

Curriculum Vitae



Name: Rasoul

Last Name: Azarfarin MD, FACC

Address: Department of Cardiac Anesthesia
Rajaei Cardiovascular Medical and Research Center,
Valiye-Asr Street, Tehran, Iran

Phone: +98 21 23922017

Cell phone: +98 9122018939

Fax: +98 2122663293

E-mail: razarfarin@yahoo.com, azarfarinr@gmail.com, azarfarin@rhc.ac.ir

Website: prof.rhc.ac.ir/azarfarin/fa

Sex and Marital Status: Male, Married.

Birth Date: March 21, 1971- Tabriz-Iran.

CV last edited on: **March 1, 2025**

Education:

- 2010-2011** Certified in Perioperative Echocardiography, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran–IRAN. **European Cardiovascular Imaging Association (ECVI) certification on Intraoperative TEE (valid from March 2015-Marh 2020).** [page 19]
- 2002-2003** Fellowship certified in cardiac anesthesia, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – IRAN.
- 1996-1999** Board certified in anesthesiology, Tabriz University of Medical Sciences, Tabriz-IRAN.
- 1989-1996** General medicine, Tabriz University of Medical Sciences, Tabriz –IRAN.

Licensure:

- May 1997** Iranian Permanent Medical Certification License.

Honors/Awards/Grants:

- **Fellowship of American College of Cardiology (FACC) from Feb 1, 2013.**
- **Affiliate member of American Society of Anesthesiologists (ASA) from June 2012.**
- **Ranked 4th researcher (in surgical science field) in 17th RAZI FESTIVAL with 100,000,000 IRR (8200 US\$) grant (funded by Deputy of Research and Technology, Ministry of Health and Medical Education, Iran) in January 2012.(700/6728, 1391/1/29).**
- The selected translation of **the festival of student book of the year** and receiving a commendation tabula from the Islamic parliament speaker, Dr. Haddad Adel (Oct 2004; Azar 1383).
- Ranked 3rd, Written National Exam of Pre-board of Anesthesiology (Iran) in July 1999.
- A patent entitled “Specialized echocardiography probe for Continuous cardiovascular monitoring” registered in **Registration Organization of Deeds and Property of IR Iran** with registration ID: 13915014000304509 on August 21, 2012.

Academic Positions:

- Professor of anesthesiology, Department of anesthesiology, Tabriz University of Medical Sciences, IRAN, July 2013 to present.

- Associate professor of anesthesiology, Department of anesthesiology, Tabriz University of Medical Sciences, IRAN, Feb 2008- June 2013.
- Assistant professor of anesthesiology, Department of anesthesiology, Tabriz University of Medical Sciences, IRAN, 2002- Feb 2008.

Teaching Experiences:

1. Medical students, Faculty of Medicine, Tabriz University of Medical Sciences, Iran. (2003-2012)
2. Anesthesiology residents, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran. (2003-2012)
3. Anesthesiology technicians, Faculty of Paramedics, Tabriz University of Medical Sciences, Iran. (2003-2012)
4. Critical care nursing-Master of science-, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – IRAN. (2012 to present)
5. Extracorporeal perfusion medicine- Master of science-, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – IRAN. (2012 to present)
6. Anesthesiology residents, Faculty of Medicine, Iran University of Medical Sciences, Tehran, Iran.
7. **Fellowships of cardiac anesthesia, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – IRAN. (2012 to present)**

Administrative Experiences:

1. **Head of Cardiac Anesthesia Department, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – Iran. (Oct, 2021 to present)**
2. Deputy of Research, Cardiac Anesthesia Department, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – Iran. (Oct, 2018 to present)
3. Deputy of Education, Extracorporeal Circulation Department, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – Iran. (Nov, 2015 to present)
4. Head of Respiratory section, Rajaei Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran – Iran. (Nov, 2014 to present).
5. Deputy of Research, Anesthesiology Department, Faculty of Medicine, Tabriz University of Medical Sciences; from March 15, 2012 to present.
6. **Director of Research Programs, Tabriz University of Medical Sciences. From Jul 31, 2007- April 20, 2009.**
7. Deputy of Research, Anesthesiology Department, Faculty of Medicine, Tabriz University of Medical Sciences; from Dec 23, 2004 to July 31, 2007.

