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Associate Professor of Cardiac Surgery

Academic Address:

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Date of birth: March 21, 1967

Place of birth: Tehran, Iran.

Fields of Interest:

1. Congenital Heart Surgery
2. Cardiac Valve Repair Surgery
3. Off- pump Coronary Artery Bypass Surgery
4. Aortic Root Surgery

Academic Studies:

- **Sep. 2014** : A one-month Observation Course in Pediatric Heart Surgery Department of Necker Hospital, Paris, France
- **Feb. 2011** : Training program of Edwards SAPIEN Pulmonary Transcatheter Valves.- Nyon, Switzerland
- **2002-2003** : Post graduate Course in Adult Cardiac Surgery. Pitie Hospital- Paris – France
- **1998 - 2001** :Subspeciality Training in Cardiovascular Surgery (Board Exam Certified) Rajaie Cardiovascular, Medical and Research Center- Tehran University of Medical Sciences- Tehran- Iran
- **1992 - 1996** :Speciality Training in General Surgery (Board Exam Certified) Tehran University of Medical Sciences- Sina Hospital- Tehran- Iran
- **1985-1992** : General Medicine- Tehran University of Medical Sciences- Faculty of Medicine- Tehran- Iran

Professional Experiences:

- Associate Professor of Cardiac Surgery- Modarres Hospital- Shahid Beheshti University of Medical Sciences- Tehran- Iran since **March 2015**
- **2013-2014** :Director of the Cardiac Operating Rooms- Rajaie Cardiovascular, Medical and Research Center- Tehran University of Medical Sciences- Tehran- Iran
- **2011-2013** :Research Deputy of the Cardiac Surgery Department- Rajaie Cardiovascular, Medical and Research Center- Tehran University of Medical Sciences- Tehran- Iran
- **Medicolegal Advisor of The Medical Council of Iran since 2009**
- Associate Professor of Cardiac Surgery-Rajaie Cardiovascular, Medical and Research Center- Tehran University of Medical Sciences- Tehran- Iransince **2008**
- Scientific Secretary of the Iranian Society of Cardiac Surgeons since **2005** .
- **2003-2007** : Assistant professor of Cardiac Surgery- Rajaie Cardiovascular, Medical and Research Center- Tehran University of Medical Sciences- Tehran- Iran
- **1998-2001** : Residency in Cardiac Surgery- Rajaie Cardiovascular, Medical and Research Center- Tehran University of Medical Sciences- Tehran- Iran
- **1996-1998** : General Surgeon- Khatam Hospital- Shooshtar- Iran

Presentations:

- 1- July, 2015 :** Surgery for Ischemic Mitral Regurgitation. Oral presentation. The monthly conferences of Modarres Hospital
- 2- Jun. 2015 :** Pulmonary Hypertension and Congenital Heart Surgery. Oral presentation. The first Pulmonary Hypertension Summit. Tabriz- Iran
- 3- Apr., 2015 :** Surgical Aspects of TGA and Intact Ventricular Septum. Oral presentation. The 5th Iranian Congress of Pediatric Cardiology- Tehran- Iran
- 4- Feb., 2014 :** Midterm outcome of congenital mitral valve surgery. Oral presentation. The 2nd Iranian Cardiovascular Joint Congress. Tehran- Iran
- 5- Feb., 2014 :** Kidney Injury in Pediatric Cardiac Surgery. Oral presentation. The 2nd Iranian Cardiovascular Joint Congress. Tehran- Iran
- 6- Apr, 2013 :** The surgical challenge of coronary anomaly during arterial switch operation. Oral presentation. The 4th Iranian Congress of Pediatric Cardiology.
- 7- Feb.2013 :**The characteristics of Pediatric Cardiopulmonary Bypass- The 2nd Iranian Congress of Cardiopulmonary Bypass Updates- Tehran- Iran
- 8- Sep.2012 :** TGA and VSD, Tips and Tricks .Video Presentation. The first Iranian Cardiovascular joint Congress.
- 9- Sep.2012 :**PVR after TOF Repair, What is the best option. Oral presentation. The first Iranian Cardiovascular Joint Congress.
- 10-Feb.2012 :** Congenital Aortic Valve Repair Surgery. Oral presentation. The third symposium of Aorta and aortic root surgery.
- 11-March,2012 :** The Effect of Modified Ultrafiltration on Blood Pressure Improvement and ICU Stay in Neonatal and Pediatric Heart Surgery- Oral Presentation- The 8th International Congress of Update in Cardiology and Cardiovascular Surgery- Antalya-Turkey
- 12-June,2011 :** The outcome of Surgical Repair in Congenital Mitral Valve Disease- Poster Presentation- 3rd Scientific Meeting of the World Society for Pediatric and Congenital Surgery- Istanbul- Turkey

