



Faranak KARGAR, M.D.

Date of Birth: 17 April 1966

Citizenship: Iranian

Institution: Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences

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PROFESSIONAL EXPERIENCE

2014 - Present

Associated Professor in Cardiac Surgery

Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran

- Official member of the Scientific Committee of Iran University of Medical Sciences

1999 - 2014

Assistant Professor in Cardiac Surgery

Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran

- Official member of the Scientific Committee of Iran University of Medical Sciences

CERTIFICATIONS

- **1999:** Iranian National Board of Cardiovascular Surgery
- **1996:** Iranian National Board of General Surgery
- **1992:** General Practitioner Certification

MEMBERSHIPS

- European Association for Cardio-Thoracic Surgery
- The Society of Thoracic Surgeons
- Iranian Society of Cardiac Surgeons
- Iranian Heart Association
- CTS Net

EDUCATION

1989 - 1996:

Shahid Beheshti Medical University, Tehran, Iran

- General Medical Training

SURGICAL TRAINING

1992 - 1996:

General Surgery Department

Taleghani General Hospital, Shahid Beheshti Medical University, Tehran, Iran

1996 - 1999:

Cardiovascular Surgery Department

Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran

INNOVATIONS

- **Elliptic Aortic Punch**; produced by Geister AG, Tuttlingen, Germany (2010)

AWARDS

- European Associations for Thoracic and Cardiovascular Surgery Traveling Fellowship (2009)

Publications

1. **Golitaleb M, Ghafarzadegan R, Alizadehasl A, Kargar F.**
Pleural Effusion After Open Cardiac Surgery.
Iranian Heart Journal 21 (3), 48-54.
2. **Hosseini E, Solouki A, Roudsari ZO, Kargar F, Ghasemzadeh M.**
Reducing state attenuates ectodomain shedding of GPVI while restoring adhesion capacities of stored platelets: evidence addressing the controversy around the effects of redox.
Journal of Thrombosis and Thrombolysis.
3. **Kargar F, Ghadrdoost B, Aghdaii N, Ghanbari A.**
Evaluation of Retrograde Autologous Priming (RAP) effect on Hemodilution and transfusion rate in operation room and ICU.
Scientific Journal of Iran Blood Transfus Organ 17 (1), 27-35.
4. **Sanati HR, Nakhaei A, Alizadehasl A, Zahed Mehr A, Kiani R, et al.**
Effects of Doxycycline on Left Ventricular Remodeling in Patients With Acute Anterior Myocardial Infarction Undergoing Primary Angioplasty: A Randomized Clinical Trial.
Iranian Heart Journal 20 (4), 22-30.
5. **Niyyati M, Sasani R, Mohebbi M, Ghazikhansari M, Kargar F, et al.**
Anti-Acanthamoeba effects of silver and gold nanoparticles and contact lenses disinfection solutions.
Iranian Journal of Parasitology 13 (2), 180.
6. **Golitaleb M, Kargar F, Bakhshande Abkenar HBA, Haghazali M, et al.**
Hyperbilirubinemia after open cardiac surgery.
Iranian Heart Journal 18 (2), 30-35.
7. **Golitaleb M, Haghazali M, Golaghaie F, Ghadrdoost B, Sahebi A, Kargar F.**
Changes in Liver Enzymes in the Patients Undergoing Open Cardiac Surgery and Related Factors.
International Journal of Advanced Biotechnology and Research 8 (3), 2086-91.
8. **Makki M, Dupouy-Camet J, Sajjadi SMS, Moravec F, Naddaf SR, Mobedi I, et al.**
Human spiruridiasis due to Physaloptera spp. (Nematoda: Physalopteridae) in a grave of the Shahre Sukhteh archeological site of the Bronze Age (2800–2500 BC) in Iran.
Parasite 24.
9. **Tabei SMB, Fakher S, Djalali M, Javanbakht MH, Zarei M, et al.**
Effect of vitamins A, E, C and omega-3 fatty acids supplementation on the level of catalase and superoxide dismutase activities in streptozotocin-induced diabetic rats.
Bratislava Medical Journal 116 (2), 115-118.
10. **Alizadeh M, Mowlavi G, Kargar F, Nateghpour M, Akbarzadeh K, et al.**
A review of myiasis in Iran and a new nosocomial case from Tehran, Iran.
Journal of Arthropod-Borne Diseases 8 (2), 124.
11. **Ardehshiri M, Faritus Z, Ojaghi-Haghighi Z, Bakhshandeh H, Kargar F, et al.**
Impact of metabolic syndrome on mortality and morbidity after coronary artery bypass grafting surgery.
Research in Cardiovascular Medicine 3 (3).
12. **Alavi M, Pakrooh B, Mirmesdagh Y, Bakhshandeh H, Babae T, et al.**
The effects of positive airway pressure ventilation during cardiopulmonary bypass on pulmonary function following open heart surgery.
Research in Cardiovascular Medicine 2 (2), 79.
13. **Kargar F, Aazami MH.**
Self-buttressing patch: Alternative technique for surgical closure of ostium secundum atrial septal

defect.

