

Curriculum Vitae

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PERSONAL INFORMATION

Date of Birth: Dec 2, 1976

Nationality: Iranian

Sex: Female

Marital Status: Married

Academic Status: Assistant Professor of Pediatric Cardiology

EDUCATION

2012-2015: Clinical Fellow, Cardiology Unit, Pediatric Department, Isfahan University of Medical Sciences, Isfahan, Iran.

2005-2008: Resident in Pediatrics, Pediatric Department, Isfahan University of Medical Sciences, Isfahan, Iran.

1995-2002: Medical Student, Azad University of Medical Sciences, Najafabad, Isfahan, Iran.

GRANTS AND FELLOWSHIPS

2015: Iranian Board of Pediatric Cardiology.

2008: Iranian Board of Pediatrics.

2002: Medical Degree. Azad University, Najafabad, Isfahan, Iran.

RESEARCH EXPERIENCE

1. Bahar Dehghan, Alireza Ahmadi, Shima Sarfarazi Moghadam, Mohammad Reza Sabri, Mehdi Ghaderian, Chehreh Mahdavi, Mohsen Sedighi, and Hamid Bigdelian. Biventricular strain and strain rate impairment shortly after surgical repair of tetralogy of Fallot in children: A case-control study. *Health Sci Rep.* 2022 May; 5(3): e613.doi: [10.1002/hsr2.613](https://doi.org/10.1002/hsr2.613)

2. Ghaderian M, Almadi AR, Sabri MR, Behdad S, Dehghan B, Mahdavi Ch, Mansourian M, Shahsanei F. Clinical Outcome of Right Ventricular Outflow Tract Stenting Versus Blalock-Taussig Shunt in Tetralogy of Fallot: A systematic Review and Meta-Analysis. *Curr Prob Cardiol* 2021 Mar;46(3):100643
3. Rafiei Tabatabaei, Abdollah Karimi, Hamid Rahimi, Shahnaz Armin, Seyed Alireza Fahimzad, Mansour Ghanaie, Bahar Dehghan, Zahra Pourmoghaddas. Three Probable Pediatrics COVID-19 Cases with awasaki-Like Disease: A Case Series with Fallow up. *Archives of Pediatric Infectious Diseases: Jan 2021, 9 (1)*
4. Dehghan B, Sabri MR, Hosseinzadeh M, Ahmadi AR, Ghaderian M, Sarafzadegan N, Roohafza HR. The Commencement of Congenital Heart Diseases Registry (CHD/PROVE) in Isfahan, Iran. Design and methodology. *ARYA Atheroscler* 2020; 16(5): 244-7.
5. Mehdi Ghaderian, Bahar Dehghan, Mohammad Reza Sabri, Alireza Ahmadi, Ali Sadeghi-Lotfabadi. Evaluation of cardiac function in children after percutaneous closure of atrial septal defect using speckle tracking echocardiography. *ARYA Atheroscler* 2020; Volume 16; Issue 6
6. Hamid Bigdelian, Mohsen Sedighi, Mohammad Reza Sabri, Bahar Dehghan, Zahra Pourmoghaddas, Rana Saleh, Alireza Sherafat, Gholamreza Massoumi, Mohammad Kazem Rezaei, and Masoud Shahbazi. Right Atrial Thrombus in a COVID-19 Child Treated Through Cardiac Surgery. *Front Cardiovasc Med.* 2020; 7: 579522
7. Dehghan B, Sabri MR, Mansourian M. Nonpharmacologic Treatments Alone Are Enough to Prevent the Neurally Mediated Syncope: A 3 Years Follow-up Study. *International Journal of Preventive Medicine*, 2019; 10|Issue: 1: 69
8. Gheissari A, Dehghan B, Ghaed Sharafi B, Abedini A, Merrikhi A, Madihi Y, Mehrkash M. Importance of Mean Platelet Volume in Predicting Cardiac Mechanics Parameters and Carotid-Intima Media Thickness in Children with End-Stage Renal Disease and Comparison with Healthy Children. Ther Apher Dial. 2019 Jan 23.
9. Mehdi Ghaderian, Mohammad Reza Sabri, Ali Reza Ahmadi, Bahar Dehghan, Chehre Mahdavi, Zakie Zahra Ataei. The efficacy and safety of using amplatzer for transcatheter closure of atrial septal defect in small children with less than 10 kg. *ARYA Atheroscler* 2019; 15(1): 27-32
10. Ghaderian M, Sabri MR, Ahmadi AR, Alipour MR, Dehghan B, Mehrpour M. Midterm Follow-up Results of Transcatheter Interatrial Septal Defect Closure. *Heart Views.* 2019 Jan-Mar;20(1)
11. Pourmoghaddas Z, Ansari N, Famori F, Dehghan B, Saneian H. The Association of *Helicobacter pylori* Infection with Endothelial Dysfunction in Pediatric Patients. *Arch Pediatr Infect Dis.* Published online 2018 October 21.
12. Sherkat R; Sabri MR; Dehghan B; Bigdelian H; Reisi N; Afsharmoghadam N; Rahimid H; Rahmanian N; Klein C. EBV lymphoproliferative-associated disease and primary cardiac T-cell lymphoma in a STK4 deficient patient: A case report. *Medicine: Dec 2017 - Volume 96 - Issue 48 - p e8852*
13. Dehghan B, Sabri MR. Comparison of short head-up tilt test with conventional protocol and after omission of nonmedicated phase in children and young adults. *Advanced biomedical Research*, Dec 2016.

