

RESUME

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Associate Professor of pediatric cardiology

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Educational Background & Degrees

2008 to present: Associate professor of pediatric cardiology / Rajaie Cardiovascular Medical & Research Center, Iran University of Medical Sciences, Tehran, Iran.

2016: Completion A physician Observer ship program in pediatric cardiology, At UCLA Center for World Health LA USA

2016: Professional Observer ship in Fetal and Pediatric Cardiology at UCLA Division of Pediatric Cardiology LA USA

2015: CME BC Children Hospital Vancouver Canada

2014: CME Necker-Enfants Malades Hospital (Hôpital Necker) Paris, France

2008: A course in transesophageal echocardiography (TEE) under supervision of Iranian society of echocardiography

2003-2006: Subspecialty in pediatric cardiology, Rajaie Cardiovascular Medical & Research Center, Iran university of medical sciences, Tehran, Iran.

1997-2003: Assistant professor of pediatrics/Mashhad Azad University, Mashhad, Iran.

1991-94: Residency in pediatrics, Tehran University of Medical Sciences (Children's Medical Center) and Mashhad University of Medical Sciences.

1989: Medical degree, Mashhad University of Medical sciences, Mashhad, Iran.

-2nd best of national board of pediatric cardiology, Iran.2006

-1st best of national examination for pediatric cardiology subspecialty admission, Iran.2003

-1st best of national examination of pediatrics specialty admission, Tehran University of Medical Sciences.1991

Fields of interest

Echocardiography (TTE, TEE, Fetal)

Noninvasive imaging (CT, MRI)

Experiences

September 2020- September 2021: Head of pediatric cardiology department

2011-2013: Director of pediatrics echocardiography lab, Rajaie Cardiovascular Medical and Research Center

Experience in fetal echocardiography (abdominal)

Experience in TEE of congenital heart diseases.

1997-2003: Assistant professor of pediatrics, Mashhad Azad University, director of neonatal CRP based on AHA and American academy of pediatrics program (NRP) in Mashhad Azad University related hospitals.

1995-1997: Director of Neonatal Resuscitation Program (NRP) based on AHA and American academy of pediatrics program (Shirvan, north Khorasan province).

1995-1997: Director of Iranian National program for Promotion of breast feeding based on WHO and UNICEF strategies for breast feeding promotion (Shirvan, north Khorasan province).

*1995-1997 private pediatric clinic in Shirvan

*1997-2003 private pediatric clinic in Mashhad

Publications:

1-**Moradian M**, et al. Intraluminal Ascending Aorta Fibroma –The Journal of Tehran University Heart Center 2011; 6(1):45-47

2- **Moradian M**,et al. One and a Half Ventricular Repair for Uhl's Anomaly with One Year Follow Up. Iranian Cardiovascular Research Journal 2011; 5(1):35-38

3 -Mozaffari K, **Moradian M**, et al A One-Year-old infant with multiple cardiac masses and congenital heart disease.-. Iranian Journal of Cardiac Surgery2011; 3(1):57-58

4- **Moradian M** Diagnostic Errors in Echocardiography: Review of Five Interesting Pediatric Cases. Maryam Moradian The Journal of Tehran University Heart Center 2012; 7(1):33-36