Health MED Journal 7 (4), 1140-1144.

14. **Kyavar M, Bassiri H, Sadeghpour A, Alizadehasl A, Pouraliakbar H, et al.**
Left main coronary artery dissection after valve replacement: role of coronary computed tomographic angiography.
Texas Heart Institute Journal 39 (5), 770.
15. **Kargar F, Aazami MH.**
Have we a surgical 'easy-hand' for replacement of the ascending aorta?
European Journal of Cardio-Thoracic Surgery 40 (4), 1033-1034.
16. **Mowlavi G, Nateghpour M, Teimoori S, Amin A, Noohi F, Kargar F.**
Fatal nosocomial myiasis caused by Lucilia sericata.
Journal of Hospital Infection 78 (4), 338-339.
17. **Hosseini S, Kargar F, Hadadzadeh M, Hashemzadeh B, et al.**
Anterior Leaflet Augmentation: an Effective Method to Repair Tricuspid Valve Regurgitation.
Iranian Heart Journal 11 (2), 6-13.
18. **Kargar F, Sadeg-Poor A, Reissi K, Mohebi A, Noohi F, Aazami M.**
Valsalva-shaped bio-root: an alternative technique for aortic root replacement using a stented bioprosthesis.
The Thoracic and Cardiovascular Surgeon 58 (S 01), P124.
19. **Kargar F, Aazami MH.**
Congenital partial absence of the left pericardium suspected on the classical chest X-ray.
Heart, Lung and Circulation 18 (5), 362-363.
20. **Kargar F, Aazami MH.**
Right atrial chemodectoma with atypical chest pain: a 6-year surgical follow-up.
The Annals of Thoracic Surgery 86 (3), 1006-1008.
21. **Haghjoo M, Basiri H, Salek M, Sadr-Ameli MA, Kargar F, Raissi K, et al.**
Predictors of postoperative atrial fibrillation after coronary artery bypass graft surgery.
Indian Pacing and Electrophysiology Journal 8 (2), 94.
22. **Mozaffari K, Kargar F, Azami H.**
Primary Cardiac Lymphoma in a 62-Year-Old Man.
Official Quarterly Publication of the Iranian Heart Association.
23. **Kargar F, Aazami MH.**
Rotational pericardial flap: an alternative tension-free technique for pericardial closure.
The Journal of Thoracic and Cardiovascular Surgery 134 (2), 510-511.
24. **Omran GR, Kargar F, Aazami MH.**
Intra-pericardial hydatid cyst seen by dynamic computed tomography.
European Journal of Cardio-Thoracic Surgery 30 (5), 805-805.
25. **Kargar F, Aazami M.**
Y-graft and proximal LIMA flow adaptability: the surgical wisdom of iatrogenics.
European Journal of Cardio-Thoracic Surgery 30 (3), 566-566.
26. **Mardanian F, Kargar F.**
A comparative study on the efficacy of prednisolone and promethazine in the treatment of hyperemesis gravidarum.
Journal of Research in Medical Sciences (JRMS) 9 (2), 23-26.

27. **Foroud A, Kalantar MMH, Kargar F, Raissi K, Nouhi F.**
Outcome of prosthetic heart valve surgery in Iran.
Iranian Heart Journal (IHJ) 4 (12), 15-15.
28. **Tavassoli E, Hasanzadeh A, Ghiasvand R, Tol A, Shojaezadeh D.**
Factors affecting pressure ulcer in the ICU units of Tehran University of Medical Sciences teaching hospitals.
29. **Raissi K, Kargar F, Valaei N, Raissi S.**
The evaluation of surgical aspects and results of surgical correction of tetralogy of Fallot (TF): a ten year period at Shahid Rajaei Heart Hospital.
Iranian Journal of Surgery 10 (26), 24-28.
30. **Moufid J, Boustani I, Kargar F.**
Results of thyroid nodule surgery among patients referred to Ayatolla Talegani Hospital.
Feyz: The Journal of Kashan University of Medical Sciences 2 (4), 37-42.
31. **Kargar F, Ahmadi J, et al.**
Coronary artery bypass grafting (CABG) induces pro-inflammatory and immunomodulatory phenotype of platelets in the absence of a pro-aggregatory state. *Microvascular Research* 2024 doi: <https://doi.org/10.1016/j.mvr.2024.104669> Volume 153, May 2024, 104669
32. Stable CAD patients show higher levels of platelet-borne TGF- β 1 associated with a superior pro-inflammatory state than the pro-aggregatory status; Evidence highlighting the importance of platelet-derived TGF- β 1 in atherosclerosis *Journal of Thrombosis and Thrombolysis*
<https://doi.org/10.1007/s11239-022-02729-y> J Ahmadi, E Hosseini, F Kargar... - *Journal of Thrombosis and ...*, 2023 – Springer
33. Platelet transfusion enhances pro- aggregatory status shortly after coronary artery bypass grafting (CABG while modulating platelet pro- inflammatory state 1- week ... J Ahmadi, E Hosseini, F Kargar... - *Journal of Cellular ...*, 2024 - Wiley Online Library <https://doi.org/10.1111/jcmm.18573>

