

## ***Personal Profile:***



**Name:** Farshad

**Surname:** Shakerian Ghahferokhi

**Date and place of birth:** 1972, Hamedan, Iran

**Residence place:** Tehran, Iran

**Nationality:** Iranian

**Marital status:** Married

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**Summary:** *This is the CV of Farshad Shakerian M.D,  
Professor of Interventional Cardiology & Faculty member of  
the Largest Fellowship Training Center in Tehran-Iran.*

- Working as assistant professor of cardiology (mandatory official duty), September 2005-2006, Zahedan University of Medical Sciences, Zahedan, Iran.
- General cardiology (board certified), September 2001- September 2005, Shaheed Rajaii Cardiovascular Medical center, Iran University of Medical Sciences.
- Working as G.P (mandatory official duty), 1999-2001.
- General medical school training, January 1992-1999, Tehran University of Medical Sciences.

**Career titles :**

Chief of Emergency Department Feb., 2011- Jan 2013

Secretary General of the first to 4<sup>th</sup> annual interventional symposium of Shahid Rajaii hospital

**Education:**

- Now: Interventional cardiologist, Assistant professor of cardiology, Shaheed Rajaie Cardiovascular Medical and Research Center (the greatest in Iran, training 10 fellows annually), Iran University of Medical Sciences, Tehran, Iran.
- Endovascular training course at the Department of Angiology Park-Krankenhaus Leipzig March 2010 (one month).
- Fellowship course on interventional cardiology, September 2006 to March 2007, Shaheed Rajaii Cardiovascular Medical Center, Iran University of Medical Sciences, Tehran, Iran.

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## ***Research Assignment :***

1. Diagnostic accuracy of two-dimensional coronary angiographic-derived fractional flow reserve—Preliminary results. Babakhani, H, Sadeghipour, P, Tashakori Beheshti, A, Ghasemi, M, Moosavi, J, Sadeghian, M, Salesi, M, Zahedmehr, A, Shafe, O, Shakerian, F, Mohebbi, B, Alemzadeh-Ansari, M.J, Firouzi, A, Geraiely, B, Abdi, S. *Catheterization and Cardiovascular Interventions*. 27 July 2020
2. Left ventricular end-diastolic pressure-guided hydration for the prevention of contrast-induced acute kidney injury in patients with stable ischemic heart disease: the LAKESIDE trial. Marashizadeh, A, Sanati, H.R, Sadeghipour, P, Peighambari, M.M, Moosavi, J, Shafe, O, Firouzi, A, Zahedmehr, A, Maadani, M, Shakerian, F, Kiani, R, Mohebbi, B, Alemzadeh-Ansari, M.J, Tahvili, R, Naghavi, B. *International Urology and Nephrology*. Volume 51, Issue 10, 1 October 2019, Pages 1815-1822
3. Comparisons of myocardial deformation between cases with normal coronary arteries and patients with coronary slow flow. Alizadehasl, A, Jamshir, M, Sanati, H.R., Sadeghipour, A, Aminnejad, R, Mehr, A.Z, Kiani, R, Shakerian, F, Safari, S, Firouzi, A, Khansari, N, Nasiri, M. *Iranian Heart Journal*. Volume 20, Issue 3, 2019, Pages 84-90
4. Effects of doxycycline on left ventricular remodeling in patients with acute anterior myocardial infarction undergoing primary angioplasty: A randomized clinical trial. Sanati, H.R, Nakhaei, A, Alizadehas, A, Mehr, A.Z., Kiani, R, Shakerian, F, Pouraliakbar, H, Firouzi, A, Kargar, F, Moradian, M, Peighambari, M.M, Kyavar, M, Parsaie, M. *Iranian Heart Journal*. Volume 20, Issue 4, 2019, Pages 22-30
5. Heparin initiation before and after femoral arterial access in primary percutaneous coronary intervention: Side effects and angiographic success rates. Mehr, A.Z, Sanati, H.R, Shakerian, F, Firouzi, A, Kiani, R, Zamani, M.A. *Iranian Heart Journal*. Volume 19, Issue 4, 2018, Pages 18-25
6. Relationship between the pulmonary artery pressure and the occurrence of atrial fibrillation after coronary artery bypass graft surgery. Beikmohammadi, S, Sanati, H.R, Peighambari, M.M, Ansari-Ramandi, M.M, Azimi, M, Zahedmehr, A, Firouzi,

