



Alireza Alizadeh Ghavidel MD

Professor of Cardiac Surgery

- Date of Birth: Mach ۱۹۶۹
- Place of Birth: Tabriz-Iran
- Marital Status: Married, with One Son
- Work Address: Vali-Asr st., Niayesh Blvd.,
Rajaei cardiovascular Medical & Research center,
Cardiac Surgery Department
Tehran Iran

- Work phone: (+۹۸) ۲۱ ۲۳۹۲ ۲۱۴۷
- Telefax: (+۹۸) ۲۱ ۲۲۰ ۴۲۰۳۷

- Emails: aaghavidel@rhc.ac.ir
aaghavidel@gmail.com

Medical Degrees:

Medical Degree:

Tabriz University of Medical Sciences: ۱۹۹۴ (Honors Degree)

Postgraduate Degrees:

- √ Board Certified in Cardiovascular Surgery
(Iranian National board of cardiovascular surgeons): September ۲۰۰۰

- √ Board Certified in General Surgery
(Iranian National board of General surgeons): September ۲۰۰۱

Postgraduate Courses:

Adult Cardiac Surgery, Heart Transplantation & Assist Devices

- Mayo Clinic, Rochester MN, USA: May ۲۰۱۱
- La Pitie Hospital , Paris, France : Feb ۲۰۰۹-March ۲۰۰۹
- Mayo Clinic, Rochester MN, USA: Dec ۲۰۰۷- March ۲۰۰۸
- Cleveland Clinic, Cleveland OH, USA: March ۲۰۰۸ - April ۲۰۰۸
- Harvard Medical University, Boston MA, USA:
(Brigham & Women's Hospital) April ۲۰۰۸ - May ۲۰
- UCLA Medical Center, Los Angles,CA, USA: May ۲۰۰۸ - June ۲۰۰۸

Prizes and Awards:

- ۱- Second Rank in cardiac surgery board examination, September ۲۰۰۵
- ۲- Fifth Rank in general surgery board examination, September ۲۰۰۱
- ۳- Awarded travel scholarship in cardiovascular surgery by the Ministry of Health & Medical Educations (Iran)

Clinical Experience in Cardiovascular Surgery:

- √ Current status: (Since November ۲۰۱۴)
Professor in Cardiovascular Surgery
Rajaei Cardiovascular Medical & Research Centre,
Iran University of Medical Science
Tehran, Iran
- √ Since March ۲۰۰۹-November ۲۰۱۴:
Associate Professor in Cardiovascular Surgery
Rajaei Cardiovascular Medical & Research Centre,
Iran University of Medical Science
Tehran, Iran
- √ Oct. ۲۰۰۵ – March ۲۰۰۹:
Assistant Professor in Cardiovascular Surgery
Rajaei Cardiovascular Medical & Research Centre,
Iran University of Medical Science
Tehran, Iran

- v October ۲۰۰۲ to September ۲۰۰۵:
Cardiovascular Surgery Residency Program,
Rajaei Cardiovascular Medical & Research Centre
Iran University of Medical Science

Tehran, Iran

Rajaei Cardiovascular Medical & Research Centre (www.rhc.ac.ir) is the oldest and main cardiac surgery and cardiology Centre in Iran. It has over ۴۰۰ beds and is only dedicated to heart diseases. Over ۳۰۰۰ cardiac surgery procedures are performed annually at this Centre which is a tertiary referral Centre for cardiac surgery in Iran. The full spectrum of cardiac surgery procedures is performed in this hospital including coronary revascularization (both on & off pump), valvular procedures, aortic surgery and full range of congenital heart surgery.

Thesis:

For achievement of subspecialty degree in cardiac surgery:

“Early and Long-term Outcomes in Patients Undergoing Aortic Root Reconstruction by Bentall Technique in Rajaei Cardiovascular & Medical Center”.

Supervised by Dr Mohammad Bagher Tabatabaie

Rajaei Cardiovascular & Medical Center, Iran University of Medical Science

For achievement of specialty degree in general surgery:

“Comparison of clinical results of two techniques (Radial or Snuff box) of Arterio-Venous Fistula in patients with end-stage Renal Disease”.

Supervised by Dr Abolfazl Afsharfard & Dr Mohammad Mozaffar.

Shohada Tajrish General Hospital, Shahid Beheshti University of Medical Science

For achievement of M.D degree:

“The role of Glucose-Insulin-Potassium solution in outcomes of patients with hyperacute myocardial infarction”.