BOOKS

- Raissi, K., & Kargar, F. (2003). *An Introduction to Cardiac Surgery*. Tehran. ISBN: 964-93672-4-1.

Lectures

1. **Kargar F, Aazami MH.**
The Pathophysiology of IABP: Implications to Clinical Practice.
Advanced Post-Graduated Course in Cardiac Surgery, 2007, Tehran, Iran.
2. **Kargar F, Aazami MH.**
Aortic Valve Redo Surgery.
Third International Symposium in Aortic Root Surgery, 2006, Tehran, Iran.
3. **Baharestani B, Kargar F, Raissi K.**
Outcome in Emergency Cardiac Surgery.
Fourth International Congress of Iranian Society of Cardiac Surgery, 2005, Tehran, Iran.

4. **Kargar F, Raissi K, Hashemzadeh K.**
Mitral Valve Reconstruction: A Ten-Year Experience in 70 Patients.
13th International Congress of Iranian Heart Association, 2002, Tehran, Iran.
5. **Kargar F, Raissi K, Hashemzadeh K.**
The Evaluation of Surgical Aspects and Results of Surgical Correction of Tetralogy of Fallot.
13th International Congress of Iranian Heart Association, 2002, Tehran, Iran.
6. **Kargar F, Raissi K.**
Disseminated Intra-Pericardial and Intra-Myocardial Hydatid Cyst: A Rare Case Report.
Joint Meeting of Medical Association of North America and Rajaei Heart Center, 2001, Tehran, Iran.
7. **Raissi K, Hashemzadeh K, Raissi S, Kargar F, Tabatabaei M, Noohi F, Pourpaki M, Hosseini S.**
Tricuspid Valve Replacement in 203 Patients: Influence of Prosthesis on Outcome.
Society for Heart Valve Disease: Third Biennial Meeting, Vancouver, BC, Canada, 2005.
8. **Kargar F, Aazami MH.**
Self-Butressing Patch: A New Technique for Surgical Closure of the Secundum Type Atrial Septal Defect.
57th International Congress of the European Society for Cardiovascular Surgery, Barcelona, Spain, 2008.
9. **Kargar F, Yazdanian F, Motevalie M, Omrani G, Aazami MH.**
Bifid Top-End Anastomosis: A New Technique for Performing Proximal Anastomoses of Two Adjacent Saphenous Vein Grafts.
58th International Congress of the European Society for Cardiovascular Surgery, 2009, Warsaw, Poland.
10. **Kargar F, Motevali M, Omrani G, Tabaei A.S., Aazami MH.**
Right-Sided Coronary-Coronary Bypass Grafting Using Saphenous Vein Graft: A Surgical Series.
58th International Congress of the European Society for Cardiovascular Surgery, 2009, Warsaw, Poland.
11. **Kargar F, Dehaki M.G., Kaleghi F, Aazami MH.**
Cannulation of the Innominate Vein as Part of Right Atrial Isolation in Adult Cardiac Surgery: Is it Safe and Reproducible?
58th International Congress of the European Society for Cardiovascular Surgery, 2009, Warsaw, Poland.
12. **Kargar F, Tabaei A.S., Ghafarinejad M., Mirsadeghi H., Aazami M.H.**
Thoracic Drainage After Adult Cardiac Surgery Using Hemovac System: Are Large Bore Tubes Still Mandatory?
58th International Congress of the European Society for Cardiovascular Surgery, 2009, Warsaw, Poland.
13. **Kargar F, Pooraliakbar H.R, Yaghoubi N, Malek H, Aazami M.H.**
Retrothymic Routing for Skeletonized Internal Thoracic Arteries: Optimal Lengths, Best Course, Maximal Protection.
58th Annual Meeting of the Scandinavian Association for Thoracic Surgery, 2009, Stockholm, Sweden.
14. **Kargar F, Samiei N, Mohebi A, Noohi F, Aazami M.H.**
Restoring Subvalvar Continuity by Re-Implanting Strut Chorda in the Setting of Rheumatic Mitral Valve Replacement.
58th Annual Meeting of the Scandinavian Association for Thoracic Surgery, 2009, Stockholm, Sweden.
15. **Kargar F, Motevali M, Yazdanian F, Yaghoubi N, Aazami M.H.**
New Technical Advances in Performing "Double-Infloated" Arterial Coronary Arteries Revascularization.
8th International Congress on Coronary Artery Disease, 2009, Prague, Czech Republic.
16. **Kargar F, Yaghoubi N, Yazdanian F, Almassi N, Aazami M.H.**
Retrothymic Routing for Skeletonized Internal Thoracic Arteries: Optimal Lengths, Best Course, Maximal Protection.
8th International Congress on Coronary Artery Disease, 2009, Prague, Czech Republic.

