

MARYAM ESMAEILZADEH, MD, FACC, FCAPSC

Associate Professor of Cardiology

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SUMMARY OF QUALIFICATIONS

- Broad knowledge in cardiology and cardiac imaging
- Extensive professional skills in echocardiography [TTE, stress echocardiography, TEE,TDI,TSI,SRI and STE]
- Certain proficiency in adult congenital heart disease
- Extensive training and expertise in interventional echocardiography, endorsed as focal point of multi-disciplinary highly specialized team
- High proficiency in medical records, documentation and reports generation
- Publisher of various articles in Medical Journals
- Trainer/ Resource Speaker on topics such as Role of Cardiac Imaging or multimodality cardiac imaging in cardio vascular diseases
- Creative professional with extensive project experience from concept to development
- Talent awarded researcher with more than 10 years of experience in planning, developing and implementing research programs
- Dedicated patient advocate
- Action-oriented, organized strategic planner with strong ability at team work
- Skilled in quantitative and qualitative data analysis and familiar with clinical researches
- Excellent decision making and complex problem solving skills with proportional experience at project management and consulting
- Excellent leadership and strong event planning, programming, coordination, design and evaluation skills
- Eager to carry and transforming knowledge
- Interactive teaching
- Remarkable communication skills, very flexible , compassionate and thankful
- Highly responsible with strong professional behavior and communication skills and excellent attendance record
- Detail-oriented, hard-working professional with genuine enthusiasm to contribute efficiently and passionately
- Prosperous career at team work with characteristic ability of motivation, negotiation and supervision skills to achieve accomplishments

WORK EXPERIENCE

Co-Director **2008 to current**

*Echocardiography Research Center,
Rajaie Cardiovascular Medical and Research Center*

- Conducted a minimum of three research projects per year resulted in 80 publications in medical journals, awarded as the top researcher
- Secretary General of Annual Echocardiography congress of Rajaie Cardiovascular Medical and Research Center in three consecutive years

Program Director **2007 to current**

Ministry of Health, Deputy for Education, Iranian Council for Graduate Medical Education

- Incorporate into design (and revision) of Echocardiography and Heart failure and transplant Fellowship Curriculums
- Incorporate into revision of Pace maker and electrophysiology Fellowship core curriculums
- Designed questions for fellowship and cardiology residency exam

Co-Director **2005-2013**

*Department of Echocardiography,
Rajaie Cardiovascular Medical and Research Center*

- Supervised echocardiography fellows and taught residents of cardiology by preparing practical and theoretical syllabus, resulted in graduation of 20 highly qualified cardiologists and 6 echocardiography fellows each year

Medical Magazine Reviewer/Associate Editor (Remote) **2003 to current**

Cardiology and Echocardiography Journals (US, Europe, Middle East and Asia)

- Reviewed articles for American Journal of Cardiology, European journal of Echocardiography, International Journal of Cardiology, Journal of Tehran Heart Center, Journal of Iranian Heart Association, Research in Cardiovascular Medicine, Archive of Cardiovascular Imaging
- Reviewed more than 30 articles on cardiology such as Cardiac Imaging, Coronary Artery Disease and Valvular Heart Diseases and other published in various Medical local and International Journals
- Provided comments and suggestions for revisions; verified statistical data present ensuring accuracy of medical results

- Ranked and Marked articles based on chart for minimum requirement for publication; provided recommendations for articles for submission to for final proof reading
- Rejected articles that do not meet requirements for journal's goals and objectives; ensured that articles submitted were current and original

Echocardiography Log book Reviewer **2010 to current**
European Association of Echocardiography

- Accomplished three logbooks review per year for accreditation of Medical Specialist Candidates on transesophageal echocardiography

Faculty member, Echocardiologist **2003 to current**
Rajaie Cardiovascular Medical and Research Center, Iran

Consultant Cardiologist **1997- 2001**
Ilam University of Medical Sciences, Iran

Consultant Cardiologist **1996- 1997**
Tehran University of Medical Sciences, Iran

EDUCATION and TRAINING

Research Fellow **2013**
Tufts-New England Medical Center, Boston, MA, USA

Fellow of the American College of Cardiology **2010**
American College of Cardiology, USA

Fellowship of Basic Cardiac MRI **2009**
St. Marine Hospital, Bonn, Germany

4D and Multi-dimensional imaging teaching course **2009**
GE health care, Austria