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7. Intracoronary versus Intravenous eptifibatide during percutaneous coronary intervention for acute ST-segment elevation myocardial infarction; a randomized controlled trial. Sanati, H.R., Zahedmehr, A., Firouzi, A, Farrashi, M., Amin, K., Peighambari, M.M., Shakerian, F., Kiani, R. Cardiovascular Intervention and Therapeutics. Volume 32, Issue 4, 1 October 2017, Pages 351-357
8. Mitral valve resistance determines hemodynamic consequences of severe rheumatic mitral stenosis and immediate outcomes of percutaneous valvuloplasty. Sanati, H, Zolfaghari, R, Samiei, N, Rezaei, Y, Chitsazan, M, Zahedmehr, A, Shakerian, F, Kiani, R, Firouzi, A, Rezaei Tabrizi, R. Echocardiography. Volume 34, Issue 2, 1 February 2017, Pages 162-168
9. Early and midterm prognoses of mechanical complications following acute myocardial infarction: Role of surgical repair in improving survival. Shakerian, F, Sanati, H.-R, Hoseinzadeh, H, Firouzi, A, Zahedmehr, A, Kiani, R, Doaee, M, Nikpajouh, A. Iranian Heart Journal. Volume 18, Issue 4, 2017, Pages 21-28
10. Elevated serum level of cardiac troponin after coronary intervention and its association with the clinical outcome of patients. Shakerian, F, Sanati, H.-R, Sam-Nazari, E, Firouzi, A, Zahedmehr, A, Kiani, R, Doaee, M, Nikpajouh, A. Iranian Heart Journal. Volume 18, Issue 3, 2017, Pages 13-20
11. Cardiovascular magnetic resonance in predicting the reduction in pulmonary artery pressure in patients with mitral stenosis after surgical or interventional treatment. Sanati, H., Tabrizi, R.R, Pouraliakbar, H.R., Zahedmehr, A, Firouzi, A, Shakerian, F, Kiani, R, Naderi, N. Iranian Heart Journal. Volume 18, Issue 1, 2017, Pages 30-36
12. Periarterial injections of nitroglycerin facilitate radial artery cannulation. Kiani, R, Alemzadeh-Ansari, M.J, Sanati, H.R., Hashemi, R, Firouzi, A, Shakerian, F,

Zahedmehr, A, Peighambari, M.M, Abdolrahimi, S.A. Iranian Heart Journal.  
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13. Comparison of the prevalence of postprocedural myocardial infarction between diabetic and nondiabetic patients in a non-emergent setting. Shakerian, F.a, Sadr-Ameli, M.A.a, Mousavi, M.A, Sanati, H.-R, Firouzi, A, Zahedmehr, A, Kiani, R, Doaee, M, Nikpajouh, A. Iranian Heart Journal. Volume 18, Issue 2, 2017, Pages 36-42
14. Comparison of the coronary vessel diameter during and after primary percutaneous intervention in patients with acute myocardial infarction. Shakerian, F, Rezai, R, Shiokhi, F, Firouzi, A, Sanati, H, Zahedmehr, A, Kiani, R, Shafe, O, Ahmadi, S. Iranian Heart Journal Volume 18, Issue 1, 2017, Pages 25-29
15. The predictors of no-reflow phenomenon after primary angioplasty for acute myocardial infarction. Aeinfar, K, Firouzi, A, Shahsavari, H, Sanati, H, Kiani, R, Shakerian, F, Mehr, A.Z. International Cardiovascular Research Journal. Volume 10, Issue 3, September 2016, Pages 107-112
16. The usefulness of cardiopulmonary exercise testing in assessment of patients with suspected coronary artery disease. Mazaheri, R., Shakerian, F, Vasheghani-Farahani, A, Halabchi, F, Mirshahi, M, Mansournia, M.A. Postgraduate Medical Journal Volume 92, Issue 1088, June 2016, Pages 328-332
17. Evaluation of cardiac biomarkers after percutaneous balloon mitral commissurotomy. Sanati, H.R., Alemzadeh-Ansari, M.J., Zahedmehr, A., Azarshab, A., Firouzi, A., Shakerian, F., Kiani, R. Iranian Heart Journal. Volume 17, Issue 1, 2016, Pages 64-70
18. Prediction of the culprit artery in patients with STEMI undergoing primary angioplasty at Rajaie hospital. Shakerian, F., Khanlarzadeh, V., Sanati, H.R. Email Author, Firouzi, A., Zahedmehr, A., Kiani, R., Delgarm, N.T., Saedi, T. Iranian Heart Journal. Volume 17, Issue 1, 2016, Pages 6-13.