Supervised by Dr Jahanbakhsh Samadikhah

Tabriz University of Medical Science

Clinical Experience in General Surgery:

v October ۲۰۰۱ to September ۲۰۰۲:

Assistant Professor in General Surgery,
Imam Khomeini General Hospital
Tabriz University of Medical Sciences,
Tabriz, Iran

v October ۱۹۹۷ to September ۲۰۰۱:

General Surgery Residency Program, (۴ years)
Shohada Tajrish General Hospital,
Shahid Beheshti University of Medical Sciences,
Tehran, Iran

Academic and Official appointment:

- v Chairman of the Cardiovascular Surgery Department (۲۰۱۱-۲۰۱۴).
- v Member of Mortality and Morbidity Committee of the Rajae Cardiovascular Medical and Research Center (Since May ۲۰۱۱).
- v Member of Organizing Committee of the Operating rooms of the Rajae Cardiovascular Medical and Research Center (Nov ۲۰۱۱-Oct۲۰۱۴).
- v Member of Research and Ethics Committee of Rajae Cardiovascular Medical and Research Center (Since Nov ۲۰۱۱).
- v Member of Intensive Care Units Committee of the Rajae Cardiovascular Medical and Research Center (۲۰۱۱-۲۰۱۴).
- v Member of Health Education Central Group of the Rajae Cardiovascular Medical and Research Center (Dec۲۰۱۱-Aug ۲۰۱۳).
- v Member of HSR Council of the Rajae Cardiovascular Medical and Research Center (Dec۲۰۱۱-Aug ۲۰۱۳).
- v Member of Critical Care Unit and CPR Committee of the Rajae Cardiovascular Medical and Research Center (since Nov. ۲۰۱۳).
- v Member of Safety and Risk Management of the Rajae Cardiovascular Medical and Research Center (since Nov. ۲۰۱۳).

- v General Secretary of the First Iranian Joint Congress international Congress of Iranian Society of Cardiac Surgeons, Razi Convention Center, Tehran Iran, April ۲۰۱۲ Scientific Secretary of the EACTS course in Minimally Invasive cardiac Surgery in Tehran, Rajae Cardiovascular Medical and Research Center (Since Nov ۲۰۱۱).
- v Director of Research and Ethics Committee of Cardiac Surgery Department, Rajae Cardiovascular Medical & Research Center (Feb.۲۰۱۱-Oct ۲۰۱۱).
- v Faculty staff of Heart Valve Disease Research Center, Iran Cardiovascular Research Institute, Iran University of Medical Science, (Since ۲۰۰۹).
- v Scientific Deputy of Heart Valve Disease Research Center, Iran Cardiovascular Research Institute, Iran University of Medical Science, (Since May ۲۰۱۱).
- v Director of Official Website of Iranian Society of Cardiac Surgeons (ISCS), (July ۲۰۰۹-۲۰۱۲).
- v Scientific secretary of First Congress of the Iranian Cardiac Perfusion Association, Tehran- Iran, Jan.۲۰۰۹.
- v Associate Editor of Research in Cardiovascular Medicine Journal. (Since ۲۰۱۲).
- v Editorial Board, Iranian Society of Cardiac Surgeons (ISCS) Official Journal, (Since ۲۰۰۸).

- ✓ Editorial Board, Iranian Heart Association (IHA) official Journal, (since ۲۰۰۸).
- ✓ Section editor, Journal of Cardiovascular & Thoracic Research, (Since ۲۰۰۹).
- ✓ Editorial Board, Official Journal of Iranian Society of Cardiac Anesthesia. (Since ۲۰۱۱).
- ✓ Member of Iranian Society of Cardiac Surgeon (ISCS), Since ۲۰۰۰.
- ✓ Member of Iranian Heart Association (IHA), Since ۲۰۰۰
- ✓ Member of European Association for Cardiothoracic Surgeons (EACTS), since ۲۰۱۱
- ✓ Member of Iranian Hear Charity (Since ۲۰۰۸).
- ✓ Member of Executive Committee of ۶th ISCS Congress, Tehran-Iran, ۲۷-۳۰ Oct. ۲۰۰۹.
- ✓ Member of Scientific committee of International IHA Congress, Tehran-Iran, ۱۰-۱۳ May, ۲۰۱۱.
- ✓ Member of Scientific committee of second Iranian Congress of Cardiothoracic & Vascular Anesthesia, Yazd-Iran ۱۳-۱۰ May ۲۰۰۹.

Publications:

۱. Ghavidel A.A, Gholamreza Omrani, Mitra Chitsazan, Ziae Totonchi and Nader Givtaj, Long-term results of aortic valve replacement with posterior root enlargement. Asian Cardiovascular and Thoracic Annals 2014 22: 1059. DOI: 10.1177/0218492314528923
۲. Ghavidel A.A; Ziae Totonchi ; Abedin Hoseini ; Mohsen Ziyaeifard ; Rasoul Azarfarin. Blood Transfusion Practice in a Referral Cardiovascular Center in Tehran, Iran: A Critical Point of View. DOI: 10.5812/cardiovascmed.21772.
۳. Ghavidel A.A, Javadicasgari H, Sadeghpour A, Totonchi Z, Modified Aortic Root Replacement Technique in Destructive Ventricular-Aortic Discontinuity. The Annals of thoracic surgery, January ۲۰۱۴ , ۹۷ (۱); ۳۴۷-۳۴۹.
۴. Zahra khajali, Shabnam Mohammadzadeh, Majid maleki, Mohammad peigambari, Anita sadeghpour, Ghavidel A.A, mahammadreza Mirzaaghayan. Fibrinolytic therapy for Mechanical Pulmonary Valve Thrombosis. Pediatric cardiology. DOI. 101007/00246-014, 2014 Aug 22.
۵. Ghavidel A.A, Hoda Javadikasgari, Majid Maleki, Arsha Karbassi, Gholamreza Omrani, Feridoun Noohi. Two new mathematical models for prediction of early mortality risk in coronary artery bypass graft surgery. J Thorac Cardiovasc Surg 2014; -:1-8.
۶. Ghavidel A.A, Parisa Ramezannejad, Yalda Mirmesdagh, Ali Sadeghpour. Prevention of Edema After Coronary Artery Bypass Graft Surgery by Compression Stockings. Res Cardiovasc Med. 2014 May; 2(2): e1746313-8.
۷. Ghavidel A.A, MD, Maryam Shojaeifard, MD*, Yalda Mirmesadagh, MD A Rare Case of Right-Sided Heart Failure after Bentall Procedure. J Teh Univ Heart Ctr 2014; 9(4):183-185.
۸. Ghavidel A.A, Ziae Totonchi, Mitra Chitsazan, Maziar Gholampour Dehaki, Farshid Jalili2, Fariborz Farsad, Maral Hejrati . Safety and Efficacy of Caproamin Fides and Tranexamic

