meeting; (poster)
6. Assessment of haematological and haemodynamic influence of colloid and crystalloid solutions in acute normovolaemic haemodilution in coronary artery bypass grafting surgery. 23rd annual meeting European association of cardiothoracic anaesthesiologists. 2008; (speech)
7. The cardioprotective effects of n-acetylcysteine as an additive to blood cardioplegia during coronary artery bypass grafting. 23rd annual meeting European association of cardiothoracic anaesthesiologists. 2008; (speech)
8. Cardioprotective effect of nitroglycerin as an additive to blood cardioplegia during coronary artery bypass grafting. 56th international congress of the European society for cardiovascular surgery. 2007; (poster)
9. Comparison of three methods for prevention of postoperative nausea and vomiting after cardiac surgery. 22nd annual meeting European association of cardiothoracic anaesthesiologists. 2007; (speech)
10. Efficacy of parasternal single injection bupivacaine (marcaine) for intubation time, ABG parameters, narcotic intake and pain relief after open heart surgery. 56th international congress of the European society for cardiovascular surgery. 2007; (poster)
11. The cardiovascular effects of inspired oxygen fraction in patients undergoing on-pump coronary artery bypass surgery. 22nd annual meeting European association of cardiothoracic anaesthesiologists. 2007; (speech)
12. What is the best time interval for cardioplegia delivery in CABG with cardiopulmonary bypass? 56th international congress of the European society for cardiovascular surgery. 2007; (poster)
13. Pulmonary effects of n-acetylcysteine in patients undergoing coronary artery bypass surgery with cardiopulmonary bypass. Conference: 55th international congress of the European society for cardiovascular surgery. 2006; (poster)
14. Effect of methylprednisolone on postoperative cognitive dysfunction following cardiac surgery with cardiopulmonary bypass. The 17th biennial congress association of thoracic and cardiovascular surgeons of Asia. 2005; (speech)

15. Intravenous dexamethasone can reduce cognitive disorders after cardiac surgery with cardiopulmonary bypass. The 17th biennial congress association of thoracic and cardiovascular surgeons of Asia. 2005; (speech)
16. Evaluation the effect of interpleural meperidine with and without bupivacaine on postoperative pain after open heart surgery. Conference: 53rd international congress of the European society for cardiovascular surgery. 2004; (speech)
17. Short term results of closed transventricular mitral commissurotomy at a single Iranian institution. International congress of the European society for cardiovascular surgery. 2004; (poster)
18. The effect of amiodarone versus propranolol for prophylaxis of atrial fibrillation after CABG in patients with low cardiac ejection fraction. 53rd international congress of the European society for cardiovascular surgery. 2004; (speech)
19. Effects of acute normovolemic hemodilution (ANH) on homeostasis and hematological parameters in cardiac surgery. 52nd international congress of the European society for cardiovascular surgery. 2003; (speech)