Editorial Positions:

1. **Managing Editor of "Iranian Heart Journal ". From Nov 2014 to present. (Scopus)**
2. **Associate Editor of journal of "Anesthesiology and Pain Medicine". From January 2013 to present.(PubMed)**
3. **Associate Editor of journal of "Research in Cardiovascular Medicine". From January 2012 to present. (PubMed)**
4. **Associate Editor of "Journal of Cardiovascular and Thoracic Research".From March 2009 to present. (PubMed)**
5. **Member of editorial board in “Archives of Cardiovascular Imaging” journal. From March 2013 to present.**
6. **Associate Editor of "Multidisciplinary Cardiovascular Annals". From March 2015 to present.**

Publications Overview:

- **h-Index = 19 (from 801 citations to my 106 published articles) in SCOPUS citation tracking system.** (available in URL: <https://www.scopus.com/authid/detail.uri?authorId=15764387800>)
- **h-Index = 26 (from 1901 citations to my 201 published articles/abstracts) in Google Scholar citation tracking system** (available in URL <https://scholar.google.com/citations?user=GU2h6CYAAAAJ&hl=en&oi=ao>).

Refereed Journal Articles:

1. Anatolian Journal of Cardiology (PubMed-ISI)
2. Saudi Medical Journal (PubMed-ISI)
3. Medical Journal of Tabriz University of Medical Sciences
4. Medical Journal of Urmieh University of Medical Sciences
5. Research in Cardiovascular Medicine (PubMed)
6. Journal of Cardiovascular and Thoracic Research (PubMed)
7. Archives of Cardiovascular Imaging
8. Iranian Red Crescent Medical Journal (PubMed-ISI)

9. Journal of Comprehensive Pediatrics
10. Iranian Heart Journal (Scopus)
11. Anesthesiology and Pain Medicine (PubMed)
12. Journal of Research in Medical Sciences (PubMed-ISI)
13. Multidisciplinary Cardiovascular Annals

Research Interest:

Cardiac Anesthesia, Peri-operative Echocardiography, Intensive Care, Acute Pain Management, Anesthesia for Interventional Cardiology and Electrophysiology and enhanced recovery after surgery (ERAS) in which I am highly interested in.

References:

Published Books or Chapters:

1. Azarfarin R. **Anesthesia in Adults with Congenital Heart Disease** In: Sadeghpour A, Kyavar M, Alizadehasl A. **Comprehensive Approach to Adult Congenital Heart Disease 2014** Springer London pp: 141-147. (ISBN 978-1-4471-6383-1).
2. Azarfarin R. **Sedation in Cardiovascular patients** In: Majid Maleki Azin Alizadehasl Majid Haghjoo. **Practical Cardiology** (eBook ISBN: 9780323511766, Hardcover ISBN: 9780323511490, Imprint: Elsevier Published Date: 15th September 2017)
3. Azarfarin R, Rohanifar R. **Sedation for transesophageal echocardiography** in: Sadeghpour A, Alizadehasl A. **Case-Based Textbook of Echocardiography. 2018** Springer London pp: 47-52. (ISBN 978-3-319-67689-0, ISBN 978-3-319-67691-3 e-Book).

Publications in Peer-reviewed Journals:

1. Heidarnazhad H, Somi MH, **Azarfarin R**, Charsouei S, Akbari M. Prevalence of asthma and atopic states-related symptoms in school, high school and children in Tabriz (ISAAC). *Eur Respiratory J* 2001; 18: 330-68.
2. Heydarpour A, **Azarfarin R**, Hashemi SM, Residual neuromuscular blockade in a aspergillus induced endocarditis in prosthetic aortic valve and renal dysfunction. *Iranian Journal of Anesthesiology and Intensive care.* 2002; Vol. 22, No.1: 53-56.
3. Samadikhah J, Broomandan F, Aliazdeh Asl A, Hakim S.H, **Azarfarin R**, Prognostic significance of atrial fibrillation after first acute myocardial infarction, *Iranian Heart Journal*, 2002; Vol3, No.2&3: 44-48.
4. **Azarfarin R**, Bilejani I, Farasat-Kish R, Heydarpur A, Mollasadeghi G, Fluid balance and weight change after open heart surgery. *Iranian Journal of anesthesiology and Intensive care*, 2003; Vol.22, No.40: 24-32.
5. Aghdaii N, Farasatkish R, **Azarfarin R**, Mollasadeghi G.A, Which anesthetic drug regimen is suitable for CABG surgery: Propofol-atracurium or propofol-pancuronium? *Iranian Heart Journal* 2003, Vol 3, No 4 & Vol 4. No 1: 25-28.
6. Aghdaii N, Farasatkish R, Yazdani F, **Azarfarin R**, Comparison of hemodynamic changes following tracheal intubation with direct laryngoscopy and fiberoscopy in patients undergoing open heart surgery. *Journal of Iranian Society of Anaesthesiology & Intensive Care.* 2004, Vol 24. No.43: 41-48.
7. Moslemi Tabrizi F, Rassooli S, Atash Khoii S, **Azarfarin R**. The effect of intravenous nitroglycerin on uterine relaxation in emergency cesarean section. *Research & Scientific Journal of Ardabil University of Medical Sciences & Health Services.* Jun-Sep ۲۰۰۴ Vol.3, No.12:41-47.
8. Rahimi Panahi J.R. Mahmoodpur A, Negargar S, **Azarfarin R**. The effect of order of injection of propofol and remifentanyl on hemodynamic changes during induction of anesthesia. *Research & Scientific Journal of Ardabil University of Medical Sciences.* Summer 2005, Vol.5, No.2: 142-5.
9. Mirinejad M, Jodatti A, Saffaie N, **Azarfarin R**, Bilejani I. Early extubation following coronary artery bypass graft surgery propofol versus midazolam. *Medical Journal of Tabriz University of Medical Sciences & Health Services* 2005 Summer Vol. 27 No. 2: ۱۱-۱۷