14. Dehghan B, Sabri MR, Haghjooy Javanmard, Ahmadi AR, Mansourian M. Neurally Mediated Syncope. "Is it a really endothelial dysfunction?" The Anatolian Journal of Cardiology, Aug 2015.
15. Ahmadi AR, Sabri MR, Dehghan B. An isolated left common carotid artery from the main pulmonary artery in a neonate with aortic valve atresia. Cardiology in the Young, Mar 2015.
16. Ahmadi AR, Sabri MR, Bigdelian H, Dehghan B, Gharipour M. Comparison of cost-effectiveness and postoperative outcome of device closure and open surgery closure techniques for treatment of patient ductus arteriosus.
17. Sabri MR, Dehghan B, Yaghini O, Nasiri J, Khalifesoltani Sh. Endothelial dysfunction state in migraine headache and neurally mediated syncope. Journal of Research in Medical Sciences. Aug 2015

TEACHING EXPERIENCE

- 2010-2012: Assistant Professor of Pediatrics. Pediatric Department, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2015-present: Assistant Professor of Pediatric Cardiology. Pediatric Department, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2017-present: Education Manager of Pediatric Cardiology fellows, Pediatric Department, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2016-Present: Main member of Pediatric Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2016-Present: Manager of Congenital Heart Diseases (CHD) registry program (PROVE), Pediatric Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan university of Medical Sciences, Isfahan, Iran
- Serving on University committee as an assistant professor, Isfahan University of Medical Sciences, Isfahan- Iran to teach pediatric cardiology courses, clinical and theoretical topics, to undergraduate students of medical school, as well as graduate students of pediatric diseases and pediatric cardiology fellows.
- Instructor of Pediatric Advanced Life Support (PALS)

RELEVANT WORK EXPERIENCE

- Subspecialty in Echocardiography, including fetal echocardiography, Transthoracic and transesophageal echocardiography
- Angiocardiography, Head up tilt test, Exercise Test, Electrocardiography and holter monitoring
- Instructor of Pediatric Advanced Life Support (PALS)

UNIVERSITY SERVICE

- 2015-present: Assistant Professor of Pediatric Cardiology. Pediatric Department. Isfahan University of Medical Sciences. Isfahan- Iran.
- 2017-present: Main member of Pediatric Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan university of Medical Sciences, Isfahan, Iran.

PUBLICATIONS

1. Bahar Dehghan, Alireza Ahmadi, Shima Sarfarazi Moghadam, Mohammad Reza Sabri, Mehdi Ghaderian, Chehreh Mahdavi, Mohsen Sedighi, and Hamid Bigdelian. Biventricular strain and

strain rate impairment shortly after surgical repair of tetralogy of Fallot in children: A case-control study. *Health Sci Rep*. 2022 May; 5(3): e613.doi: [10.1002/hsr2.613](https://doi.org/10.1002/hsr2.613)

1. Ghaderian M, Almadi AR, Sabri MR, Behdad S, Dehghan B, Mahdavi Ch, Mansourian M, Shahsanei F. Clinical Outcome of Right Ventricular Outflow Tract Stenting Versus Blalock-Taussig Shunt in Tetralogy of Fallot: A systematic Review and Meta-Analysis. *Curr Prob Cardiol* 2021 Mar;46(3):100643
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8. Mehdi Ghaderian, Mohammad Reza Sabri, Ali Reza Ahmadi, Bahar Dehghan, Chehre Mahdavi, Zakie Zahra Ataei. The efficacy and safety of using amplatzer for transcatheter closure of atrial septal defect in small children with less than 10 kg. *ARYA Atheroscler* 2019; 15(1): 27-32
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13. Dehghan B, Sabri MR, Haghjooy Javanmard, Ahmadi AR, Mansourian M. Neurally Mediated Syncope. "Is it a really endothelial dysfunction?" The Anatolian Journal of Cardiology, Aug 2015.
14. Ahmadi AR, Sabri MR, Dehghan B. An isolated left common carotid artery from the main pulmonary artery in a neonate with aortic valve atresia. Cardiology in the Young, Mar 2015.
15. Ahmadi AR, Sabri MR, Bigdelian H, Dehghan B, Gharipour M. Comparison of cost-effectiveness and postoperative outcome of device closure and open surgery closure techniques for treatment of patient ductus arteriosus.
16. Sabri MR, Dehghan B, Yaghini O, Nasiri J, Khalifesoltani Sh. Endothelial dysfunction state in migraine headache and neurally mediated syncope. Journal of Research in Medical Sciences. Aug 2015

