

Curriculum Vitae

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EDUCATION

12/2012-06/2014: Fellowship in Heart Failure & Transplantation, Department of Heart failure and Transplantation, Rajaee Cardiovascular, Medical & Research, Tehran, Iran

09/2006-09/2010: Resident in General Cardiology, Shaheed Chamran Cardiovascular, Medical & Research Center, Isfahan, Iran

03/2002-09/2003: Internship, Isfahan University of Medical Sciences, Alzahra Hospital, Isfahan, Iran

09/1996-02/2002: Diploma of Medicine (MD), Isfahan University of Medical Sciences, Isfahan, Iran

TRAINING

12/2012-06/2014: Fellowship in Heart Failure & Transplantation, Department of Heart failure and Transplantation, Rajaee Cardiovascular, Medical & Research, Tehran, Iran

10/2010-09/2012: General Cardiologist, Heshmatie Hospital, Naein, Iran

09/2006-09/2010: Resident in General Cardiology, Shaheed Chamran Cardiovascular, Medical & Research Center, Isfahan, Iran

03/2002-09/2003: Internship, Isfahan University of Medical Sciences, Alzahra Hospital, Isfahan, Iran

Research and Publications

1-Davood Shafie, Masoumeh Sadeghi, Mohammad Hashemi, Maryam Heydarpour, Mohammad Tallaei, Esmail Aghababaei, Nizal Sarrafzadegan. Evaluation of Heart Rate Recovery and Exercise Capacity in Individuals with and without Metabolic Syndrome. Journal of Isfahan Medical School. Vol 28, No 115, third week, January 2011

2-Maryam Heydarpour, Hamid Tavakoli, Davood Shafie: Correlation between the Level of the Tumor Markers with the Stage of Liver Fibrosis in Patients with Chronic Hepatitis and Cirrhosis. Journal of Isfahan Medical School Original Article: Vol 29, No 155, November 2011.1381-90

3-Mojgan Gharipour, Nizal Sarrafzadegan, Masoumeh Sadeghi, Elham Andalib, Mohammad Talaie, Davood Shafie, Esmail Aghababaei. Predictors of Metabolic Syndrome in the Iranian Population: Waist

Circumference, Body Mass Index, or Waist to Hip Ratio. *Cholesterol*:Volume 2013 (2013), Article ID 198384

4- Shafie D, Dohaie A, Amin A, Taghavi S, Naderi N: Pulmonary Vascular Capacitance as a Predictor of Vasoreactivity in Idiopathic Pulmonary Arterial Hypertension Tested by Adenosine. *Res Cardiovasc Med*. 2015 November; 4(4): e28945. DOI: 10.5812/cardiovascmed.28945

5- Masoumeh Sadeghi, Alireza Khosravi, Amir Hossein Azhari, Mohammad Reza Samienasab, Davood Shafie, Mohammad Saadatnia, Hamidreza Roohafza, Navid Paydari, Azam Soleimani, Mohsen Hosseinzadeh, Seyed Abdullah Ahmadi, Leila Dehghani, Jamshid Najafian, Elham Andalib, Javad Shahabi, Mohammad Reza Sabri. Persian registry of cardiovascular disease (PROVE): design and methodology. *ARYA atherosclerosis*. 2017;13(5); 236

6- Masoumeh Sadeghi, Mojgan Gharipour, Pouya Nezafati, Davood Shafie, Esmaeil Aghababaei, Nizal Sarrafzadegan. Assessing metabolic syndrome through increased heart rate during exercise. *Acta Medica Iranica*. 2016;54(11);724-30

7- Nizal Sarrafzadegan, Masoumeh Sadeghi, Mojgan Gharipour, Mohammad Talaie, Davood Shafie, Esmaiel Aghababaei. Left ventricular diastolic function in subjects with metabolic syndrome: Isfahan Cohort Study. *Iran Heart J*. 2013;13(4);63-71

8- Shima Ghayour, Hojatollah Yousefi, Mahin Moeini, Davood Shafie, Amir Shirvani. The Effect Of Need-Based Individual Education On depression And Anxiety In Patients With Coronary Ar-Tery Disease Following Transition from The Cardiac Care Unit (CCU). *Pharmacophore*. 2017;8(6);8

9- Masoumeh Sadeghi, Mojgan Gharipour, Nizal Sarrafzadegan, Pouya Nezafati, Davood Shafie, Esmaiel Aghababaei. PP-041 Assessing Metabolic Syndrome Through Increased Heart Rate during Exercise. *The American Journal of Cardiology*. 2016;117;56

10- Mahshid Givi, Davood Shafie, Fatemeh Nouri, Mohammad Garakyaraghi, Ghasem Yadegarfar, Nizal Sarrafzadegan. Survival rate and predictors of mortality in patients hospitalized with heart failure: a cohort study on the data of Persian registry of cardiovascular disease (PROVE). *Postgraduate medical journal*. 2018;112;94