10. Barzegar M, Jafari Roohi A, **Azarfarin R**. Childhood status epilepticus: a study on its etiology, management and early outcome. *Medical Journal of Tabriz University of Medical Sciences & Health Services*; Vol. 27 No. 2, Winter 2006: 23-27.
11. Atashkhoui S, **Azarfarin R**, Fardiazar Z. The Effect of Succinylcholine dosage on the Rate and Postoperative Severity of Postoperative Muscular Fasciculation and Pain. *Research & Scientific Journal of Ardabil University of Medical Sciences*. Autumn 2007, Vol.7, No.3: 142-5.
12. Atashkhoui S, **Azarfarin R**, Mostafa Gharebaghi P. Effects of spinal anesthesia with low dose of lidocaine plus fentanyl on maternal hemodynamic state in severe preeclampsia patients undergoing cesarean section. *The Iranian Journal of Obstetric Gynecology and Infertility* Vol. 11, No.1 Spring 2008: 1-5.
13. Kiani A, Aghdaii N, **Azarfarin R**, Farasatkish R, Naddafnia M. Evaluation of prolong effect of opium on cardiac function in coronary artery bypass graft surgery. *Journal of Iranian Society of Anaesthesiology & Intensive Care*. 2008, Vol. 28. No.60: 60-64.
14. Samadikhah J, , Hakim S.H, Aliazdeh Asl A, **Azarfarin R**. Study of the association between activity level at onset of symptoms and patient outcome of first acute myocardial infarction. *Medical Journal of the Islamic Republic of Iran*; Vol.18, No.4, Feb 2005: 293-296.
15. Atashkhoui, S, Jafari Shobeiri M, **Azarfarin R**. Intraperitoneal And Incisional Bupivacaine Analgesia For Major Abdominal/Gynecologic Surgery: A Placebo-Controlled Trial. *Medical Journal of The Islamic Republic of Iran*, ۲۰۰۶ Vol. 20, No. 1: 19-22.
16. Rasooli S, Moslemi F, Parish M, **Azarfarin R**, Fatholahzadeh N. Minidose Bupivacaine - Fentanyl Spinal Anesthesia For Cesarean Section In Preeclamptic Parturients. *Medical Journal of the Islamic Republic of Iran* , Vol. 20, No. 2, July, 2006, pp. 94-97. (Indexed in Pubmed)
17. Parvizi R, **Azarfarin R**, Hasanzadeh S. Ultra-low dose aprotinin Effects on reducing the need for blood transfusion in cardiac surgery. *Saudi Med J* 2007;Vol. 28(1):49-53.(Indexed in ISI)
18. Ghaffari S, Rajabi N, Alizadeh A, **Azarfarin R**. Predictors of ventricular dysfunction and coronary artery disease in Iranian patients with left bundle branch block. *Int J Cardiol*. 2008 Nov 12;130(2):291-3 (ISI IF=4.2)
19. Mirinejad Moosa, **Azarfarin Rasoul**, Alizadeh Asl Azin. Cisatracurium in cardiac surgery- continuous infusion vs. bolus administration. *Middle East J Anesthesiol*. 2007 Oct; 19(3):563-72.(Indexed in Pubmed)
20. Toufan M, Samadikhah J, Alizadeh-Asl A, **Azarfarin Rasoul***, Hakim SH, Yaghoobi A, Farzam S. Measurement of coronary sinus blood flow after first anterior myocardial infarction with transthoracic echocardiography and its correlation with wall motion scoring index. *Saudi Med J*. 2007 Oct; 28(10):1545-9.(Indexed in ISI)* Corresponding Author
21. Jahanbakhsh Samadikhah, Seyed Hadi Hakim, Azin AlizadehAsl, **Rasoul Azarfarin***, Simin Ghaffari, Ahmadali Khalili. Arrhythmia and conduction disorders in acute inferior myocardial infarction with right ventricular involvement. *Rawal Med J* Dec 2007; 32(2):135-8.* Corresponding Author
22. Hakim S.H., AlizadehAsl A., **Azarfarin R.**, Samadikhah J. The Influence of Gender on Outcome In Patients With First Acute Myocardial Infarction. *Iranian Heart Journal* Spring 2007 8(1): 30-32.
23. **Rasoul Azarfarin**, Jahanbakhsh Samadikhah, Azin AlizadehAsl, Eisa Bilehjani. Preinfarction angina associates with absence of right ventricular infarction after first acute inferior myocardial infarction. *Rawal Med J* Jun 2008; 33(1):43-6.
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25. Ahmad Ali Khalili, Ali Reza Yaghoobi, Rezvanieh Salehi, **Rasoul Azarfarin**. Association between overweight and increased risk of acute Myocardial Infarction *Rawal Med J* Jun 2008; 33(1):25-8.

