

## RESUME

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Assistant Professor of pediatric cardiology

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## Educational Background & Degrees

2008 to present: Assistant 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: CMEBC 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

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 SadeghpourKiavarAlizadeasl (eds) Comprehensive approach to adult CHD
- 10-Alizadeasl A, Moradian M Embryology (2014) in SadeghpourKiavarAlizadeasl (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 Teh Univ 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 MMortezaeianH Change of "Left Atrium Ejection Force" after Transcatheter "Atrial Septal Defect" Closure Using "AMPLATZER," in Pediatric Patients Res Cardioasc 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 Cardioasc Med 2018; 7:144-7.
- 25-Zyaeifard M ... MoradianM 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 TehUniv Heart Ctr 2018;13(2):84-87.
- 27-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
- 28-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)
- 29-Zyaeifard 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)
- 30-MortezaeianH...Moradian M et al Prevalence and Associated Factors of Protein-Losing Enteropathy After Fontan Surgery IHJ 2020;21 (2)
- 31-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
- 32-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
- 33-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)

## 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<sup>th</sup> 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 .16<sup>th</sup> 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 4<sup>th</sup> 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 1<sup>st</sup> 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 6<sup>th</sup>Razavi international conference 2016 Mashhad Iran
- 13-TEE in CHD surgery 5<sup>th</sup> Iranian cardiovascular joint conference 2017 Tehran IRAN
- 14- Fetal 3D echocardiography 2017,6<sup>th</sup> Iranian International Pediatric Cardiology Congress
- 15-Cardiac manifestations of Cranial AV fistula Second international pediatric conference EuroSci March 2018 Edinburgh Escotland
- 16-Kowsar InternationalCardiology 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

7<sup>th</sup>Iranian joint congress March 2019 RHC Tehran Iran

21-Poster presentation "What do you know about your child's heart disease A single center survey"7<sup>th</sup> 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 31<sup>st</sup>International Congress of pediatrics Referring for Fetal echo performance: A survey in two centers of Iran 2019 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

## 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 Hefdahshahrivar 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-Evaluation 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 Hefdahshahrivar 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 Hefdahshahrivar hospital during 10 years (1992 till 2002).

11-Reffering for fetal echocardiography: A comparison between two centers 2018- supervisor professor DrHassan Esmaili 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 professorDrAvisaTabibAdvisors: MahdaviM,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: A.Sadeghpour 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