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19. Ten years of experience in a tertiary center in pulmonary valvuloplasty in pediatric and adult populations. Firouzi, A., Ahmadzadeh, S., Bayanati, M., Sadeghipour, P., Kiani, R., Sanati, H.R., Salehi, N., Shakerian, F., Zahedmehr, A., Shokrian, L. Iranian Heart Journal Volume 17, Issue 2, 2016, Pages 30-37
20. In-hospital and six-month outcomes of elderly patients undergoing primary percutaneous coronary intervention for acute ST-elevation myocardial infarction. Noohi, F., Hashemi, I., Sanati, H.R., Peighambari, M.M, Kiavar, M, Maadani, M, Bassiri, H.A, Zahedmehr, A, Shakerian, F, Firouzi, A, Kiani, R, Abdi, S.
21. Intravenous magnesium sulfate: new method in prevention of contrast-induced nephropathy in primary percutaneous coronary intervention. Firouzi, A, Maadani, M, Kiani, R., Shakerian, F, Sanati, H.R, Zahedmehr, A, Nabavi, S, Heidarali, M. International Urology and Nephrology. Volume 47, Issue 3, 26 February 2015, Pages 521-525
22. Correlation between angiographic findings and pain and its palliative factors in patients with chest pain referring to Rajaie Cardiovascular, Medical and Research Center. Delgarm, N.T., Shakerian, F., Azarnik, H. Email Author, Khanlarzade, V., Mahdinegad, M. Iranian Heart Journal. Volume 16, Issue 4, 2015, Pages 47-56
23. Craniofacial pain as the sole sign of prodromal angina and acute coronary syndrome: A review and report of a rare case. Fazlyab, M., Esnaashari, E, Saleh, M, Shakerian, F, Moayed, D.A, Asgary, S. Iranian Endodontic Journal. Volume 10, Issue 4, Fall 2015, Pages 274-280
24. Diagnostic value of plasma D-dimer level assay for detection of left atrial appendage thrombus formation in mitral stenosis. Firouzi, A., Kiani, R. Email Author, Shakerian, F, Sanati, H.R., Zahedmehr, A., Zohrian, F. Experimental and Clinical Cardiology. Volume 20, Issue 7, 2014, Pages 1808-1817

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25. Difficult management of coronary artery disease in a patient with thrombotic thrombocytopenic purpura. Jorfi, F., Sanati, H.R., Zahedmehr, A., Shakerian, F., Zahedi, L., Firouzi, A, Kiani, R., Elmi, G. Journal of Tehran University Heart Center. Volume 9, Issue 3, 2014, Pages 140-142
26. Immediate and late results of repeat percutaneous mitral balloon valvuloplasty for mitral restenosis following previous percutaneous mitral balloon commissurotomy. Firoozi, A, Madani, M, Heidarali, M, Kiani, R, Sanati, H, Shakerian, F, Zahedmehr, A, Moohebbati, M, Bakhshandeh, H., Zahedi, L. Iranian Heart Journal. Volume 15, Issue 3, 2014, Pages 19-31
27. Association of polymorphisms at LDLR locus with coronary artery disease independently from lipid profile. Jamaldini, S.H. Email Author, Babanejad, M.a, Mozaffari, R.b,c, Nikzat, N, Jalalvand, K, Badiei, A, Sanati, H, Shakerian, F, Afshari, M, Kahrizi, K, Najmabadi, H. Acta Medica Iranica. Volume 52, Issue 5, 2014, Pages 352-359
28. Elective percutaneous coronary intervention: The relationship between preprocedural blood glucose levels and periprocedural myocardial injury. Madani, M, Alizadeh, K, Ghazaei, S.P, Zavarehee, A, Abdi, S, Shakerian, F, Salehi, N, Firouzi, A. Texas Heart Institute Journal. Volume 40, Issue 4, 2013, Pages 410-417
29. Risk factors of reperfusion failure following primary angioplasty for ST-segment elevation myocardial infarction (STEMI). Sanati, H.R, Parsa Mahjoob, M., Zahedmehr, A, Shakerian, F, Firoozi, A, Kiani, R.a, Sadeghi, Z, Diz, A.A, Abkenar, H.B. Journal of Tehran University Heart Center. Volume 8, Issue 3, 2013, Pages 146-151
30. Blood glucose on admission and prognosis in nondiabetic acute coronary patients treated with percutaneous interventions. Sanati, H.R, Farhangi, F, Kiani, R, Zahedmehr, A, Ardeshiri, M, Firouzi, A, Shakerian, F. Iranian Heart Journal. Volume 14, Issue 2, 2013, Pages 43-49