26. Jahanbakhsh Samadikhah, Seyed Hadi Hakim, Ali Reza Yaghoubi, Rezvanieh Salehi, Azin Alizadeh Asl, **Rasoul Azarfarin**. Effects of Diabetes Mellitus on outcome of patients with first acute Myocardial Infarction. *Rawal Med J* Dec 2007; 32(2):131-4.
27. Rezvanieh Salehi, Azin Alizadehasl, Mahasti Alizadeh, Manijeh Sayyahmelli, **Rasoul Azarfarin**. Comparison of antiphospholipid antibodies in hypertensive with normotensive pregnant women. *Rawal Med J* Dec 2007; 32(2):173-5.
28. Azin Alizadehasl, **Rasoul Azarfarin**, Farnaz Sepasi. Hypokalemia, arrhythmias and early outcome in acute myocardial infarction. *Research Journal of biological Sciences* 2008 3 (9): 1130-1132.
29. Azin Alizadehasl, **Rasoul Azarfarin**, Farnaz Sepasi and Shamsi Ghaffari. Clinical and Microbiological Characteristics of Infective Endocarditis. *Research Journal of Biological Sciences* 2008 3 (9): 1037-1041.
30. Farnaz Sepasi, Azin Alizadehasl, **Rasoul Azarfarin**. Relation between ABO blood groups, cardiovascular risk factors and acute myocardial infarction. *Research Journal of Biological Sciences* 2008 3 (9): 1060-1062.
31. **Rasoul Azarfarin**, Azin Alizadeh Asl. Arrhythmia in Acute right ventricular Infarction (Letter to Editor). *J Teh Univ Heart Ctr* 4 (2007): 237. (Indexed in PubMed)
32. Mehrnoush Toufan, Jahanbakhsh Samadikhah, Azin Alizadehasl, **Rasoul Azarfarin**, Seyed Hadi Hakim. Non Invasive Assessment of Myocardial Perfusion after First Myocardial Infarction with Transthoracic Echocardiography. *J Teh Univ Heart Ctr* 2 (2007) 101-104. (Indexed in PubMed)
33. Amir-Abbas Kianfar, Masoud Parish, Jafar Rahimi Panahi, Kamran Shadvar, Isa Bilejani and **Rasoul Azarfarin**. Low-Dose Ketamine for Postoperative Analgesia in Elective Open Cholecystectomy. *Research Journal of Biological Sciences* 2008 3 (2): 201-205.
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35. **Azarfarin R**, Alizadeh Asl A. Prevalence and intensity of hyperglycemia in non diabetic patients undergoing off-pump or on – pump coronary artery bypass grafting surgery. *Saudi Medical Journal* 2008 Sep;29(9):1294-8. (Indexed in PubMed & ISI).
36. **Azarfarin R**, Alizadehasl A. Management of A2B blood group in a patient for hypothermic cardiopulmonary bypass surgery--a case report. *Middle East Journal of Anesthesiology* 2009 Feb;20(1):101-3. (PubMed)
37. Farasatkish R, Aghdaii N, **Azarfarin R**, Yazdani F. Can preoperative anesthesia consultation clinic help to reduce operating room cancellation rate of cardiac surgery on the day of surgery? *Middle East J Anesthesiol.* 2009 Feb;20(1):93-6. (Indexed in Pubmed)
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39. Fakhari S, Bilehjadi E, **Azarfarin R**, Kianfar AA, Mirinazhad M, Negargar S. Anesthesia in adult cardiac surgery without maintenance of muscle relaxants: a randomized clinical trial. *Pak J Biol Sci.* 2009 Aug 15;12(16):1111-8. (Indexed in Pubmed)
40. Hakim SH, Samadikhah J, Alizadehasl A, **Azarfarin R**. Chronobiological rhythms in onset of massive pulmonary embolism. *Middle East Journal of Anesthesiology.* 2009 Oct. Vol 20, No. 3: 369-376. (Pubmed)
41. **Rasoul Azarfarin**, Leili Pourafkari, Azin Alizadeh Asl, Rezayat Parvizi, Roghayeh Mahmoodian. Off-pump coronary artery bypass surgery in severe left ventricular dysfunction. *Asian Cardiovasc Thorac Ann.* 2010 Jan; 18(1):44-8. (Indexed in Pubmed)
42. Soltani Z, Samadikhah J, **Azarfarin R**, Hashemi B, Nezami N. Effects of glucose-insulin-potassium solution on acute myocardial infarction outcome in patients received streptokinase according to Killip classes. *Anadolu Kardiyol Derg.* 2010;10(4):372-5. doi: 10.5152/akd.2010.098. (Indexed in PubMed & ISI)