11- Mahshid Givi, Davood Shafie, Mohammad Garakyaraghi, Ghasem Yadegarfar, Hamid Reza Roohafza, Seyed Abdellah Ahmadi, Fatemeh Nouri, Nizal Sarrafzadegan. Patients characteristics and preliminary outcomes of heart failure registry in a middle-income country: Persian registry of cardiovascular disease/heart failure (PROVE/HF). *Galen Medical Journal*. 2018;7;1026

12- Javad Shahabi, Mohammad Garakyaraghi, Davood Shafie, Arsalan Khaledifar, Arash Hedayat, Mahshid Givi, Ghasem Yadegarfar. The association of anthropometric indices and cardiac function in healthy adults. 2019: 15;1

13- Maryam Heidarpour, Davood Shafie, Ashraf Aminorroaya, Nizal Sarrafzadegan, Ziba Farajzadegan, Rasool Nouri, Arash Najimi, Christina Dimopolou, Gunter Stalla. Effects of somatostatin analog treatment on cardiovascular parameters in patients with acromegaly: A systematic review. *JRMS*. 2019;24;29

- 14- Fatemeh Yazdi Zadeh, Mahin Moeini, Davood Shafie. Evaluation of the effect of adherence to treatment regimen program on quality of life in atrial fibrillation patients hospitalized in Shahid Chamran Hospital in Isfahan in 2017. 2019: 14;3
- 15- Mahshid Givi, Kiyam Heshmat-Ghahdarjani, Mohammad Garakyaraghi, Ghasem Yadegarfar, Mehrbod Vakhshoori, Maryam Heidarpour, Davood Shafie, Nizal Sarrafzadegan. Design and methodology of heart failure registry: Results of the Persian registry of cardiovascular disease. ARYA atherosclerosis. 2019: 15;5
- 16- Chris J Kapelios, Mitja Lainscak, Gianluigi Savarese, et al. Sacubitril/valsartan eligibility and outcomes in the ESC-EORP-HFA Heart Failure Long-Term Registry: bridging between European Medicines Agency/Food and Drug Administration. European journal of heart failure. 2019:21;11
- 17- Mohammadseddigh Hoseinbor, Mehrbod Vakhshoori, Anahita Babak, Mahshid Givi, Maryam Heidarpour, Farnoosh Nikouei, Davood Shafie, Mohammad Garakyaraghi, Nizal Sarrafzadegan. Frequency of readmission in Iranian heart failure patients within six months after discharge and its association with guideline-directed medical treatment. Drug Invention Today. 2019: 11;11
- 18- Nafise Moein, Mohammad Garakyaraghi, Davood Shafie, Katayoun Rabiei, Sayed Mohsen Hosseini, Tohid Jafari-Koshki, Mojtaba Rahimi, Babak Sadeghian, Mahshid Givi, Nizal Sarrafzadegan. The association between particulate matter 2.5 and hospitalization and mortality rates of heart failure: The CAPACITY study. ARYA atherosclerosis. 2019: 15;6
- 19- Alireza Mohammadi-Dolatabadi, Mehrbod Vakhshoori, Maryam Eghbali-Babadi, Maryam Heidarpour, Davood Shafie, Mohammad Garakyaraghi, Alireza Khosravi. Comparison of multiple blood pressure frequency methods with optimum blood pressure measurement among Iranian individuals. Journal of Research in Medical Sciences. 2020:25
- 20- Shahram Rashidi, Davood Shafie, Mohammad Mazaheri, Sima Babaei. Effect of Matricaria Recutita Drops on Sleep Quality in Patients with Chronic Heart Disease: A Randomized Controlled Trial. Archives of Pharmacy Practice. 2020: 1;162
- 21- Farshad Roghani-Dehkordi, Hossein Hosseinzadeh, Mohammad Kermani-Alghoraishi, Alireza Khosravi, Mehrbod Vakhshoori, Masoumeh Sadeghi, Manizheh Danesh, Nahid Sadeghi, Davood Shafie. The translumbar approach in the patients with ipsilateral radial artery occlusion. ARYA atherosclerosis. 2020:16; 1
- 22- Ashkan Yadollahi Farsani, Mehrbod Vakhshoori, Asieh Mansouri, Maryam Heidarpour, Farnoosh Nikouei, Mohammad Garakyaraghi, Nizal Sarrafzadegan, Davood Shafie. Relation between hemoconcentration status and readmission plus mortality rate among Iranian individuals with decompensated heart failure. International Journal of Preventive Medicine.2020: 11
- 23- Alireza Mohammadi Dolatabadi, Mehrbod Vakhshoori, Maryam Eghbali Babadi, Maryam Heidarpour, Davood Shafie, Mohammad Garakyaraghi, Alireza Khosravi. Comparison of multiple blood pressure frequency methods with optimum blood pressure measurement among Iranian individuals. Journal of Research in Medical Sciences. 2020; 25;40
- 24- Kimiya Seify, Mehrbod Vakhshoori, Maryam Eghbali-Babadi, Maryam Heidarpour, Alireza Khosravi, Awat Feizi, Nizal Sarrafzadegan, Davood Shafie. Antihypertensive drug adherence and its association with blood pressure control status. Current Medicine Research and Practice. 2020:12;2
- 25- Maryam Heidarpour, Mohammad Ali Haghghatpanah, Hasan Rezvanian, Motahare Yadegarfar, Amir Mohammad Mozafari, Mehrbod Vakhshoori, Davood Shafie. Polyserositis: An Extremely Rare Life-Threatening Manifestation of Pheochromocytoma. Case Reports in Endocrinology. 2020:7