- 13-May,2011** : Left Pulmonary Artery Stenting and Glenn Shunt, Introducing a Hybrid Procedure- Oral Presentation- The 17th Congress of The Iranian Heart Association- Tehran- Iran
- 14-Feb.2011** : Surgical Considerations in Patients with Pulmonary Hypertension- Oral Presentation- The Pulmonary Hypertention Symposium of The Iranian Society of Pediatric Cardiology- Tehran- Iran
- 15-May,2011** : Specific Considerations in the Surgery of Atrioventricular Septal Defect- Oral Presentation- The 4th Symposium of Updates in Cardiology- Shiraz- Iran
- 16-Jan,2011** :Adult Congenital Heart Surgery. Oralpresentation . The first symposium of Adult Congenital Heart Disease.
- 17-April,2010** : Blood and Crystalloid Cardioplegiaon Myocardial Protection in Congenital Heart Disease- Oral Presentation- The 59th European Society for Cardiovascular Surgery in conjunction with 6th Congress of Update in Cardiology and Cardiovascular Surgery- Izmir- Turkey
- 18-May, 2008** : Partial on-pump Atrial Septectomy; A less invasive, more effective modified technique- Oral Presentation- The 18th congress of the world society of Cardio-thoracic Surgeons-Kos Island- Greece
- 19-May, 2008** : Factors influencing vascular complications in intra-aortic ballon pump- Oral Presentation- The 18th congress of the world society of Cardio-thoracic Surgeons- Kos Island- Greece
- 20-May,2007** : Palliative procedures in Transposition of Great Arteries- Oral Presentation- The 31st annual congress of the Iranian Association of Surgeons- Tehran-Iran
- 21-October,2007** :CABG versus Medical Treatment- Oral Presentation- The first Interventional Cardiology Symposium- Tehran-Iran
- 22-November,2007** : Factors influencing success rate of systemic-pulmonary shunts- Oral Presentation-The 5th International Congress of the Iranian Society of Cardiac Surgeons- Tehran-Iran
- 23-August,2006** : VSD closure with pericardial patch enlargement of T.V leaflets. Oral Presentation-The 16th congress of the world society of Cardio- thoracic surgeons- Ottawa- Canada
- 24-August,2006** : Massive Pericardial Effusion presented as Superior Vena Cava Syndrome- Poster Presentation-10th International Congress of Cardiothoracic and Vascular Anesthesia-Prague-Czech Republic

- 25-September,2006** : Surgical Treatment of Thrombotic Mechanical Valve Obstruction in 257 Patients. Oral Presentation-The 5th joint Meeting of EACTS/ESTS- Stockholm-Sweden
- 26-Nov. 2006** : Risk Factors for new onset atrial fibrillation after CABG- Oral Presentation-The 15th congress of Iranian Heart Association- Tehran-Iran
- 27-Nov. 2006** : Thyroid Dysfunction and atrial fibrillation following CABG Surgery- Oral Presentation- The 15th congress of Iranian Heart Association- Tehran-Iran
- 28-Nov. 2005** : Intra-aortic Balloon Pump usage at ShahidRajaei Heart Center- Oral Presentation- The 4th International Congress of the Iranian Society of Cardiac Surgeons-Tehran- Iran
- 29-Nov. 2005** : Neurocognitive complications after off-pump and on-pump CABG- Oral Presentation- The 4th International Congress of the Iranian Society of Cardiac Surgeons-Tehran- Iran
- 30-Nov. 2005** : Thromboendarterectomy in chronic pulmonary thromboemboli.- Poster Presentation- The 4th International Congress of the Iranian Society of Cardiac Surgeons-Tehran- Iran