- 5-**Moradian M** et al Aortic Runoff as a Sign of Intracranial Arteriovenous Malformation: Report of Two Cases. Iranian journal of pediatrics 2013;23(2):229-232
- 6-**Moradian M**, et al Prenatal Diagnosis of tuberous sclerosis by Fetal Echocardiography with an Unusual Clinical Course After Birth. Archives of Cardiovascular imaging 2013; 1(2):83-85
- 7-**Moradian M** Interesting Image 1 Arch Cardiovasc Imaging 2013;(1):40-1
- 8-**Moradian M** photo quiz Arch Cardiovasc Imaging. 2014 February;2(1)
- 9- **Moradian M** Fetal circulation (2014) in Sadeghpour Kiavar Alizadeasl (eds) Comprehensive approach to adult CHD
- 10-Alizadeasl A, **Moradian M** Embryology (2014) in Sadeghpour Kiavar Alizadeasl (eds) Comprehensive approach to adult CHD
- 11-**Moradian M** et al Atrial Rhabdomyoma: A Case Report IHJ 2014;15(2):39-42
- 12-**Moradian M** et al ECG in children & adolescents with congenital and acquired heart diseases. first edition 1395 (2016)
- 13-**Moradian M** et al Comparing Ventricular Function in Fetuses of Diabetic and Non-Diabetic Mothers Using Tissue Doppler Imaging . Research in Cardiovascular Medicine 2016;5(4)
- 14-**Moradian M, et al** Echocardiographic Evaluation of Right Ventricular Function after Pulmonary Valve Replacement in Patients with Tetralogy of Fallot Iranian Heart Journal; 2017; 17 (4)
- 15-Sadr-Ameli M A ...**Moradian M** et al A Survey on Mechanical Prosthetic Pulmonary Valve Replacement in Rajaie Cardiovascular, Medical, and Research Center: 7 Years' Experience Iranian Heart Journal; 2017; 17 (4)
- 16- **Moradian M** et al The Importance of Calciuria on Sodium Fractional Excretion Rate. Saudi J Kidney Dis Transpl 2017;28(4):945-946
- 17-Mozaffari K, **Moradian M** et al "Benign Tumor with Perivascular Myoid Differentiation", A Rare Yet Interesting Case Report in a Nine-Month-Old Infant. Multidisciplinary Cardiovascular Annals 2017
- 18-Khorgami M R, **Moradian M**, et al Management of Cardiovascular Disorders in Patients with Noonan Syndrome: A Case Report J TehUniv Heart Ctr 2017;12(4):184-187
- 19-**Moradian M** et al Failure to Thrive and Bone Growth Retardation in Cyanotic and Acyanotic Congenital Heart Diseases With and Without Pulmonary Hypertension IHJ; 2017;18(3)
- 20-Faritous Z,...**Moradian M** et al Factors Related to Prolonged Recovery of Consciousness Following Cardiac Surgery IHJ; 2017;18(4)

- 21- **Moradian M** et al. Echocardiographic RV deformation indices before and after ASD closure: A comparison between device and surgical closure *Research in Cardiovascular* 2018; 7:92-7
- 22-Esmaeili H, Vahidshahi , **Moradian M** Mortezaeian H Change of “Left Atrium Ejection Force” after Transcatheter “Atrial Septal Defect” Closure Using “AMPLATZER,” in Pediatric Patients *Res Cardiovasc Med* 2018;7:187-9
- 23-Mohammadpour A H ...**Moradian M** et al Evaluation of NPP1 as a Novel Biomarker of Coronary Artery Disease: A Pilot Study in Human Beings *Adv Pharm Bull*, 2018, 8(3), 489-493
- 24-Rezapour A, **Moradian M**, et al Could Biglycan be a Biomarker of Coronary Artery Disease? A Pilot Human Study *Res Cardiovasc Med* 2018; 7:144-7.
- 25-Ziyaeifard M ... **Moradian M** et al Imperative Role of Education of ICU Nurses regarding Postoperative Pain Management After Pediatric Cardiac Surgery *IHJ* 2018;19 (2)
- 26-**Moradian M** et al Left Atrial Drainage of the Right Superior Vena Cava: A Case Report. *J The Univ Heart Ctr* 2018;13(2):84-87.
- 27- Ghaffary*,M R Ghaffari s and **Moradian M** The Clinical-Pathological Evaluation of SVC Syndrome in northwest of Iran between 2003-2007 *J Biochem Tech* (2018) Special Issue (2): 131-134
- 28-**Moradian M** et al Assessment of Parents’ Awareness About Their Child’s Congenital Heart Disease *Crescent Journal of Medical and Biological Sciences* Vol. 6, No. 4, October 2019, 540–546
- 30-Sanati H R..**Moradian M** et al Effects of Doxycycline on Left Ventricular Remodeling in Patients with Acute Anterior Myocardial Infarction Undergoing Primary Angioplasty: A Randomized Clinical Trial *IHJ*; 2019;20 (4)
- 30-Ziyaeifard M , Attarzadeh S H, **Moradian M** Anesthetic Management of Jervell and Lange-Nielsen Syndrome With Long QT Undergoing Surgical Sympathectomy: A Pediatric Case Report *IHJ* 2019;20 (4)
- 31-MortezaeianH...**Moradian M** et al Prevalence and Associated Factors of Protein-Losing Enteropathy After Fontan Surgery *IHJ* 2020;21 (2)
- 32-Tabib A **Moradian M** et al Pocket-sized echocardiography for screening structural heart disease: diagnostic accuracy and cost-effectiveness for population-based studies *Cardiology in the Young* 30 (2), 197-204 2020
- 33-Shojaeifard M ... **Moradian M** et al Assessment of normal hemodynamic profile of mechanical pulmonary prosthesis by doppler echocardiography: a prospective cross-sectional study *Cardiovascular Ultrasound* (2020) 18:14
- 34-Shojaeifard M,**Moradian M** Decreased Systolic Left Atrial Strain Measures Correlate With the Valve Area Among Patients with Severe Mitral Stenosis *IHJ* 2020;21 (2)
- 35-**Moradian, M.** et al Primary cardiac tumors in children: An 8-year-experience in a single center *Iranian Journal of Pediatrics* 2020, 30(6), pp. 1-7
- 36- Alizadehasl A... **Moradian M** Complicated AMI in a COVID-19 Patient; Chordal Rupture and Flail of Mitral Valve *Multidiscip Cardio Annal.* 2020 July; 11(2):e106953