- 26- Chris J Kapelios, Cécile Laroche, Maria G Crespo-Leiro, et al. Association between loop diuretic dose changes and outcomes in chronic heart failure: observations from the ESC-EORP Heart Failure Long-Term Registry. *European journal of heart failure*. 2020: 22;8
- 27- Patrick Rossignol, Mitja Lainscak, Maria G Crespo-Leiro, et al. Unravelling the interplay between hyperkalemia, renin–angiotensin–aldosterone inhibitor use and clinical outcomes. Data from 9222 chronic heart failure patients of the ESC-HFA. *European journal of heart failure*. 2020:22;8
- 28- Mahmood Emami, Davood Shafie, Mehrbod Vakhshoori, Maryam Eghbali-Babadi, Elham Ahmadipour, Alireza Khosravi. Evaluation of the Efficiency of Indirect Blood Pressure Measurement Methods in Comparison to Intra-Arterial Reading among Iranian Individuals. *International Cardiovascular Research Journal*. 2020: 14;3
- 29- Kiyam Heshmat-Ghahdarjani, Shahrzad Jangjoo, Afshin Amirpoor, Jamshid Najafian, Alireza Khosravi, Maryam Heidarpour, Mostafa Hekmat, Davood Shafie. Endothelial dysfunction in patients with lone atrial fibrillation. *ARYA Atherosclerosis*. 2020:16;5
- 30- Farshad Roghani-Dehkordi, Alireza Riazi, Davood Sahfie, Mohammad Kermani-Alghoraishi, Alireza Khosravi, Masoumeh Sadeghi, Mehrbod Vakhshoori. Trans-snuff box approach as a new access site for coronary angiography and angioplasty versus trans-radial approach in terms of feasibility, safety, and complications. *ARYA Atherosclerosis*. 2020:16;6
- 31- Roohallah Alizadehsani, Abbas Khosravi, Mohamad Roshanzamir, Moloud Abdar, Nizal Sarrafzadegan, Davood Shafie, Fahime Khozeimeh, Afshin Shoeibi, Saeid Nahavandi, Maryam Panahiazar, Andrew Bishara, Ramin E Beygui, Rishi Puri, Samir Kapadia, Ru-San Tan, U Rajendra Acharya. Coronary Artery Disease Detection Using Artificial Intelligence Techniques: A Survey of Trends, Geographical Differences, and Diagnostic Features 1991-2020. *Computers in Biology and Medicine*. 2020:10
- 32- Mehrbod Vakhshoori, Maryam Heidarpour, Davood Shafie, Marzieh Taheri, Nima Rezaei, Nizal Sarrafzadegan. Acute Cardiac Injury in COVID-19: A Systematic Review and Meta-analysis. *Archives of Iranian medicine*. 2020:23;11
- 33- Maryam Heidarpour, Mehrbod Vakhshoori, Saeed Abbasi, Davood Shafie, Nima Rezaei. Adrenal insufficiency in coronavirus disease 2019: a case report. *Journal of Medical Case Reports*. 2020:14;1
- 34- Mehrbod Vakhshoori, Sayed Ali Emami, Maryam Heidarpour, Davood Shafie, Mojgan Mortazavi. Corona Virus Disease 2019 (COVID-19) and Its Effect on Renal System, A Systematic Review and Meta-analysis. *Iranian journal of kidney diseases*. 2020:14;6
- 35- Alieh Gholaminejad, Nasrin Zare, Nasim Dana, Davood Shafie, Arya Mani, Shaghayegh Haghjooy Javanmard. A meta-analysis of microRNA expression profiling studies in heart failure. *Heart Failure Reviews*. 2021: 1
- 36- Maryam Heidarpour, Nafiseh Sereshti, Davood Shafie, Bijan Iraj, Hassan Rezvanian. Cardiogenic Shock and Guillain–Barré Syndrome as the First Manifestations of Pheochromocytoma. *Case Reports in Endocrinology*. 2021:6
- 37- Shervin Ghaffari Hoseini, Kiyam Heshmat-Ghahdarjani, Saeid Khosrawi, Mohammad Garakyaraghi, Davood Shafie, Hamidreza Roohafza, Marjan Mansourian, Elham Azizi, Yousof Gheisari, Masoumeh Sadeghi. Effect of melatonin supplementation on endothelial function in heart failure with reduced ejection fraction: A randomized, double-blinded clinical trial. *Clinical Cardiology*. 2021:6