Research:

- 1- Anomalous Right Coronary Artery from the Pulmonary Artery (ARCAPA) and Aberrant Right Subclavian Artery in a 2-month old Infant with Heart Failure. Mahdavi M., Vahidshahi K., **Baghahi R**, ... *Cardiology in Young* / Vol. 24 / Issue 5 / October 2014, pp 935 - 937
- 2- Effect of Obesity on Mortality and Morbidity After Coronary Artery Bypass Grafting Surgery in Iranian Patients.M. Ardeshiri, Z Faritus, **Baghaei R**. *Anesth Pain Med*. 2014 May; 4(2): e18884
- 3- Cardiac Malformations in Fetuses of Gestational and Pre Gestational Diabetic Mothers. Tabib A.,....., **Baghaei. R**. *Iran J Pediatr*. Dec. 2013- Vol.23; pp:664-668
- 4- Left Pulmonary Artery Stenting with Glenn Shunt: Introducing a Hybrid Procedure. *The Journal of Tehran University Heart Center*, Vol. 8, No. 1(2013); pp: 58-60

- 5- Redo tricuspid valve replacement, technical consideration, valve in valve insertion. Omrani Gh. **Baghaei R.**... Iranian journal of Cardiac Surgery. Vol. 4- No.2 & 3- pages; 32-33
- 6- A case of atrioventricular septal defect with septal cystic mass. **Baghaei R.** et al. Iranian Journal of Cardiac Surgery. Vol. 4- No.2 & 3- pages; 34-36
- 7- Aortic Surgery in a Patient with Marfan Syndrome and Pectus Excavatum, **Baghaei R.**¹. M.D, Noohi F*. M.D, Tootoonchi Z². M.D, Mohebbi B³. M.D, Iranian Heart Journal, Vol.13- No.1, Spring **2012** ; pp: 55-58
- 8- Association between vitamin D level and Ischemic Heart Disease, Sami Samiee ¹, Zarnaz Zohravi¹, Nooshin Shirzad M.D, ..., **Baghaei R.** M.D. Iranian Heart Journal, Vol.13- No.1, Spring **2012** ; pp: 40-45
- 9- Cardiac Hemangioma: A Benign Tumor with Different Morphological Appearances- Mozaffari K M.D, **Baghaei R.** M.D, ... Iranian Journal of Cardiac Surgery; **2011** - Vol.3- No.3: 27-29
- 10- **2011** : Academic Advisor of the thesis entitled: *Complete Atrioventricular Septal Defect; Comparison of One-stage Primary Repair with Two-stage Surgical Strategy*, Tehran University of Medical Sciences
- 11- Complete Atrioventricular Septal Defect; Comparison of One-stage Primary Repair with Two-stage Surgical Strategy- **Baghaei R** M.D, Mousavi M M.D, -Iranian Journal of Cardiac Surgery; **2011** - Vol.3-No.2: 7-12
- 12- Hydatid Cyst of the Left Ventricle, Interventricular Septum, Liver and Lung- Givtaji N M.D, **Baghaei R** M.D, ... - Iranian Journal of Cardiac Surgery; **2011** - Vol.3-No.2: 58-59
- 13- Influence of Posterior Pericardiotomy in early and late Postoperative Pericardial Effusion- Sadeghpour. A. M.D, ..., **Baghaei R** M.D, -Iranian Journal of Cardiac Surgery; **2011** - Vol.3-No.1: 42-44
- 14- A One-year Old Infant with Multiple Cardiac Masses and Congenital Heart Disease, A Case Report- Mozaffari K. M.D, **Baghaei R.** M.D, Iranian Journal of Cardiac Surgery; **2011** - Vol.3-No.1: 57-58
- 15- A 15- year experience with an old but still challenging operation; Systemic- Pulmonary artery shunt. **R Baghaei MD.** et al. Iranian Heart Journal- **2008** , Volume 9, Number 3: 10-18