Fellow of the College of Asian Pacific Society of Cardiology **2007**

Adult Echocardiography Accreditation **2005**
European Board for Accreditation in Cardiology (EBAC), European Association of Echocardiography

Fellowship in Advanced Echocardiography, Iran <i>Rajaie Cardiovascular Medical and Research Center, Tehran</i>	2003
Board Certification of Cardiology <i>Iran University of Medical Sciences, Tehran, Iran</i>	1995
Medical Diploma (University) <i>Iran University of Medical Sciences, Tehran, Iran</i>	1984-1990

AWARDS

- Best physician at Rajaie Cardiovascular Medical and Research Center **2013**
- Top researcher at Rajaie Cardiovascular Medical and Research Center **2012**
- Third rank of graduated medical students at Iran University of Medical Sciences **1990**

PROFESSIONAL AFFILIATIONS

- Member of the American College of Cardiology (FACC) **2010**
- Member of the Canadian Society of Echocardiography **2010**
- Member of Iranian Society of Echocardiography **2007**
- Member of the College of Asian Pacific Society of Cardiology **2007**
- Member of American Society of Echocardiography **2005**
- Member of Iranian Society of Atherosclerosis **2004**
- Member of European Society of Cardiology **2003**
- Member of European Society of Echocardiography **2003**
- Member of Iranian Heart Association **2001**
- Member of Iranian Medical Association **1990**

PRESENTATIONS AND PUBLICATIONS

ABSTRACTS

1. Is There a Relation between Left Ventricular Diastolic Elastance and End-Systolic Elastance? **M. Esmaeilzadeh**, HR. Salehi, R.Malik, H. Bakhshandeh, AR. Patel, NG Pandian. ESC Congress ,Barcelona, Spain ,30 Aug-3 Sep. 2014.
2. Relation between Left Ventricular Diastolic Elastance and Myocardial Deformation Indices. **M. Esmaeilzadeh**, H. Bakhshandeh, HR. Salehi, R.Malik, AR. Patel, NG Pandian. ESC Congress, Barcelona, Spain ,30 Aug-3 Sep. 2014.
3. Association of Left Atrial Myocardial Function with Left Ventricular Diastolic Dysfunction: 2-Dimensional Speckle Tracking Imaging Study. N. Samiei, F. Abbasian, Y. Mirmesdagh, M. Parsaee, Z. Ojaghi Haghighi, **M. Esmaeilzadeh**. 25th Annual Scientific Sessions of ASE, Portland, OR,USA, June 20-24 ,2014.