- 37-Taghavi, S...**Moradian M** The accuracy of determining pulmonary artery pressure by pr and tr velocities compared with right heart catheterization in patients with right ventricular dysfunction Iranian Heart Journal, 2021 22(3), pp. 81-87
- 38-Mortezaeian, H.. **Moradian M.** Percutaneous balloon pulmonary valvuloplasty of critical pulmonary stenosis and severe pulmonary stenosis in neonates and early infancy: A challenge in the cyanotic Journal of Cardiovascular and Thoracic Research, 2021 13(2), pp.
- 39-Khorgami, M.... **Moradian M.** Epicardial versus endocardial pacemakers in the pediatric population: A comparative inquiry Congenital Heart Disease,2021 16(6), pp. 573-584
- 40- Alizadehasl, A... **Moradian M.** A forgotten diagnosis in right heart failure: A case report and literature review Clinical Case Reports, 2021 9(4), pp. 2040-2047
- 41-Hosseini S, ...**Moradian M.** ... Prevalence of Structural Heart Diseases Detected by Handheld Echocardiographic Device in School-Age Children in Iran: The SHED LIGHT Study Global Heart. 2022; 17(1)
- 42- Ghaffary MR. ..**Moradian M...** The effect of fasting on spirometry indices and respiratory symptoms in asthmatic patients J Cardiovasc Thorac Res, 2022, 14(2), 116-121
- 43- Ghaffari S....**Moradian M** The Predisposing Risk Factors for Non-syndromic Congenital Heart Disease: A Case-Control Study Crescent Journal of Medical and Biological Sciences 9(3)
- 44-Mortezayian H... **Moradian M** , Short and Long-term Consequences/results of Covered Stents in Children for the Management of Complex Coarctation of the Aorta
- 45-Rahimpour, F ...**Moradian M** I. "The first report of the Iranian combination of tetralogy of fallot and hypertrophic cardiomyopathy, A rare case report." J Surg Trauma 10.4 (2022).
- 46-Tabib A....**Moradian M** ...N-terminal pro B-type Natriuretic Peptide Levels and Dilated Cardiomyopathy: A Tissue Doppler Echocardiographic Study in Children IHJ Volume 23, Issue 1 January 2022 Pages 54-64
- 47-Vesal A ... **Moradian M** ... Comparison Between 2D Transthoracic Echocardiography, Transesophageal Echocardiography, and Balloon Sizing Methods for Device Size Selection in Pediatric Patients Undergoing Transcatheter Closure of Atrial Septal Defects Iranian Heart Journal 2022; 23(1): 74-84)
- 48- Ghaemmaghami Z....Moradian M...Puberata; status of children with congenital heart disease Cardiology in the Young 32(4) pp 574-578
- 49-Seilani P ...Moradian M Radiation induced Valvulopathy IHJ 23(1) pp 228-232