43. Aghdaii N, **Azarfarin R***, Yazdanian F, Faritus SZ. Cardiovascular responses to orotracheal intubation in patients undergoing coronary artery bypass grafting surgery. Comparing fiberoptic bronchoscopy with direct laryngoscopy. *Middle East J Anesthesiol.* 2010 Oct;20(6):833-8.*Corresponding author (Indexed in Pubmed)
44. Mahin Seyedhejazi, **Rasoul Azarfarin***, Fahime Kazemi, Maryam Amiri. Comparing caudal and penile nerve blockade using bupivacaine in hypospadias repair surgeries in children. *African Journal of Paediatric Surgery* 2011(8)3: 294-297 *Corresponding author. (Indexed in Pubmed)
45. **Azarfarin R**, Sheikhzadeh D, Mirinazhad M, Bilehjani E, Alizadehasl A. Do nondiabetic patients undergoing coronary artery bypass grafting surgery require intraoperative management of hyperglycemia? *Acta Anaesthesiol Taiwan.* 2011 Jun;49(2):41-5. Epub 2011 Jun 24.
46. Azin Alizadehasl, Zahra Golmohammadi, Laleh Panjavi, Mahmood Moradi, **Rasoul Azarfarin**, The Incidence of Anemia in Adult Patients With Cardiovascular Diseases in Northwest Iran. *J Pak Med Assoc.* 2011 Nov;61(11):1091-5.
47. S Atashkhoyi, M Mehrzad Sadagiani, **Rasoul Azarfarin**. Efficacy of pre-incisional subcutaneous infiltration of low-dose ketamine on postoperative pain after cesarean section. *Pak J Med Sci April - June 2011 Vol. 27 No. 2 344-347. ISI; IF=0.166*
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49. Faritous ZS, Aghdaie N, Yazdanian F, **Azarfarin R**, Dabbagh A. Perioperative risk factors for prolonged mechanical ventilation and tracheostomy in women undergoing coronary artery bypass graft with cardiopulmonary bypass. *Saudi J Anaesth.* 2011 Apr;5(2):167-9. (Indexed in Pubmed)
50. Alizadehasl A, **Azarfarin R**, Sadeghpour A, Maleki M. Sex proportion of offspring in mothers with cardiac disease. *Anadolu Kardiyol Derg.* 2012 Apr 13. doi: 10.5152/akd. 2012.109. (PubMed).
51. Ziyaeifard M, **Azarfarin R***, Massoumi GR. A Comparison of Intraocular Pressure and Haemodynamic Responses to Insertion of Laryngeal Mask Airway or Endotracheal Tube Using Anaesthesia with Propofol and Remifentanil in Cataract Surgery. *Journal of Research in Medical Sciences* 2012 Vol 17, No 6:503-507. (Indexed in ISI). *Corresponding author
52. Alireza Yaghoubi, Zahra Golmohamadi, Azin Alizadehasl, **Rasoul Azarfarin**. Role of platelet parameters and haematological indices in myocardial infarction and unstable angina. *J Pak Med Assc Vol. 63, No. 9, September 2013: 1133-1138. [PubMed]*
53. Heydarpour A, **Azarfarin R**, Hashemi SM, Residual neuromuscular blockade in a aspergillus induced endocarditis in prosthetic aortic valve and renal dysfunction. *Iranian Journal of Anesthesiology and Intensive care.*2002; Vol. 22, No.1: 53-56.
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56. Aghdaii N, Farasatkish R, **Azarfarin R**, Mollasadeghi G. Which anesthetic drug regimen is suitable for CABG surgery: Propofol-atracurium or propofol-pancuronium? *Iranian Heart Journal* 2003, 3(4) & 4(1): 25-28. (Scopus)