Acid Versus Placebo in Patients Undergoing Coronary Artery Revascularization. J Cardiovasc Thorac Res, 2014, 6(3), 197-202.

۹. Ghavidel A.A, Yalda Mirmesdagh, Niloufar Samiei, Maziar Gholampour Dehaki. Haemostatic Role of TachoSil Surgical Patch in Cardiac Surgery. J Cardiovasc Thorac Res. 2014;6(2):91-5.
۱۰. Niloufar Samiei, Mohammad Reza Hakimi, Yalda Mirmesdagh, Mohammad Mehdi Peighambari, Ghavidel A.A, Saeid Hosseini. Surgical outcomes of heart valves replacement: A study of tertiary specialized cardiac center. ARYA Atheroscler 2014; Volume 10, Issue 5
۱۱. Ghavidel A.A, Samiei N, Javadikasgari H, Bashirpour K. Premeasured Neochordae Loop Maker: A New Technology in Mitral Valve Repair. Innovations: Technology & Techniques in Cardiothoracic & Vascular Surgery: November/December 2013 - Volume 8 - Issue 6 - p 443-449.
۱۲. Ghavidel A.A, Kyavar M, Sadeghpour An, Tototnchi Z, Mirmesdagh Y, Almassi N, Madadi Sh. Unusual Clinical Presentation of a Giant Left Ventricle Hydatid Cyst. J Cardiovasc Thorac Res, 2013, 5(4), 175-178.
۱۳. Ghavidel A.A, Samiei N, Javadikasgari H, Bashirpour K. Neochordameter: A New Technology in Mitral Valve Repair. Reserch in Cardiovasc Medicine. 2013 September; 1(5): 186-9.
۱۴. Ghavidel A.A, Nabavi S, Haghjoo M, Totonchi Z, Mirmesdagh Y, Javadikasgari H. “Amiodaron Versus Lidocain for the Prevention of Reperfusion Ventricular Fibrillation: A Randomized Clinical Trial” Arya atheroscler ۲۰۱۳; Vol ۹, No ۶
۱۵. Totonchi Z, Seifi S, Chitsazan M, Ghavidel A.A, Baazm F, Faritus Z.. “ pain Location and Intensity During the first Week Following Coronary Artery Bypass Graft Surgery” Anesth Pain Med. 2013 Dec; 3(3):e10386.

۱۶. Ghavidel AA, Noorizadeh E, Pouraliakbar H, Mirmesdagh Y, Hosseini S, Asgari B, Dehaki MG. Impact of Intact Pleura during Left Internal Mammary Artery Harvesting on Clinical Outcome. *J Tehran Heart Cent.* 2013 Jan;8(1):48-53. Epub 2013 Jan.
۱۷. Ghavidel AA, Sadeghpour A, Alizadehasl A. Rescue coronary artery bypass grafting in isolated life-threatening right ventricular failure after aortic valve replacement. *J Thorac Cardiovasc Surg.* 2012 Dec;144(6):1538-9. doi: 10.1016/j.jtcvs.2012.08.024.
۱۸. Haghjoo M, Heidarali M, Nikfarjam S, Peighambari M, Ghavidel A.A, Hosseini S, Jalali A. Very Late Effects of Postoperative Atrial Fibrillation on Outcome of Coronary Artery Bypass Graft Surgery. *Res Cardiovasc Med.*2012;1(1):.
۱۹. Ghavidel A.A, Kyavar M, Ojaghi Z, Mirmesdagh Y Huge arteriovenous fistula between a giant aneurismal right coronary artery and coronary sinus. *Arch Iran Med.* ۲۰۱۲ Feb;۱۰(۲):۱۱۳-۴.
۲۰. Ghavidel A.A; Mirmesdagh Y ; Sharifi M ; Sadeghpour An; Nakhaeizadeh R ;Omrani G. The Impact of Sub-valvular Apparatus Preservation on Prosthetic Valve Dysfunction During Mitral Valve Replacement *Research in Cardiovascular Medicine.* 2012 September; 1(2): 55-61.
۲۱. Omrani G, Baghaei R, Ghavidel A.A, Baharestani B, Gholampour M. " Re-do Tricuspid Valve Replacement, Technical Consideration: valve in Valve Insertion, *Iranian J cardiac Surgery.* Aug 2012: 4(3).
۲۲. Samiei N, Kashfi F, Khamoushi A, Hosseini S, Ghavidel A.A,, Taheripanah R, Mirmesdagh Y. Pregnancy outcome after mechanical mitral valve replacement: a prospective study. *J Tehran Heart Cent.* 2012 Aug;7(3):117-20. Epub 2012 Aug 31.
۲۳. Ghavidel AA, Gholampour M, Kyavar M, Mirmesdagh Y, Tabatabaie MB. Constrictive pericarditis treated by surgery. *Tex Heart Inst J.* 2012;39(2):199-205.