PRESENTATIONS AND POSTER SESSIONS

- 1- Congenital Heart Diseases Registry. 2nd International Conference on Diseases and Health Outcomes Registries. Tehran, Iran, 2018
- 2- Basic life Support (BLS) in Pediatric Advanced Life Support. Isfahan, Iran, 2018
- 3- Congenital Mitral valve abnormalities. Chamran Cardiac Hospital, Isfahan, Iran, 2018
- 4- Chest Pain in Children. A Practical Approach to the Diagnosis of Cardiac Disease. Imam Hossein Hospital, Isfahan, Iran, 2018
- 5- Torsion of the heart. Isfahan, Iran, 2018
- 6- Pulmonary Hypertension. Imam Hossein Hospital, Isfahan, Iran, 2017
- 7- Double Outlet Right Ventricle. Chamran Cardiac Hospital, Isfahan, Iran, 2017
- 8- Congenital Heart Diseases in Pregnancy. Alzahra Hospital, Isfahan, Iran
- 9- CHD and extracardiac anomalies. Chamran Cardiac Hospital, Isfahan, Iran, 2016.
- 10- Fetal Arrhythmia. University of Medical Sciences, Iran, 2017
- 11- Approach to Congenital Heart Disease. University of Medical Sciences, Isfahan, Iran, 2016.
- 12- Exercise Screening in patient with CHD. Chamran Cardiac Hospital, Isfahan, Iran, 2016.
- 13- Pediatric cardiac intensive care "arrhythmias". Chamran Cardiac Hospital, Isfahan, Iran, 2016.
- 14- Nutrition in CHD. University of Medical Sciences, Isfahan, Iran, 2016
- 15- Comparison of short head-up tilt test with conventional protocol and after omission of nonmedicated phase in children and young adults. The 5th Iranian Congress of Pediatric Cardiologists. Tehran, Iran, 2015.
- 16- Management of congenital heart diseases in fetus. Isfahan, Iran, 2015
- 17- Utility of CMR in cardiac diseases. Isfahan, Iran, 2015
- 18- Perioperative consideration for specific lesions & procedures. Isfahan, Iran, 2015
- 19- Primary Cardiac T-cell lymphoma. The 3th Iranian Congress of Pediatric Cardiologists. Tehran, Iran, 2013.

Posters:

- 1- Nonpharmacologic Treatments Alone Are Enough to Prevent the Neurally Mediated Syncope. Tehran, Iran, 2017
- 2- An isolated left common carotid artery from the main pulmonary artery in a neonate with aortic valve atresia. The selected poster in the 5th Iranian Congress of Pediatric Cardiologists. Tehran, Iran, 2015.
- 3- Neurally Mediated Syncope. "Is it a really endothelial dysfunction?" The 5th Iranian Congress of Pediatric Cardiologists. Tehran, Iran, 2015.

RESEARCH INTERESTS

Congenital Heart Disease, Syncope, Heart Failure, Acquired Heart Disease such as Effects of Major Thalassemia and cardiac involvements,....

TEACHING INTERESTS

Congenital Heart Disease, Heart Failure in pediatrics, some common cardiac sign and symptoms in pediatrics and adolescents

PROFESSIONAL MEMBERSHIPS

- Proven ability to work collaboratively with diverse groups and establish ongoing relationships
- Strong leadership, teaching, curriculum development, and writing capabilities.
- Judging manuscripts submitted for publication
- Serving on University committee as an assistant professor, Isfahan University of Medical Sciences, Isfahan- Iran to teach pediatric cardiology courses, clinical and theoretical topics, to undergraduate students of medical school, as well as graduate students of pediatric diseases and pediatric cardiology fellows.

EXTRA CURRICULAR ACTIVITIES

Certifications:

2015: Iranian Board of Pediatric Cardiology.

2008: Iranian Board of Pediatrics.

2002: Medical Degree. Azad University, Najafabad, Isfahan, Iran.

Awards and Honors:

2015: First Rank, OSCE Certification Examination of Iranian Board of Pediatric Cardiology.

Appointments and Positions:

- 2015-present: Assistant Professor of Pediatric Cardiology. Pediatric Department, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2017-present: Education Manager of Pediatric Cardiology fellows, Pediatric Department, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2016-Present: Main member of Pediatric Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan university of Medical Sciences, Isfahan, Iran.
- 2016-Present: Manager of Congenital Heart Diseases (CHD) registry program (PROVE), Pediatric Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan university of Medical Sciences, Isfahan, Iran.