31. Impella 2.5 in a patient with left main coronary artery occlusion. Sanati, H.R, Amin, A., Shakerian, F, Abdi, S, Hosseini, S, Potapov, E.V. Journal of Cardiology Cases. Volume 7, Issue 5, May 2013, Pages e142-e144
32. Intracoronary adenosine to prevent myonecrosis in patients with stable angina undergoing percutaneous interventions: A double-blinded randomized controlled trial. Sanati, H.R., Ghanavati, R., Zahedmehr, A., Shakerian, F, Bakhshandeh, H., Firouzi, A., Kiani, R. Journal of Tehran University Heart Center Open Access Volume 8, Issue 1, 2013, Pages 28-34
33. Effect of garlic powder tablet on carotid intima-media thickness in patients with coronary artery disease: A preliminary randomized controlled trial. Mahdavi-Roshan, M.a, Zahedmehr, A, Mohammad-Zadeh, A, Sanati, H.-R, Shakerian, F, Firouzi, A, Kiani, R, Nasrollahzadeh, J. Nutrition and Health. Volume 22, Issue 2, April 2013, Pages 143-155
34. Relationship between chest pain quality and electrocardiography changes and coronary angiographic findings in patients undergoing coronary angiography. Shakerian, F, Ramezani, M, Sanati, H.R., Firouzi, A, Zaedmehr, A, Kiani, R, Aghababaie, M, Ghazaei, S.P. Iranian Heart Journal. Volume 14, Issue 2, 2013, Pages 6-12
35. Comparison of prevalence of metabolic syndrome between idiopathic and secondary deep vein thrombosis. Firouzi, A., Shahab Tohidnia, M., Shakerian, F., Sanaati, H., Hashem, A., Vagheei Tabar, R. Iranian Heart Journal. Volume 13, Issue 1, 2012, Pages 24-28
36. Safety and effectiveness of long paclitaxel-eluting stents in patients with de novo coronary disease in Shaheed Rajaee cardiovascular medical and research center. Salehi, N., Firouzi, A., Shakerian, F., Sanati, H.R., Nasiri Ahmadabadi, M., Hanifi, Z., Vakili-Zarch, A. Iranian Heart Journal. Volume 13, Issue 1, 2012, Pages 6-10



37. Percutaneous device closure for secundum-type atrial septal defect: Short and intermediate-term results. Abdi, S., Kiani, R. Email Author, Momtahn, M., Basiri, H., Maadani, M., Abdolrahimi, S., Firozi, I., Sanati, H., Shakerian, F., Firoozi, A., Salehi, N., Zahedmehr, A. Archives of Iranian Medicine. Volume 15, Issue 11, November 2012, Pages 693-695.
38. Efficacy of pentoxifylline in prevention of contrast-induced nephropathy in angioplasty patients. Firouzi, A, Eshraghi, A, Shakerian, F, Sanati, H.R, Salehi, N., Zahedmehr, A, Kiani, R, Maani, M, Pedarzadeh, A. International Urology and Nephrology. Volume 44, Issue 4, August 2012, Pages 1145-1149
39. Percutaneous mitral valvuloplasty using echocardiographic intercommissural diameter as reference for balloon sizing: A randomized controlled trial. Sanati, H.R.a, Zahedmehr, A.a, Shakerian, F, Bakhshandeh, H, Firoozi, A, Kiani, R, Sadeghpour, A, Asgharnedjad, E, Mikaelpour, A, Nabati, M. Clinical Cardiology. Volume 35, Issue 12, 2012, Pages 749-754
40. Comparison of the clinical and morphologic characteristics of culprit lesions in unstable angina and non-ST-elevation myocardial infarction. Kiani, R., Sanati, H.R, Abdi, S., Shakerian, F., Firoozi, A., Zahedmehr, A. Heart Asia. Volume 4, Issue 1, 2012, Pages 32-36
41. Plasma homocysteine level and its genotypes as a risk factor for coronary artery disease in patients undergoing coronary angiography. Naghshtabrizi, B, Shakerian, F, Hajilooi, M, Emami, F. Journal of Cardiovascular Disease Research. Volume 3, Issue 4, October-December 2012, Pages 276-279
42. Immediate results of percutaneous trans-luminal mitral commissurotomy in pregnant women with severe mitral stenosis. Abdi, S, Salehi, N., Ghodsi, B, Basiri, H.A, Momtahn, M.g, Firouzi, A, Sanati, H.R, Shakerian, F, Maadani, M, Bakhshandeh, H, Chamanian, S.e, Chitsazan, M, Vakili-Zarch, A. Clinical Medicine Insights: Cardiology. Volume 6, 2012, Pages 35-39