۲۴. Talebi Ardakani M, Sobouti F, Ghavidel A.A, Gholampour M, Shariati M, Kazemi B. " Association Between Periodontal Pathogens and Coronary Artery Disease: A case control Study" Iranian Heart Journal ۲۰۱۱; ۱۲,۲: ۳۴-۴۱.
۲۵. Mozaffari K, Ghavidel A.A " Thymic Cavernous Hemangioma: An Incidental Finding During CABG in ASeventy years-old Woman (A case Report). Iranian Journal of Cardiac Surgery, ۲۰۱۱; ۳,۳: ۴۲-۴۴.
۲۶. Gholampour M, Sadeghpour A, Azadi C, Ghavidel A.A, Omrani G "Pulmonary Artery Banding in the Current Era: Is it still Safe and Useful? The Iranian journal of Cardiac Surgery" ۲۰۱۱; ۳,۳: ۱۲-۱۷
۲۷. Ghavidel A.A, Askari B.,Rezaei M, Moosavi M, Sharifi M, Babakan R."Does Retrograde Administration of Cardioplegic Solution Improve the Clinical Outcome in Primary CABG" Iranian J cardiac Surgery ۲۰۱۱;(۳),۲: ۲۳۰-۴۱
۲۸. Khamoushi A, Kashfi F, Hosseini S, Ghavidel A.A, Samiei N, haddadzadeh M "Anticoagulation During Pregnancy in Women with Mechanical Heart Valves: A Prospective Study" Int J Fertility & Sterility; ۲۰۱۱ (۵),۳: ۴۷-۵۱.
۲۹. Gholampour M, Ghavidel A.A, Givtaj N, Omrani G, salehi S, " Recurrence rate of Different Techniques of Coarctation of Aorta: A ۱۰ Years experience" Ann Ped Cardiol ۲۰۱۰; (۳), ۲: ۱۲۳-۶.
۳۰. Sadeghpour A, Maali S, Alavi M, Babae T, Ghavidel AA. "A ۱۲ Year experience with primary Cardiac tumors" Iranian Heart J. ۲۰۱۰; ۱۱,۲: ۴۹-۵۵.
۳۱. Gholampour M, Salehi S, Mali A, Ghavidel AA, baharestani B, Nakhaeezadeh R, Deris D, " Outcome of VSD Repair in Various Anomaies: a Single Institute Experience & Literature Review" Iranian Heart J. ۲۰۰۹; ۱۰,۴: ۴۰-۴۴.

۳۲. Omrani G, Ghavidel AA, Sharifie M, Nakhaiezadeh R, " Midterm result & Surgical Technique Consideration in Pulmonary Thromboendathrectomy" J of cardiovascular & Thoracic research. ۲۰۰۹; ۳:۲۳-۲۸
۳۳. Gholampour M, Omrani G, Ghavidel A.A, baharestani B "dysphagia Lusoria caused by Aberrent right Subclavian Artery: Vascular Ring" Iranian Heart Journal ۲۰۱۰; (۱۱),۳: ۴۰-۴۳.
۳۴. Hosseini S, Haddadzadeh M, Ghavidel AA, " Atrial Septal Aneurysm Concomitant with Sever Mitral stenosis" Iranian Heart J. ۲۰۰۹ ۱۰,۳: ۴۷-۵۰.
۳۵. Ghavidel AA, Alinejad Z, Totouchi Z, Nourizadeh E, JalilifarN, Adambeig A, Bakhshandeh H, Gholampour M, Tabatabaie MB, "Continous Local Infusion of bupivacain with On-Q Pump System for Pain management after Median Sternotomy" Iranian J cardiac Surgery. ۲۰۰۹ Aug ۲:۳-۹.
۳۶. Ghavidel AA, jalilifar N, Sharifi M, ghasemzadeh B, Alinejad Z, Khamushi A, Bakhshandeh H, Hosseini S, farsad F, yousefnia MA, " Role of epsilon Amincaproic acid & Tranexamic Acid, vs Placebo in Reduction of Mediastinal Bleeding following Open heart Surgery" Iranian J cardiac Surgery. ۲۰۰۹ Aug ۲: ۱۳-۸.
۳۷. Gholampour M, Ghavidel A.A, Givtaj N, " Midterm Results after Surgical correction of Total Anoumalous Pulmonary Venous Connection" Med J IR Iran. Aug. 2008,22(2).
۳۸. Ghavidel AA, Javadpour H, Shafiee M, Tabatabaie MB, Raiesi K, Hosseini S. "Cryoablation for surgical treatment of chronic atrial fibrillation combined with mitral valve surgery: a clinical observation". Eur J Cardiothorac Surg. ۲۰۰۸ Jun; ۳۳(۶): ۱۰۴۳-۸.
۳۹. Ghavidel AA, Javadpour H, Tabatabaei MB, Adambeig A, Raiesi K, Noohi F. "Complete surgical repair of Tetralogy of Fallot in adults, is it ever too late?" J Card Surg. ۲۰۰۸ Jan-Feb; ۲۳(۱): ۲۳-۶.