- 50-In Farsi language Seraj B ... **Moradian M** ... The effect of telenursing on adherence to treatment in adolescents undergoing cardiac surgery Cardiovascular Nursing Journal, 9(1), 2020

Lectures and abstracts:

- 1-Correlation between mean PA pressure gradient across PA banding measured by Doppler echocardiography and systolic pressure gradient between RV and post banding measured during catheterization. **Moradian M.**15 th congress of Iranian heart Association in collaboration with French society of cardiology. Oct 31-Nov 3 2006

2- Percutaneous pulmonary artery stenting. A novel treatment for pulmonary arteries distortion post Gore-Tex shunt Mortezaiean H. **Moradian M.** et al .16th congress of Iranian heart Association in collaboration with ACC. Nov 18-21 2008

3- Diagnostic Errors in Echocardiography: Review of Interesting Pediatric cases. Middle East Cardiovascular Congress Feb23-25 2011 Kish Island. Iran.

4- A case of Idiopathic like PAH (VSD + PDA), Pulmonary hypertension symposium. Oct 20 2010 Dubai UAE

5- New aspects in endocarditis, symposium of CHD. Iranian Society of pediatrics Sep 2010. Tehran, Iran.

6- Echocardiographic findings in pulmonary artery hypertension, international congress of Iranian pediatric cardiology Apr2011, Tehran, Iran.

7- Role of pediatrician in diagnosis and primary management of cyanotic heart diseases. West Iranian Symposium of Pediatric Cardiology, Sanandaj, May 2011

8- Interesting pediatric echocardiography cases 4th symposium of Iranian society of Echocardiography Oct 2011 Tehran

9- Case presentation: Diagnosis of cranial AV fistula by echocardiography, 1391/6/16 (September 2012) Iranian society of pediatric cardiology symposium In Rajaie Hospital, Tehran, Iran

10- Role of Echocardiography in decision making for congenital heart surgery 2012/9/27 1st

Iranian Cardiovascular Joint Congress, Tehran, Iran

- 11-TEE for CHD in operating room 2014/5/8 Symposium of pediatric echocardiography Tehran Iran
- 12-Fetal arrhythmia 6thRazavi international conference 2016 Mashhad Iran
- 13-TEE in CHD surgery 5th Iranian cardiovascular joint conference 2017 Tehran IRAN
- 14- Fetal 3D echocardiography 2017,6th Iranian International Pediatric Cardiology Congress
- 15-Cardiac manifestations of Cranial AV fistula Second international pediatric conference EuroSci March 2018 Edinburgh Scotland
- 16-Kowsar International Cardiology Conference 2018 Fetal Cardiology updates Shiraz Iran
- 17-Role of echocardiography After Fontan procedure ISPS annual symposium 2018 Bahman Hospital Tehran Iran
- 18-Role of TEE in pediatric intervention procedures, VSD 2018 Caspian International congress Mashhad Iran
- 19-Fetal Echocardiography ISPC annual workshop 2019 RHC Tehran Iran
- 20-Echocardiographic evaluation of congenital and acquired cardiac valve disease
7thIranian joint congress March 2019 RHC Tehran Iran
- 21-Poster presentation “What do you know about your child’s heart disease A single center survey “7th Iranian joint congress March 2019 RHC Tehran Iran
- 22-Fetal cardiology:3rd. International CASPIAN Meeting,
- 23-poster presentation: **Moradian M** et al 2019, Tetralogy of Fallot and Hypertrophic Cardiomyopathy in a Cyanotic infant, 3rd International CASPIAN Meeting,
- 24-Poster presentation 31st International Congress of pediatrics “Referring for Fetal echo performance: A survey in two centers of Iran 2019” in Children Medical Center and Imam Khomeini hospital Tehran Iran **Moradian M** et al
- 25-Webinar lecturer: “Diastolic dysfunction in congenital heart diseases” ISPC program 2020
- 26-Webinar lecturer:” Echocardiographic Tips and Pearls in congenital AS “Middle East Cardiovascular Congress 19 of November 2020
- 27- Webinar Lecturer “Role of Echocardiography in Pediatric cardiac arrhythmia “February 2021
- 28- Webinar lecturer “treatment of Fetal arrhythmias” Isfahan University
- 29- Lecture “Current and Future Role of Echocardiography in Arrhythmogenic Cardiomyopathies” in ISPC annual congress 1401 (September 2022)