- 16-Predictors of Postoperative Atrial Fibrillation after CABG. M Haghjoo, H. Bassiri, **R Baghaei MD**. Indian Pacing and Electrophysiology Journal. **2008** , 8(2): 94-101
- 17-Prosthetic Valve in the pulmonary position, A Late Complication after Total Correction of Tetralogy of Fallot. A Rostami, K. Raissi, **R Baghaei MD**. Iranian Journal of Cardiac Surgery. **2008** , Vol.2, No.2; 19-23
- 18-Fungal Endocarditis in an Infant, A Case Report. **R Baghaei MD.**, et al. Iranian Journal of Cardiac Surgery. **2008** , Vol.2, N0.1; 43-45
- 19-Atrial Septal Defect(ASD), Device or Surgical Closure? A Sadeghpour, **R Baghaei MD**. Iranian Journal of Cardiac Surgery. **2008** , Vol.2, No. 2; 24-27
- 20-Off-pump versus On-pump Coronary Artery Bypass Surgery in ShahidRajaei Heart Center. M Shafiee, B. Baharestani, **R Baghaei MD**. Iranian Journal of Cardiac Surgery. **2008** , Vol.2, No. 1; 21-24
- 21-Comparison of VSD Closure with Single Patch and Flap Valve Patch in...GH Omrani, **R Baghaei MD**. Iranian Journal of Cardiac Surgery.**2008** , Vol.2, No. 1; 25-28
- 22-Device- Induced Perforation of Right Atrium Following Interventional Closure of Atrial Septal Defect. **R Baghaei MD.**, et al. The Journal of Tehran University Heart Center. 2 (**2008**): 113-115
- 23-**2007** :Academic Advisor of the thesis entitled: *The short term outcome of Partial on-pump Atrial Septectomy in Congenital Heart Diseases*, Tehran University of Medical Sciences
- 24-An unusual Right Atrial Mass in a 2-month old Infant. **R Baghaei MD.**, M.Y. AarabiMaghaddam, M Shahidi. Cardiology in the Young ;**2007** : 17(6): 673-4
- 25-Acute SVC Syndrome during drainage of Pericardial Effusion. **R Baghaei MD.**, M Alavi, M. Haddadzadeh. Iranian Heart Journal; **2007** :8, pp: 52-56
- 26-**2006** : Academic Advisor of the thesis entitled: *Evaluation of the results of VSD Closure with and without Tricuspid Valve Repair*, Tehran University of Medical Sciences.

27-**2006** : Academic Co-advisor of the thesis entitled: *The evaluation of Protective Effect of Terminal Warm Cardioplegia in Coronary Bypass Surgery*, Tehran University of Medical Sciences

28- Repair of Interrupted Aortic Arch type B by Left Thoracotomy. GH Omrani, **R Baghaei MD., B Baharestani**. Iranian Heart Journal; **2006** : 7; 56-9

29- Surgical Repair of a Pseudoaneurysm of the Ascending Aorta. A Sadeghpour, **R Baghaei MD**. Iranian Heart Journal; **2006** :7; 57-9

(Publications in Farsi):

1. The results of systemic- pulmonary shunt operation during 8 years. Subspeciality thesis .2001
2. Peritonitis due to perforated peptic ulcer- Speciality thesis.1996
3. Evaluation of the causes of extrahepatic biliary obstruction- General Medicine Thesis. 1992

Languages:

- Farsi (Maternal language)
- English & French (foreign languages)