۴۰. Shafiee M, Baharestani B, Nemati B, Hosseini S, Ghavidel AA, Baghaie R, Tabaie AS. "Off Pump vesus On Pump Coronary Artery Bypass Surgery in Shahid Rajaei heart Center" Iranian J Cardiac Surgery. Jan ۲۰۰۸, ۲: ۲۱-۲۰.
۴۱. Ghavidel AA, Javadpour H, Tabatabaie MB, Adambeig A, Hosseini S, Gholampour M, Mirsadeghi H, "Surgical Treatment of Chronic Constrictive Pericarditis, Is tuberculosis Still A Common Cause?" Iranian J cardiac Surgery ۲۰۰۸ Dec. ۲:۳-۱۰.
۴۲. Omrani G, Ghavidel AA, Ghaffari R, Tabatabaie MB. "Valve Replacement I Small Aortic Root; A Ten year Experience of Aortic Root Reconstruction By Manouguian's Technique".Iranian J Cardiac Surgery. ۲۰۰۸; ۲: ۱۰-۲۰.
۴۳. Ghavidel AA, Javadpour H, kashfi F, Adambeig A, Gholampour M, Tabatabaie MB. "Does Coronary Artery Bypass Graft Surgery Improve Whole Aspects of Quality of Life" Iranian J Cardiac Surgery. Jan ۲۰۰۸, ۲: ۲۹-۳۲.
۴۴. Kashfi F, Khamooshi A, Madani T, Hosseini S, Taheripanah R, Ghavidel AA.. "Pregnancy Outcome with Intracytoplasmic Sperm Injection Method in a Woman with Prosthetic Heart Valves. Iranian JOURNAL OF FERTILITY AND STERILITY. ۲۰۰۷ Vol.۱:(۲) Pages: ۴۷-۱۰۰.
۴۵. Ghavidel AA, "Surgical Management of Small Aortic Root (Review article) Iranian J of cardiac Surgery ۲۰۰۷; ۳:۱۰-۲۲.
۴۶. Hosseini S, Ghavidel AA, Shafiee M, Tabatabaie MB, Raiesi K. "Recent topics on the surgical treatment of chronic atrial fibrillation: Efficacy and safety of Cryosurgical ablation. Iranian journal of cardiac surgery" Jan ۲۰۰۸; vol ۲, no ۱.
۴۷. Ghavidel AA, Omrani G, Arabi M, Givtaji N, Mozaffarian A, "Association of primary cardiac malignancy and Wilm's tumor, A Case report. Iranian journal of cardiac surgery" ۲۰۰۷; ۳:۳۰-۳۷.

۴۸. Givtaj N, Ghavidel AA, Sheiki A, Gholampour M, Yousefnia MA, Mid-term Results After Surgical Correction of Total Anomalous Pulmonary Venous Connection. Iranian journal of cardiac surgery ۲۰۰۷; ۶.
۴۹. Ghavidel A.A, Kashfi. F, Javadpour H, Adambeig A, Gholampour M, Tabatabaie MB. Does Coronary Artery Bypass Graft Surgery Improve Whole Aspects of Quality of Life? Iranian journal of cardiac surgery ۲۰۰۷; ۵.
۵۰. Tabatabaie MB, Ghavidel AA, Yousefnia MA, Hoseini S, Javadpour SH, Raesi K. Classic konno-rastan procedure: indications and results in the current era. Asian Cardiovasc Thorac Ann. ۲۰۰۶ Oct; ۱۴(۵):۳۷۷-۸۱.
۵۱. Ghavidel AA, Tabatabaei MB, Yousefnia MA, Omrani GR, Givtaj N, Raesi K. Mortality and morbidity after aortic root replacement: ۱۰-year experience. Asian Cardiovasc Thorac Ann. ۲۰۰۶ Dec; ۱۴(۶):۴۶۲-۶.
۵۲. MB Tabatabaei, Ghavidel A.A, K. Raisi, M.Yousefnia, G. Omrani, N.Givtaj, S. Hoseini, A. Yaghoubi, M.Arabi, H. Javadpour, B. Baharestani, A. Sadeghpour Tabaie. The Rastan-Konno Procedure for Complex left Ventricular Outflow Tract Obstruction and Small Aortic Root,. Iranian Heart Journal, volume ۶, number ۴, Winter ۲۰۰۵, ۲۷-۳۳.
۵۳. A.A Ghavidel, MB Tabatabaie, MA Yousefnia, G. Omrani, B. Baharestani, K. Raiesi Early and mid-term outcomes in patients undergoing aortic root replacement in Rajaei Heart centre. Iranian Heart Journal ۲۰۰۵, vol. ۶, No.۳, ۶-۱.
۵۴. Kashfi F, Tabatabaie M.B, Khamoshi A.J, Hosseini S, Sadeghpour A, Ghavidel A.A. "Methods of contraceptive in women with prosthetic heart valves in Shaheed Rajaei Cardiovascular, Medical & Research Center" Medical journal of reproduction and infertility, volume ۶-issue ۳-summer ۲۰۰۵
۵۵. Ghavidel A.A, Mozaffar M, Afshar A. Results of bilateral inguinal hernia repair using pre-peritoneal patch method. Journal of Iranian Society surgeons, Persian ۲۰۰۲; ۳۱:۱۳۲-