17. **Kargar F, Yazdanian F, Yaghoubi N, Almassi N, Aazami M.H.**
Right-Sided Coronary-Coronary Bypass Grafting Using Saphenous Vein Graft: A Surgical Series.
8th International Congress on Coronary Artery Disease, 2009, Prague, Czech Republic.
18. **Kargar F, Kaleghi F, Aazami M.H.**
New Strategy for Right Atrial Isolation by Cannulation of the Innominate Vein in Adult Cardiac Surgery: Is it Safe and Reproducible?
9th European Conference on Perfusion Education and Training, 2009, Vienna, Austria.
19. **Kargar F, Aazami M.H.**
Valsalva-Shaped Bio-Root: A New Alternative Technique for Replacement of the Aortic Roots Using a Stented Bioprosthetic Valve.
39th Annual Meeting of the German Society for Thoracic and Cardiovascular Surgery, 2010, Stuttgart, Germany.
20. **Kargar F, Aazami M.H.**
An Integrated Approach to Avoid the Occurrence of Skeletonized Radial Artery's Secondary Vasospasm.
59th International Congress of the European Society for Cardiovascular Surgery, 2010, Izmir, Turkey.
21. **Kargar F, Aazami M.H.**
Strut Chorda Re-Implantation: A New Method to Preserve Mitral Subvalvar Continuity by the Time of Mitral Valve Replacement.
59th International Congress of the European Society for Cardiovascular Surgery, 2010, Izmir, Turkey.
22. **Kargar F, Aazami M.H.**
Retrothymic Routing for Skeletonized Internal Thoracic Arteries: Optimal Lengths, Best Course, Maximal Protection.
59th International Congress of the European Society for Cardiovascular Surgery, 2010, Izmir, Turkey.
23. **Kargar F, Aazami M.H.**
Valsalva-Shaped Bio-Root: A New Alternative Technique for Replacement of the Aortic Roots Using a Stented Bioprosthetic Valve.
59th International Congress of the European Society for Cardiovascular Surgery, 2010, Izmir, Turkey.
24. **Kargar F, Aazami M.H.**
New Technical Advances in Performing "Double-Infloated" Arterial Coronary Arteries Revascularization.
59th International Congress of the European Society for Cardiovascular Surgery, 2010, Izmir, Turkey.
25. **Kargar F, Aazami M, Samiei N, Bakhsahndeh H.**
Tricuspid Valve is Functionally Bicuspid: A New Functional Division Based on the Involvement of Subvalvar Apparatus.
2nd Annual Meeting of the Scandinavian Association for Thoracic Surgery, 2010, Oslo, Norway.
26. **Kargar F, Aazami M.H.**
Does Pericardial Layering of the Right Ventricle at the Time of CABG Affect Adversely the Operative Outcome?
2nd Annual Meeting of the Scandinavian Association for Thoracic Surgery, 2010, Oslo, Norway.
27. **Kargar F, Aazami M.H.**
How Best to Prevent Radial Artery Vasospasm: An Integrated Pharmacomechanical Approach.
2nd Annual Meeting of the Scandinavian Association for Thoracic Surgery, 2010, Oslo, Norway.
28. **Kargar F, Aazami M.H.**
Intra-Coronary Shunt and On-Pump CABG: A Step Towards the Concept of "Zero Technical Flaws."
2nd Annual Meeting of the Scandinavian Association for Thoracic Surgery, 2010, Oslo, Norway.

29. **Kargar F, Aazami M.H.**

A Step-wise Evolving Technical Approach Towards “Ad Physiological” All Arterial Surgical Myocardial Revascularization.