Director & supervisor professor for medical graduates Thesis:

- 1-Evaluation the parent’s knowledge about the role of nutrition on children’s health and growth

- 2-Evaluation of prevention programs for iron deficiency anemia in infants covered by Mashhad health centers during 2001-2002
- 3-Evaluation the causes of Formula feeding in accompany with or instead of breast feeding
- 4- Supervision and Evaluation of Intern's knowledge about correct usage of antibiotics.
- 5-A comparison between neonatal CPR in delivery room in privet and university hospitals of Mashhad in 2002
- 6-Causes of respiratory distress in children aged 1 mo to 12 yr who were admitted in Hefdah shahrivar Hospital in Mashhad, a statistical evaluation in one year 2000-2001
- 7-A comparison between urinary parameters in two different socioeconomic school aged children in Mashhad with dipstick.
- 8-Evalution the causes and incidence of using DT instead of DPT for vaccination in Mashhad Health centers in 2002
- 9-Evaluation the sex, age, clinical symptoms and laboratory finding in children with nephrotic syndrome who admitted in Hefdah shahrivar Hospital (Mashhad) during 1991-1998 supervisor professor: SaiedeTarvigEslami . Consultant professor: Maryam Moradian
- 10-Evaluation the incidence of iron deficiency anemia in patients with congenital heart disease who were admitted in Hefdah shahrivar hospital during 10 years (1992 till 2002).
- 11-Reffering for fetal echocardiography: A comparison between two centers 2018- supervisor professor Dr Hassan Ismaili Advisor: Moradian M

Supervisor / or Advisor professor for the pediatric cardiology fellows' thesis:

- 1-Study on bone age in pediatric patients with congenital heart disease and its relation with cyanosis and pulmonary artery pressure. 2011
- 2-Change of Left Atrial Ejection Force after ASD Closure Using Amplatzer Device in Pediatric patients 2012
- 3- Echocardiographic Evaluation of Right Ventricular Function after Pulmonary Valve Replacement in Patients with Tetralogy of Fallot 2014
- 4- Comparing Ventricular Function in Fetuses of Diabetic and Non-Diabetic Mothers Using Tissue Doppler Imaging 2015
- 5- Echocardiographic RV deformation indices before and after ASD closure: A comparison between device and surgical closure 2015
- 6- Post VSD closures arrhythmia; surgery versus catheterization 2016

7-Correlation between ProBNP and TDI in children with DCM during one year in RHC supervisor professor Dr Avis Tabib Advisors: Mahdavi M, Moradian M

8-Clinical course and prognosis of pediatric cardiac tumors during eight years in RHC, a single center review 2019

Books and CD s

- 1- Moradian M. "Embryology" and "Fetal Circulation" chapters In: Sadeghpour A et al.(eds). Comprehensive Approach to Adult Congenital Heart Disease Springer-Verlag London 2014:9-19
- 2- ECG in children & adolescents with congenital and acquired heart diseases **Moradian M** et al. first edition 1395
- 3-Atlas of Echocardiography in Pediatrics and Congenital Heart Diseases S p r i n g e r 2021 Editors **Moradian M**, Alizadehasl A