۱۳۶.

۵۶. Afshar A, Ghavidel A.A, Kalantar motamedi. Efficacy and patency rate of arteriovenous fistula in hemodialysis patients, A comparative study of two anatomic areas; radial versus snuff box. Pajuhande Journal, Persian ۲۰۰۱; ۲۶:۸۷-۹۲.

Scientific Projects in Progress:

- I. Determining the long-term outcome of Aortic dissection at Rajaie heart center, A single center data registry
- II. Design and manufacturing of Surgical Instrument with the ability to install camera and light source on it for Ventricular Wall Surgery
- III. Efficiency of Caproamin in Reduction of CABG Mediastinal Bleeding in High Risk Patients.
- IV. The Evaluation of the Safety and efficacy of anterograde (intracoronary) and retrograde (via coronary sinus) injection of autologous mononuclear bone marrow stem cell in patients with the history of repaired Tetralogy of Fallot who undergo pulmonary valve replacement surgery: A Phase I and II clinical trial.
- V. Correlation between the number of gaseous micro-emboli detected by Trans Esophageal Echocardiography in cardiopulmonary bypass surgery and postoperative multi organ function.
- VI. Coronary sinus Inflammatory and ischemic biomarkers level in retrograde- anterograde versus anterograde cardioplegia during cardiopulmonary bypass surgery: A single blinded randomized controlled trial.

- VII. The Evaluation of the Safety and efficacy of retrograde (via coronary sinus) injection of autologous mononuclear bone marrow stem cell in patients with the history of previous myocardial infarction and chronic heart failure who undergo coronary artery bypass surgery: A Phase I and II clinical trial.
- VIII. Evaluation the efficacy of a new device for measuring the length of neochordae in mitral mitral valve repair based on perioperative echocardiographic views: A phase II clinical trial.
- IX. Efficacy of modified cox-maze procedure with cryoablation in patients with persistent atrial fibrillation undergoing concomitant mitral valve surgery: Single Blinded Randomized Controlled Trial.
- X. Safety of autologous intra papillary muscle injection of bone marrow stem cell in patients with up to moderate ischemic mitral regurgitation: A Phase II clinical trial.
- XI. Determining the performance of two preoperative risk models; Euro SCORE II and STS in a prospective cardiac surgery database.
- XII. CO2 insufflation effect on the number of microemboli detected by Transesophageal echocardiography on multi-organ function in cardiopulmonary bypass surgery: A single-blinded randomized controlled trial
- XIII. Long-term outcome of Type A Aortic dissection at Rajaie Heart Center (a single center data registry)

Innovation:

Premeasured Neochordameter: (Neochordae Loop Maker)

A new and Novel device that enables cardiac surgeons to make neochordae loops before commencing the cardiopulmonary bypass and might lessen the complexity and the procedure time especially in minimally invasive and robotic mitral valve repair.

Related articles:

1.Ghavidel A.A, Samiei N, Javadikasgari H, Bashirpour K. Premeasured Neochordae Loop Maker: A New Technology in Mitral Valve Repair. Innovations: Technology & Techniques in Cardiothoracic & Vascular Surgery: November/December 2013 - Volume 8 - Issue 6 - p 443-449.

2.Ghavidel A.A, Samiei N, Javadikasgari H, Bashirpour K. Neochordameter: A New Technology in Mitral Valve Repair. Reserch in Cardiovasc Medicine. 2013 September; 1(5): 186-9.

Books:

- ☞ Comprehensive Approach to Adult Congenital Heart Disease. (English) Authors: Anita sadeghpour, majid Kyavar, Azin Alizadehasl. Springer ۲۰۱۴. Ghavidel AA .As contributor of two surgical section,
- ☞ Valvular Heart Disease (Persian) Authors: Tabatabaie MB, Gholampour M, Ghavidel AA, Omran Publication ۲۰۰۹
- ☞ Anatomy of Trunk;Gray's Anatomy, Persian translation Ghavidel A.A, Azimzadeh B. - Jahad Daneshgahi Publications, ۱۹۹۲.