4. Relation between Parameters of Myocardial Mechanics and Ventricular Arterial Coupling: A Three Dimensional Speckle Tracking Study in Healthy Adults. **M. Esmaeilzadeh**, HR.Salehi, R. Malik, H. Bakhshandeh, A R. Patel, NG. Pandian. 63rd Annual Scientific Session of ACC, Washington DC, USA, March 29-31, 2014.
5. Impaired Twist Rate in Patients with Severe Aortic Stenosis Despite Normal Ejection Fraction Identified by Three-Dimensional Speckle Tracking Echocardiography. HR. Salehi, W. Syed, **M.Esmaeilzadeh**, L.Sugeng, NG.Pandian, 63rd Annual Scientific Session of ACC, Washington DC, USA, March 29-31, 2014.
6. Evaluation of Atrial Asynchrony in Heart Failure Patients by 2D Speckle Tracking using Velocity Vector Imaging. **M. Esmaeilzadeh**, M. Nikparvar, M. Maleki, F. Noohi, S.Z.M. Ojaghighi Haghghi, P. Nakhostin Davari, H. Bakhshandeh.17th World Congress on Heart Disease,Toronto,ON,Canada,July 27-30, 2012
7. Effects of Cardiac Rehabilitation and Exercise Training Programs on Body Composition in Coronary Patients. B. Moradi, **M. Esmaeilzadeh**, M. Maleki, M. Nalini, Sh. Jafari. 17th World Congress on Heart Disease,Toronto,ON,Canada,July 27-30, 2012
8. Fragmented QRS Complex in Acute Anterior Myocardial Infarction and Coronary Sinus Blood Flow: Is There Any Relevance? A. Alizadehasl, B. Mohebbi, M. Toufan, **M. Esmaeilzadeh**, A. Hosseinsabet, R. Azarfarin. 17th World Congress on Heart Disease,Toronto,ON, Canada, July 27-30, 2012
9. Assessment of Right Atrial Function Compared to Interatrial Septum and Left Atrium: A Doppler Myocardial Imaging Study in Healthy Subjects. Z. Ojaghi-Haghghi, A. Alizadehasl, M. Maleki, N. Naderi, **M. Esmaeilzadeh**, F. Noohi, H. Moladoust, H. Bakhshandeh, P. Nakhostin Davari, R. Azarfarin. 17th World Congress on Heart Disease,Toronto,ON,Canada,July 27-30, 2012
10. Echocardiographic Evaluation of Patients with Chronic Thromboembolic Pulmonary Hypertension Before and after Pulmonary Artery Endarterectomy. M. Shojaeifard, G.H. Omrani, **M. Esmaeilzadeh**, H. Bakhshandeh Abkenar. 17th World Congress on Heart Disease,Toronto, ON, Canada,July 27-30, 2012
11. Assessment of subclinical left ventricular dysfunction in patients with chronic mitral regurgitation using torsional parameters described by tissue Doppler imaging. Z. Ojaghi-Haghghi, A. Mostafavi, H. Moladoust, F. Noohi, M. Maleki, **M. Esmaeilzadeh**, N. Samiei, S. Hosseini. EUROECHO & other Imaging Modalities 2012, 5-8 December, Athens, Greece
12. Non-invasive Localization of Accessory Pathways in Patients with Wolff-Parkinson-White Syndrome: A Strain Imaging Study. **M. Esmaeilzadeh**, MT Salehi Omran, M. Maleki, M. Haghjoo, F. Noohi, Z. Ojaghi Haghghi, A. Sadeghpour, P. Nakhostin Davari, H. Bakhshandeh Abkenar. Euroecho 2011, Budapest , Hungary, Dec 7-10, 2011
13. Assessment of Left Atrial Function by 2D Strain using Velocity Vector Imaging in Patients with Systolic Heart Failure. **M. Esmaeilzadeh**, M. Maleki, A. Amin, F. Vakilian, F. Noohi, Z. Ojaghi Haghghi, P. Nakhostin Davari, H. Bakhshandeh Abkenar. Euroecho 2011, Budapest , Hungary, Dec 7-10, 2011
14. Echocardiographic findings in patients with right ventricle volume and pressure overload,a comparison study between two groups of pathologic right ventricle overload, N. Hadizadeh, M. Borji, **M. Esmaeilzadeh**, ZM. Ojaghi Haghghi, A. Sadeghpour, M. Parsaei , M. Shojaeifard. Euroecho 2011, Budapest , Hungary, Dec 7-10, 2011
15. The Relation between Left Atrial 2D Strain and Diastolic Dysfunction in Patients with Systolic Heart Failure using Velocity Vector Imaging. **M. Esmaeilzadeh**, F. Vakilian, M. Maleki, A. Amin, H. Bakhshandeh Abkenar. Echocardiography Today and Tomorrow10th International Symposium, St.Wolfgang , Austria, June 20-24, 2011
16. Evaluation of regional myocardial systolic function in the early stage of acute myocardial infarction using strain rate imaging: impact of different therapeutic strategies (primary percutaneous coronary intervention vs. thrombolytic therapy and conservative therapy). **M. Esmaeilzadeh**, ZA. Sani, HR. Sanati, M. Maleki, A. Sadeghpour, M. Parsaee, H. Bakhshandeh Abkenar. ICC 2010, 26-28 Feb , HongKong.