57. Aghdaii N, Farasatkish R, Yazdanian F, **Azarfarin R**, Comparison of hemodynamic changes following tracheal intubation with direct laryngoscopy and fiberoscopy in patients undergoing open heart surgery. *Journal of Iranian Society of Anaesthesiology & Intensive Care.* 2004, Vol 24. No.43: 41-48.
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60. Mirinejad M, Jodatti A, Saffaie N, **Azarfarin R**, Bilejani I. Early extubation following coronary artery bypass graft surgery propofol versus midazolam. Medical Journal of Tabriz University of Medical Sciences & Health Services; Vol. 27 No. 2, Summer 2005: 77-81.
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62. Atashkhooii S, **Azarfarin R**, Fardiazar Z. The Effect of Succinylcholine dosage on the Rate and Postoperative Severity of Postoperative Muscular Fasciculation and Pain. Research & Scientific Journal of Ardabil University of Medical Sciences. Autumn 2007, Vol.7, No.3: 142-5.
63. Atashkhooii S, **Azarfarin R**, Mostafa Gharebaghi P. Effects of spinal anesthesia with low dose of lidocaine plus fentanyl on maternal hemodynamic stste in severe pre-eclapmti patients undergoing cesarean section. The Iranian Journal of Obstetric Gynecology and Infertility Vol. 11, No.1 Spring 2008: 1-5.
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65. Sosan Rasooli, Farnaz Moslemi Tabrizi, Masud Parish, **Rasoul Azarfarin**. Comparison of Hemodynamic Changes in Healthy Parturients and Preeclamptic Patients Undergoing Cesarean Section with Spinal Anesthesia. Med J of Tabriz University of Medical Sciences Winter 2008 Vol. 30 No. 4: 37-42.
66. Rezvaniyeh Salehi, Azin Alizadeh Asl, Aliraza Salehi, **Rasoul Azarfarin**. The changes of cardiac troponin I and creatine kinase MB isoenzyme after percutaneous transluminal coronary angioplasty. Journal of Cardiovascular and Thoracic research. 2009 Vol. 1 (1): 11-15.
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68. **Rasoul Azarfarin**, Azin Alizadeh Asl, Amir Abbas Kianfar, Moosa Mirinejad, Eisa Bilejani. Diagnostic value of "base deficit" in arterial blood gas analysis in comparison with hyperlactatemia as an indicator of tissue hypoperfusion in cardiac surgery. Iranian South Medical Journal. September 2009, Vol. 12, No. 2: 119-125.
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70. Moussa Mirinazhad, **Rasoul Azarfarin** ,Eisa Bilehjani. The Effect of Acute Normovlumatic Hemodilution in Reducing Allogenic Red Blood Cell Transfusion During and After Cardiac Surgery. Journal of Cardiovascular and Thoracic research. 2009 Vol. 1 (3): 35-42. (PubMed)
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*Corresponding author
73. Azin Alizadehasl, Jahanbakhsh Samadikhah, Zahra Golmohammadi, **Rasoul Azarfarin**. Comparison of serum Homocysteine concentrations between smoker and nonsmoker patients with acute coronary syndrome in Tabriz Madani Hospital 2008-2009. J Cardiovasc Thorac Res 2011; Vol.2 (4): 27-30. (PubMed)