Presentations:

- ۵ GI complications after Cardiac surgery, Ghavidel A.A (Invited Lecturer) First symposium on Gastrointestinal complication in cardiac disease, Rajaei cardiovascular Medical & Research Center, October ۲۰۱۴.
- ۵ Cardiac Surgery In Patients with End-stage Renal Disease. Ghavidel A.A (Invited Lecturer) ۱th symposium on "Cardiac Disease in patients with kidney disease". January ۲۰۱۴
- ۵ Updates in TR surgical management. Ghavidel A.A (Invited Lecturer) ۲th Iranian Cardiovascular Joint Congress" Feb. ۲۰۱۴, Tehran, Iran.
- ۵ Updates in CABG Guidelines. Ghavidel A.A (Invited Lecturer) "۳۷th annual meeting of the Iranian Association of surgeons" April ۲۰۱۳.
- ۵ Prosthetic Heart Valve & pregnancy: a ۱۰ year Experience. Kashfi F, Samiei R, Khamooshi AJ, Hosseini S, Ghavidel A.A, Taheripour R. "۲th International Congress on Cardiac Problems in Pregnancy", May ۲۰۱۲, Berlin, Germany.
- ۵ Emergency Open Heart Surgery during Pregnancy. Kashfi F, Hosseini S, Khamooshi AJ, Samiei R, Ghavidel A.A, Yazdani F. " ۱th Iranian Cardiovascular Joint Congress" Sep. ۲۰۱۲, Tehran, Iran.
- ۵ Preliminary report of the first clinical trial in Iran on "usefulness of the Tachosil patch as homeostatic agent in complex open heart surgeries". Ghavidel A.A Bi-monthly meeting of ISCS, Tehran Heart Center, Tehran-Iran, September ۲۰۱۱.
- ۵ Sever RV failure after Bentall procedure in a young lady with history of type A aortic dissection, Ghavidel A.A Bi-monthly meeting of ISCS, Tehran Heart Center, Tehran-Iran , July ۲۰۱۱
- ۵ Prosthetic Heart Valve Choice in Childbearing Women. Ghavidel A.A (Invited Lecturer) First Symposium of Pregnancy & Heart Valve Disease, ۱۰th July ۲۰۱۱, Tehran-Iran.

- ☪ Pregnancy after Mechanical Mitral Valve Replacement. Kashfi F, Khamooshi AJ, Hosseini S, Ghavidel A.A, Samiei R, Taheripour R. " ۵۹th International Congress of European Society of Cardiovascular Surgery, April ۲۰۱۰, Istanbul, Turkey.
- ☪ Metabolic Responses to Injury and Surgical Trauma. Ghavidel A.A (Invited Lecturer) Anesthesia Management in Cardiac Cashexia (The Symposium of Iranian Society of cardiac Anesthesia); Feb ۱۸, ۲۰۱۰. Tehran-Iran
- ☪ Role of Epsilon Aminocaproic acid & Tranexamic Acid, vs Placebo in Reduction of mediastinal Bleeding following Open Heart Surgery
Ghavidel A.A, Yousefnia MA, Jalilifar A, Bakhshandeh H, Gholampour M, Totouchi Z, Farsad F. Updates in cardiac surgery (Kowsar Hospital International Congress) ۱۲-۱۵ April ۲۰۱۰, Shiraz-Iran.
- ☪ Continuous Local Infusion of Bupivacain with ON-Q Pump System for Pain Management after Median Sternotomy. Ghavidel A.A, Nourizadeh E, Alinejad Z, Toutouchi Z, Adambeig A, Bakhshandeh H., Gholampour M, Tatatabaie MB. ۲th Iranian Congress of cardiothoracic-vascular Anesthesia, ۱۲-۱۴ may ۲۰۰۹.
- ☪ Mitral Valve replacement with Sub-valvular apparatus preservation. Ghavidel A.A, Tabatabaie MB, Nakhaiezhadeh R, Sadeghpour A, Baharestani B. ۱۶th Congress of Iranian Heart Association in Collaboration with American college of Cardiology ۱۹-۲۱ Nov. ۲۰۰۸
- ☪ Clinical Association of Indexed Effective Orifice Area and Residual Transvalvular pressure Gradient after Aortic Valve Replacement with Carbomedics Mechanical Prosthesis Ghavidel A.A, Alinejad Khoram Z, Nakhaiezhadeh R, Gholampour M, Sheikhi M, Pourabbasi M, Hosseni S, Tabatabaie MB ۲th Razavi Int'l Aortic Symposium ۱۱-۱۲ Dec. ۲۰۰۸, Masshad-Iran

- ☪ Does Mitral Valve Replacement with Preservation of Subvalvular Apparatus Increase the Risk of prosthetic valve Dysfunction? Ghavidel A.A, Tabatabaie MB, Sadeghpour A, Gholampour M. ۶th International Congress of Iranian Society of Cardiac Surgeons in Collaboratin with STS, ۲۷-۳۰ Oct. ۲۰۰۹, Tehran Iran.

- ☪ Correlation between Periodontal Disease & Coronary Heart Disease. Sobouti F, Talebi Ardakani M, Shariati M, Ghavidel A.A ۶th International Congress of Iranian Society of Cardiac Surgeons in Collaboratin with STS, ۲۷-۳۰ Oct. ۲۰۰۹, Tehran Iran

- ☪ Surgical Treatment of Chronic Constrictive Pericarditis, Is It Ever Too Late? Ghavidel A.A, Tabatabaie MB, Adambeig A, Givtaj N, Javadpour H. ۵th International Congress of The Iranian Society of Cardiac Surgeons in Collaboration with German Society of Cardiac Surgeons, ۲۰-۲۳ Nov. ۲۰۰۷, Tehran-Iran.