17. Evaluation of longitudinal right ventricular mechanical dyssynchrony before and early after cardiac resynchronization therapy: a strain imaging study. **M. Esmaeilzadeh**, H. Poorzand, M. Maleki, M. Parsaee, A. Sadeghpour. ICC 2010, 26-28 Feb , HongKong.
18. Evaluation of the Relation between Anterior Mitral Valve Leaflet Motion Based on Height to Length Ratio and the Immediate Outcome of Percutaneous Balloon Mitral Valvuloplasty. **M. Esmaeilzadeh**, S.H. Homayounfar, M. Maleki, M. Parsaee, A. Sadeghpour H.B. Abkenar, 15th World Congress on Heart Disease , 24-26 July 2010, Vancouver,BC, Canada.
19. Evaluation of the Relation between Anterior Mitral Valve Leaflet Motion Based on Height to Length Ratio and the Immediate Outcome of Percutaneous Balloon Mitral Valvuloplasty. **M. Esmaeilzadeh**, S.H. Homayounfar, M. Maleki, M. Parsaee, A. Sadeghpour H.B. Abkenar, 15th World Congress on Heart Disease , 24-26 July 2010, Vancouver,BC, Canada.
20. Is the Peak to Mean Pressure Gradient Ratio Useful for Assessment of Aortic Valve Prosthesis Obstruction? **M. Esmaeilzadeh**, A. Mirdamadi, M. Parsaee, A. Sadeghpour, N. Samiei, Z. Ojaghi Haghighi, F. Noohi, M. Maleki, A. Mohebbi, H. Bakhshandeh. 17th Asian Pacific Congress of Cardiology, Kyoto, Japan, 20-23 May, 2009.
21. Short term effect of AV optimization. A. Sadeghpour, L. Zahedi, M. Haghjoo, **M. Esmaeilzadeh**, M Parsaee. Euroecho 2009, Barcelona, Spain.
22. Association between left ventricular systolic dyssynchrony and syncope in patients with hypertrophic cardiomyopathy. A. Sadeghpour, N. Behzadnia, M. Parsaee, **M. Esmaeilzadeh**, M. Peighambari, M. Maleki. Euroecho 2009, Barcelona, Spain.
23. Quantitative grading of diastolic dysfunction according to load independent criteria: Tissue doppler imaging and color M-mode propagation velocity. N. Samiei, **M. Esmaeilzadeh** , A. Ehssani, A. Sadeghpour, SZM. Ojaghi Haghighi, F. Noohi, A. Mohebbi, M. Maleki. 4th Asian Pacific Congress of Heart Failure, Poster presentation, Melbourne, Australia, 31 January - 3 February 2008 .
24. Prevalence of Interventricular and Intraventricular Dyssynchrony in Heart Failure Patients Regardless QRS Duration. **M. Esmaeilzadeh**, N. Mohammad Hadi , Z. Emkanjoo, A. Sadeghpour, SZM. Ojaghi Haghighi, N. Samiei, F. Noohi, A. Mohebbi, M. Maleki. 4th Asian Pacific Congress of Heart Failure, Poster presentation, Melbourne, Australia, 31 January - 3 February 2008.
25. Left ventricular contractile reserve predicts acute response to cardiac resynchronization therapy **M. Esmaeilzadeh** , R. Sattarzadeh, M. Haghjoo , N. Samiei , M. Parsaee ,A. Mohebbi ,F. Noohi , A. Sadeghpour , M. Maleki, SZM. Ojaghi Haghighi. ESC 2008, Munich, 30 Aug-3 Sep.
26. Usefulness of left ventricular contractile reserve to predicts acute positive response to cardiac resynchronization therapy **M. Esmaeilzadeh**, R. Sattarzadeh, M. Haghjoo, M. Parsaee, A. Ghorbani, F. Noohi, A. Mohebbi, M. Maleki. Euroecho 2008, Lyon-France, 10-13 Dec .
27. Echocardiographic Assessment of Aortic Regurgitation Severity by Left Ventricular to Right Ventricular Stroke Volume Ratio, Comparison with Cardiac Catheterization. **M. Esmaeilzadeh**, Kh.Soleimany, M. Parsaee, HA. Bassiri, F. Esmaeilzadeh, H. Bakhshandeh .,16th Congress of Iranian Heart Association in Collaboration with American College of Cardiology, Poster presentation, Tehran, Iran, Nov. 18-21 2008.
28. Non Invasive Assessment of Left Ventricular End-Diastolic Pressure in Patients with Chronic Aortic Regurgitation, Application of a new index by CW Doppler Echocardiography. **M. Esmaeilzadeh** , M. Hamidzad, M, Kiavar, F. Esmaeilzadeh, H. Bakhshandeh. 16th Congress of Iranian Heart Association in Collaboration with American College of Cardiology, ORAL presentation, Tehran,Iran, Nov. 18-21 2008.
29. Improvement Systolic and Diastolic Function after Cardiac Resynchronization Therapy. N.Samiei, A.Khosravi ,