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20. J Samadekhah. **R Azarfarin**, A Alizadehasl, A Karimzadeh. Efficacy of combination therapy of statin and vitamin C in comparison with statin alone in the prevention of post CABG atrial fibrillation.
21. A Alizadehasl, **R Azarfarin**, .. Risk factors, clinical symptoms and outcome of patients aged < 30 years old with acute myocardial infarction.
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Supervision of Thesis:

1. The effect of blood glucose control with insulin on hyperglycemia during and after coronary artery bypass surgery in non-diabetic patients. By Daryoush Sheikhzadeh MD. 2009 (For Specialty Degree in Anesthesiology) Thesis No: 86/3-6/7

2. A comparison of appropriate cuffed tracheal tube size in children undergoing cardiac versus non-cardiac surgery in referral hospitals in northwest Iran. By Samad EJ Golzari MD. 2012 (For Specialty Degree in Anesthesiology) Thesis No: 89/3-4/3
3. Effectiveness of nursing training on preoperative care in terms of level of anxiety, quality of sleep, fasting time and continuing of cardiac medication the night before cardiac surgery. By Hoda Jorfi BS. Feb 2014 (For Master of Science Degree in Critical Care Nursing) Thesis No: 2/93/پ پ
4. Determination of Factors Influencing Prolonged ICU Stay (more than 4 days) after adult cardiac Surgery. By Nasibeh Ashouri BS. May 2014 (For Master of Science Degree in Critical Care Nursing) Thesis No: 26/92/پ پ
5. Comparison and agreement between two pain tools, facial expression and "critical care pain observational" tool in postoperative cardiac surgery intubated patients. By Fatima Tavakoli BS. Oct 2014 (For Master of Science Degree in Critical Care Nursing) Thesis No: 24/92/ پ پ
6. A comparative study of burnout and its related factors in critical care nurses and medical and surgical ward nurses in Rajaie heart center in 2015. By Mansoureh Ghasedi BS. March 2015. (For Master of Science Degree in Critical Care Nursing) Thesis No: 11/94پ پ /
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13. The Effectiveness of Implementation of an "Information Card" to Reduce Family Member's Anxiety in Waiting Room During Heart Surgery and Angiographic Procedures. By Mahtab Babaie BS Sep 2017. (For Master of Science Degree in Extracorporeal Circulation) Thesis No :
14. Assessment the effect of pre-bypass checklist on incidence of perfusionist error in Rajaie heart center. By Samaneh Salmani BS Nov 2017. (For Master of Science Degree in Extracorporeal Circulation) Thesis No :
15. Feasibility of on-table extubation after cardiac surgery with cardiopulmonary bypass: A randomized clinical trial. By Louis Jafari MD. 2018 (For Specialty Degree in Anesthesiology) Thesis No :
16. Relationship Between Brain Natriuretic Peptide and Weaning from Mechanical Ventilation and ICU Stay After Pediatric Cardiac Surgery. By Farideh Mohamadi Alasti MD. 2018 (For Specialty Degree in Anesthesiology) Thesis No :
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1. Comparison between the continuous infusion and intermittent administration of cisatracurium in cardiac surgery for determination of total intraoperative dose and recovery time. By Kamal Hejazi MD 2004. (For Specialty Degree in Anesthesiology)
2. Comparison of fluid balance and electrolyte changes in coronary artery bypass grafting surgery between operations with & without cardiopulmonary bypass. By Mohsen Gholami MD 2004. (For Subspecialty Degree in Cardiac Surgery)
3. Measurement of coronary sinus blood flow after first anterior myocardial infarction with transthoracic echocardiography and study of its association with wall motion scoring index. By Azin Alizadehasl MD 2005. (For Specialty Degree in Cardiology)
4. Studying of correlation between cerebral oxygen saturation changes during cardiac surgery and postoperative neurologic complications. By Reza Taheri MD 2005. (For Specialty Degree in Anesthesiology)
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6. Study of importance of left atrial volume index in prognosis of patients after acute myocardial infarction. By Haleh Salehi Pourmehr MD. 2009 (For Specialty Degree in Cardiology) Thesis No: 85/3-7/4
7. Comparison of analgesic effect of Gasser ganglion block with low-power LASER in trigeminal neuralgia. By Reza Amirnaseri MD. 2009 (For Specialty Degree in Anesthesiology) Thesis No: 86/3-5/2
8. Efficacy of combination therapy of statin and vitamin C in comparison with statin alone in the prevention of post CABG atrial fibrillation. By Ayda Karimzadeh MD 2011 (For Specialty in Degree Cardiology) Thesis No: 88/3-2/2
9. Association between diabetic retinopathy and left ventricular dysfunction in diabetic patients with unstable angina. By Snaz Nematzadeh Pakdel MD. 2011 (For Specialty Degree in Cardiology) Thesis No: 88/3-2/12
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16. Assessment of nursing practice in following standards of storage, preparation and administration of blood in open heart ICU of Rajaei hospital. By Manijeh Ahani BS. March 2015 (For Master of Science Degree in Critical Care Nursing) Thesis No: 7/93 پ پ
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20. Effect of early mobility on respiratory indexes after open heart surgery in ICUs of Rajaie hospital in 2014. By Zahra Arizavi BS. March 2015. Feb 2015. (For Master of Science Degree in Critical Care Nursing) Thesis No: 14/94 پ پ /
21. Effect of using of "pain assessment tool" by ICU nurses on analgesic administration after coronary bypass graft surgery. By Zahara Sadat Navabi BS. February 2015. February 2015. (For Master of Science Degree in Critical Care Nursing) Thesis No: 3/94 پ پ /
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26. Evaluation of relationship between serum magnesium level and postoperative bleeding after coronary artery bypass grafting. By Azam Alvandi Farahani BS Sep 2017. (For Master of Science Degree in Extracorporeal Circulation) Thesis No :/ پ پ
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31. Relationship between nursing staffs shift and extubation of post-cardiac surgery patients in Rajaie hospital. By Elham Shahsavari BS. Feb 2019. (For Master of Science Degree in Critical Care Nursing) Thesis No: 821.
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Member of Associations:

American Society of Anesthesiologists (ASA)

American College of Cardiology (ACC)

World Federation of Anesthesiology Societies.

Iranian Society of Anesthesiology & Intensive Care.

Iranian Society of Cardiac Anesthesiologists (A member of the board of directors of) (2005-2008).

Iranian Center of Evidence Based Medicine

Iranian Heart Association

Iranian Society of Heart Failure (A member of the board of directors of) 2016.