- ☪ Off Pump Versus On Pump Coronary Artery Bypass Surgery in Shahid Rajae Heart Center, Shafiee M, Baharestani B, Nemati B, Hosseini S, Ghavidel A.A, Sadeghpour A, ۵th International Congress of The Iranian Society of Cardiac Surgeons in Collaboration with German Society of Cardiac Surgeons, ۲۰-۲۳ Nov. ۲۰۰۷, Tehran-Iran.

- ☪ Aortic Arch Replacement for Acute Aortic Arch Dissection. Hadadzadeh M, Hosseini S, Tabatabaie MB, Ghavidel A.A. ۵th International Congress of The Iranian Society of Cardiac Surgeons in Collaboration with German Society of Cardiac Surgeons, ۲۰-۲۳ Nov. ۲۰۰۷, Tehran-Iran.

- ☪ Quality of life ۶-۱۲ month after Coronary Artery Bypass Grafting. Tabatabaie MB, Ghavidel A.A Presented at the ۱۴th annual meeting of the Asian Society for Cardiovascular Surgery, June ۲۰۰۶ Osaka Japan.& ۱۰th congress of the Iranian Heart Association, (in collaboration the French Heart Association) November ۲۰۰۶, Tehran-Iran.

- ☺ Mortality & morbidity after aortic root replacement: ۱۰ years experience. Ghavidel A.A, Tabatabaie MB, Hosseini S, Raiesi K Presented at the third congress of the Iranian society of cardiovascular surgeons May ۲۰۰۶, Tehran-Iran.

- ☺ Management of small aortic root at the second symposium of Iranian society of cardiovascular surgeons. Ghavidel A.A (Invited Lecturer)February ۲۰۰۶, Tehran- Iran.

- ☺ Surgical pathology of surgically excised heart valves.Yaghoubi A, Raiesi K, Hosseini S, Ghavidel A.A The fourth congress of the Iranian society of cardiovascular surgeons ۱۶th to ۱۹th November ۲۰۰۵, Tehran- Iran.

- ☺ Complete repair of Tetralogy of Fallot in adults, is it ever too late? Ghavidel A.A, Tabatabaie MB Presented at the ۱۴th congress of the Iranian Heart Association, (in collaboration the British Heart Association) ۲۳rd to ۲۶th November ۲۰۰۴, Tehran- Iran & ۱۳th annual meeting of the Asian Society for Cardiovascular Surgery July ۲۰۰۵ Bangkok, Thailand.

- ☺ Total Cavo-pulmonary connection for complex cardiac anomalies with the functional single ventricle. Yaghoubi A, Givtaj N, Ghavidel A.A, Gholampour M Presented at the ۱۴th congress of the Iranian Heart Association, (in collaboration the British Heart Association) ۲۳rd to ۲۶th November, ۲۰۰۴, Tehran- Iran.

- ☺ Influence of pregnancy on the durability of bioprosthetic heart valves. Hosseini S, Yaghoubi A, Kashfi F, Ghavidel A.A Presented at the ۱۴th congress of the Iranian Heart Association, (in collaboration the British Heart Association) ۲۳rd to ۲۶th November, ۲۰۰۴, Tehran- Iran.

- ☪ The Konno-Rastan procedure for complex left ventricular out-flow tract obstruction & small aortic root. Ghavidel A.A, Tabatabaie MB, Hosseini S, Raiesi K Presented at the ۱۲th annual meeting of the Asian Society for Cardiovascular Surgery, ۱۸th to ۲۲nd April ۲۰۰۴, Istanbul- Turkey.

- ☪ Early & late outcomes in patients undergoing aortic root replacement according to the Bentall technique in Rajaei heart centre of Iran. Ghavidel A.A, Tabatabaie MB, Khamoushi A, Gholampour M, Hosseini S Presented at the ۱۲th annual meeting of the Asian Society for Cardiovascular Surgery, ۱۸th to ۲۲nd April ۲۰۰۴, Istanbul- Turkey.

- ☪ Influence of Pregnancy on the Durability of Bioprosthetic Valves, Yaghoubi AR., Hosseini S., Kashfi F., Khamoushi AM., Tabatabai MB., Omrani G., Ghavidel A.A, Sadeghpour A., Yousefnia MA., Noohi F.; Cardiac Surgery and Cardiology Department, Shaheed Rajaei Cardiovascular, Medical & Research Center, Tehran Iran.; ۱۴ th Congress of Iranian Heart Association In Collaboration with British Cardiac Society Nov. ۲۳ - ۲۶ . ۲۰۰۴ .Tehran, Iran

Fields of Interest:

- √ Aortic Root & Arch Reconstruction
- √ Mitral Valve Repair
- √ Complex Heart Valve Surgeries
- √ Heart Transplantation & VAD Systems
- √ Redo Cardiac Surgeries