- Z. Ojaghi, **M. Esmailzadeh**, M. Maleki, A. Mohebbi . 16th Congress of Iranian Heart Association in Collaboration with American College of Cardiology Nov. 18-21 2008, Tehran, Iran.
30. Coronary flow reserve and strain imaging before and after percutaneous coronary intervention. Z. Ojaghi , F. Abtahi, M. Maleki , F. Safi , F. Noohi, N. Samei , A. Sadeghpour A., **M. Esmailzadeh** , A. Mohebbi, SH. Ojaghi. 16th Congress of Iranian Heart Association in Collaboration with American College of Cardiology Nov. 18-21 2008, Tehran, Iran.
 31. Right ventricular dP/dt in patients with mitral stenosis has close correlation with functional capacity and right ventricular function A. Sadeghpour, H. Harati, M. Kiavar, **M. Esmailzadeh**, F. Noohi, M. Maleki , A. Mohebbi, Z. Ojaghi H. , N. Samiei . 16th Congress of Iranian Heart Association in Collaboration with American College of Cardiology Nov. 18-21 2008, Tehran, Iran.
 32. Doppler Echocardiographic Assessment of Pulmonary Prostheses: A Comprehensive Assessment Including Velocity Time Integral Ratio and Prosthesis Effective Orifice Area. A. Sadeghpour, H. Saadatifar, M. Kiavar, **M. Esmailzadeh**, M. Maleki, Z. Ojaghi, F. Noohi, N. Samiei, A. Mohebbi. Euroecho 2008, 10-13 Dec. Lyon- France.
 33. Effects of Enhanced External Counter pulsation on LV Systolic and Diastolic Function, A Tissue Doppler Imaging Study. **M. Esmailzadeh**, A. Khaledifar, SZM. Ojaghi Haghighi, A. Sadeghpour, N. Samiei, H. Moladoust , F. Noohi, M. Maleki, A. Mohebbi. 18th annual congress of American Society of Echocardiography, Poster presentation, Seattle, USA, 2007.
 34. Late Occurrence of Fatal Aortitis: A Complication of Aspergillus Endocarditis Following Coronary Artery Bypass Graft Surgery. **M. Esmailzadeh**, M. Peighambari, M. Parsaee, A. Sadeghpour, S. Hosseini, K. Mozaffari. 18th annual congress of American Society of Echocardiography, Case presentation, Seattle, USA, June 2007.
 35. Prevalence of left ventricular Diastolic asynchrony in patient with systolic heart failure. **M. Esmailzadeh**, H. Saadatifar, SZM. Ojaghi Haghighi, A. Sadeghpour, N. Samiei, F. Noohi, M. Maleki, A. Mohebbi. 13th World Congress on Heart Disease, International Academy of Cardiology Annual Scientific Sessions, Poster presentation, Vancouver, B.C., Canada, July 28-31, 2007.
 36. Evaluation of Left Ventricular Asynchrony in Patients with Atrial Septal Defect Before and after Surgical Closure. **M. Esmailzadeh**, A. Sadatnaseri, F. Noohi, M. Maleki, A. Mohebbi, SZM. Ojaghi Haghighi, A. Sadeghpour, N. Samiei. 16th Asian Pacific Congress of Cardiology (APCC), Poster presentation, Taipei, Taiwan, December 13-16, 2007.
 37. Prevalence of Interventricular and Intraventricular Dyssynchrony in Heart Failure Patients Regardless QRS Duration. **M. Esmailzadeh** , N. Mohammad Hadi , Z. Emkanjoo, A. Sadeghpour, SZM. Ojaghi Haghighi, N. Samiei, F. Noohi, A. Mohebbi, M. Maleki. 16th Asian Pacific Congress of Cardiology (APCC), ORAL presentation, Taipei, Taiwan, December 13-16, 2007.
 38. Quantification of Pulmonary Regurgitation in Patients with Repaired Tetralogy of Fallot. **M. Esmailzadeh**, R. Jalalian, M. Maleki, A. Sadeghpour F. Noohi, SZM. Ojaghi Haghighi, N. Samiei, A. Mohebbi, European Society of Cardiology, Poster presentation, Barcelona, Spain, 2006.
 39. Contrasting Effect of Similar Regurgitant Orifice Area in Pulmonary and Aortic Regurgitation. **M. Esmailzadeh**, M. Parsaee, R. Jalalian, M. Maleki, A. Sadeghpour, SZM. Ojaghi Haghighi, N. Samiei F. Noohi, 15th International Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, ORAL presentation, Tehran, Iran, 2006.
 40. Quantification of Aortic Regurgitation by the Left Ventricular to Right Ventricular Stroke Volume Ratio. **M. Esmailzadeh**, M. Parsaee, A. Sadeghpour, M. Maleki, F. Noohi, SZM. Ojaghi Haghighi, N. Samiei, A. Mohebbi, 15th International Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, ORAL presentation, Tehran, Iran, 2006.