43. Genotypes as a risk factor for coronary artery disease in patients undergoing coronary angiography. Naghshtabrizi, B, Shakerian F., Emami, F., Sanati, H.R. Iranian Heart Journal. Volume 12, Issue 1, 2011, Pages 17-21
44. A comparison of outcomes of routine early angiography versus delayed ischemia-guided angiography after thrombolytic therapy in ST segment-elevation myocardial infarction. Basiri, H.A., Kiani, R., Abdi, S., Zahedmehr, A., Sanati, H.R., Shakerian, F., Firoozi, A. Iranian Cardiovascular Research Journal. Volume 5, Issue 2, 15 June 2011, Pages 56-60
45. Relationship between distribution of coronary artery lesions and renal artery stenosis in patients undergoing simultaneous coronary and renal angiography. Salehi, N, Firouzi, A.a, Gholoobi, A, Shakerian, F., Sanati, H.-R, Ahmadabadi, M.N, Moradi, M. Clinical Medicine Insights: Cardiology Open Access. Volume 5, 2011, Pages 35-40
46. Percutaneous mitral valvuloplasty- A new method for balloon sizing based on maximal commissural diameter to improve procedural results. Sanati, H.R, Kiavar, M, Salehi, N, Shakerian, F, Firoozi, A, Parsa, S.A, Behzadnia, N, Bakhshandeh, H, Peighambari, M.M, Maleki, M. American Heart Hospital Journal. Volume 8, Issue 1, Summer 2010, Pages 29-32
47. Carbapenem resistance in gram-negative bacilli isolates in an Iranian 1000-bed tertiary hospital. Rahbar, M, Kabeh-Monnavar, M, Vatan, K.K, Fadaei-haqi, A, Shakerian, F. Pakistan Journal of Medical Sciences. Volume 24, Issue 4, July 2008, Pages 537-540.

### ***Scientific Events Involved:***

- 1- Discussion lecture in the EuroPCR Congress (Paris, May, 2013). “Difficult Endovascular cases”
- 2- Faculty of the year, TCT Asian Pacific congress, Seoul, South Korea, April 2011-05-23
- 3- Case presentation lecture in the Meet the Experts (MTE) Congress (Lugano, Switzerland, July, 2008). “Better is the enemy of good, a case of RCA dissection”
- 4- Case presentation lecture in the EuroPCR Congress (Barcelona, May, 2008). “Complicated Coarctation stenting”
- 5- Case presentation lecture in the Joint Interventional Meeting (JIM Congress, Rome, February, 2008). “Early Tamponade after ASD closure”
- 6- Case presentation lecture in the EuroPCR Congress (Barcelona, May, 2007). “Arteriovenous Fistula following PCI”
- 7- Poster presentation in the International Avicenna congress, Shiraz, October 2000. “Evaluation of gastro esophageal reflux after H. pylori eradication in patients with peptic ulcer”.
- 8- Secretary General of the first to fourth symposium of interventional cardiology (Tehran, October, 2007-2011).
- 9- Member of Tehran University Cardiovascular Research Center (during my G.P years).

## ***Interests and Activities***

- Chief of the student's mountaineering group, Tehran university of Medical Sciences; 1998-99
- Interested in mountaineering, trekking, outdoor activities, traveling, ecotourism
- Interested in film, member of national Iranian film house.

## ***Honors***

- Youngest interventional cardiologist in Iran at the time of graduation.
- Third position in final national medical exam of Iran (between about 5000 medical students), September 1998.
- Top student during my high school years in Isfahan state.

## ***Professional Membership***

- Associate Fellowship of the American College of Cardiology
- European Society of Cardiology
- Iranian Society of Interventional Cardiology (ISOIC)
- Iranian heart association
- Iranian medical council