38- Maryam Heidarpour, Amir Parsa Abhari, Niyousha Sadeghpour, Davood Shafie, Diana Sarokhani. Prediabetes and COVID-19 severity, an underestimated risk factor: A systematic review and meta-analysis. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 2021

39- Farzad Rahimi, Mehrbod Vakhshoori, Maryam Heidarpour, Fatemeh Nouri, Kiyam Heshmat-Ghahdarjani, Mohammad Fakhrolmobarsheri, Davood Shafie. Metolazone Add-On Therapy in Heart Failure: A Cohort Study from Persian Registry of Cardiovascular Disease/Heart Failure (PROVE/HF). *Critical Care Research and Practice*. 2021

40- Maryam Heidarpour, Sepideh Bashiri, Mehrbod Vakhshoori, Kiyam Heshmat-Ghahdarjani, Farbod Khanizadeh, Shaghayegh Ferdowsian, Davood Shafie. The association between platelet-to-lymphocyte ratio with mortality among patients suffering from acute decompensated heart failure. *BMC Cardiovascular Disorders*.2021

Academic and Official appointment

1. Assistant Professor of Cardiology at Shaheed Chamran Cardiovascular, Medical and Research Center. 2014
2. Medical Director of Cardiac Transplantation Team. Shaheed Chamran Cardiovascular, Medical and Research Center. 2014
3. Director of the Heart Failure Clinic. Heart Failure Research Center. Isfahan. 2014
4. Deputy of Heart Failure Research Center. Cardiovascular Research Institute, WHO collaborating Center, Isfahan, Iran. 2014
5. Director of Heart Failure Research Center. Cardiovascular Research Institute, WHO collaborating Center, Isfahan, Iran. 2021

PRESENTATION

- 1-Shafie D. End of life care in advanced heart failure. The 15th National Congress On Cardiovascular Update. The Iran University of Medical Science. Tehran, Iran. Sep 2013
- 2-Shafie D. Heart failure: the need for rehabilitation. The 1st International Congress of Cardiac Rehabilitation. Isfahan, Iran. OCT 2014
- 3-Shafie D. Heart Failure with Preserved Ejection Fraction. The 7th Razavi International Cardiovascular Congress. Mashhad, Iran. AUG 2015
- 4-Shafie D. Inotropes in Heart failure. International Congress of Transplantation and Implantation. Mashhad, Iran. NOV 2015

INVENTION

- 1-Shafie D, Hajibabaei M: Full option ICU mattress with all necessary specifications for bed sore prevention and treatment. Jul 2008
- 2-Shafie D, Hajibabaei M: Mobile cervical traction with simultaneous TENS. May 2007

TEXTBOOK TRANSLATION

1- BRAUNWALD'S HEART DISEASE: A TEXTBOOK OF CARDIOVASCULAR MEDICINE, TENTH EDITION. Rahpuyan Sharif Publishing Institute. 2014

2- BRAUNWALD'S HEART DISEASE: A TEXTBOOK OF CARDIOVASCULAR MEDICINE, NINE EDITION. Rahpuyan Sharif Publishing Institute. 2011

3- BRAUNWALD'S HEART DISEASE: A TEXTBOOK OF CARDIOVASCULAR MEDICINE, EIGHT EDITION. Rahpuyan Sharif Publishing Institute. 2008

4-HARRISON'S PRINCIPLES OF INTERNAL MEDICINE, CARDIOVASCULAR SYSTEM DISEASE.EIGHTEEN EDITION. Boshra Publishing Institute. 2014

5-TEXTBOOK OF FAMILY MEDICINE, CARDIOVASCULAR SYSTEM DISEASE, NINTH EDITION. Artin Teb Publishing Institute,2016

THESIS

1. Shafie D, Sadeghi M: Evaluation of Heart Rate Recovery and Exercise Capacity in Individuals with and without Metabolic Syndrome Thesis (for the degree of general cardiology specialty), Shaheed Rajaei Cardiovascular, Medical & Research Center publications, 2010

2. Shafie D, Jalilian M: Evaluation of Demographic Finding in Patients with Endometrial Adenocarcinoma In Isfahan City. Thesis (for M.D. degree), Isfahan University of Medical Sciences publications, 2003