41. Evaluation of Mechanical Dyssynchrony in Idiopathic Dilated Cardiomyopathy versus Left Ventricular Non-Compaction, M. Moshkani Farahani, **M. Esmailzadeh**, A. Bagherzadeh, SZM. Ojaghi Haghighi, A. Sadeghpour, N. Samiei, Euroecho 10, Poster presentation, Prague, Czech Republic, Dec 2006.
42. Right Ventricular Strain and Strain Rate Analysis in Patients with Inferior Infarction and Right Ventricular Infarction. M. Moshkani Farahani, A. Sadeghpour, **M. Esmailzadeh** 15th International Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, Tehran, Iran, 2006.
43. Evaluation of Regional Myocardial Function by Strain Rate Imaging in Patients Undergoing Coronary Intervention, SZM. Ojaghi Haghighi, A. Zoroufian, F. Noohi, M. Maleki, A. Mohebbi, N. Samiei, A. Sadeghpour, **M. Esmailzadeh**, 15th International Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, Tehran, Iran, 2006.
44. Clinical Characterization of Left Ventricular Non-Compaction, **M. Esmailzadeh**, M. Moshkani Farahani, R. Jalalian, A. Zoroufian, A. Sadeghpour, SZM. Ojaghi Haghighi, N. Samiei, Euroecho 10, Poster presentation, Prague, Czech Republic, Dec 2006.
45. Transesophageal Echocardiographic Assessment of Right Atrial Appendage Velocities in Comparison with Left Atrial Appendage, **M. Esmailzadeh**, A. Fazlinezhad, M. Maleki, A. Sadeghpour, F. Noohi. Euroecho 10, Poster presentation, Prague, Czech Republic, Dec 2006.
46. Left Ventricular Wall Motion Score Index as an Early Predictor of Hemodynamic State after Myocardial Infarction. N. Salehi, M. Maleki, F. Noohi, A. Sadeghpour, M. Nasiri Ahmadabadi, SZM. Ojaghi Haghighi, N. Samiei, **M. Esmailzadeh**, 15th International Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, Tehran, Iran, 2006.
47. Mitral to Aortic Velocity-Time Integral Ratio: A Simplified Method for Determining Mitral Regurgitation Severity", A. Sadeghpour, M. Moshkani, M. Shakiba, **M. Esmailzadeh**, SZM. Ojaghi Haghighi, N. Samiei, 17th Annual Scientific Sessions of The ASE, Baltimore, MD, USA, June 3-7, 2006.
48. Assessment of Risk Factors in Patients with Myocardial Infarction including ST Elevation and Non-ST Elevation MI. M. Moshkani Farahani, A. Sadeghpour, **M. Esmailzadeh**, SZM. Ojaghi Haghighi, N. Samiei, 15th International Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, Poster presentation, Tehran, Iran, 2006.
49. Quantification of left to right shunt in Secundum ASD by PISA method. **M. Esmailzadeh**, M. Maleki, F. Noohi, 16th annual congress of American Society of Echocardiography, Poster presentation, Boston, USA, 2005.
50. Predictive value of Conventional Pulsed Wave Doppler in Paravalvular Leak of Aortic Prosthesis. Z. Akbarzadeh, **M. Esmailzadeh**, SZM. Ojaghi Haghighi, F. Noohi, M. Maleki, 4th International Congress of the Iranian Society of Cardiac Surgeons, Tehran, 2005.
51. Hemodynamic Evaluation of Mitral Stenosis Before and After PTMC Using Stress Doppler Echocardiography. **M. Esmailzadeh**, M. Maleki, F. Noohi, A. Mohebbi, SZM. Ojaghi Haghighi, 8th World Congress of Echocardiography, Poster presentation, Antalya, Turkey, 2004.
52. Hemodynamic evaluation of Mitral Stenosis using stress Doppler Echocardiography, **M. Esmailzadeh**, F. Noohi, M. Maleki, A. Mohebbi, SZM. Ojaghi Haghighi, 14th International Congress of IHA in collaboration with British Cardiac Society, Tehran, Iran, 2004.
53. The effects of hyperlipidemia on LV diastolic function, **M. Esmailzadeh**, 12th International Congress of IHA in collaboration with Mayo Clinic and the Cleveland Clinic Foundation, ORAL presentation Tehran, 2000.
54. Effects of acute myocardial infarction on Acid-Base balance and arterial PO₂. **M. Esmailzadeh**, M. Maleki, 9th International Congress of IHA, ORAL presentation, Tehran, 1995.

ARTICLES

1. Localization of Accessory Pathway and Efficacy of Catheter Ablation in Wolff-Parkinson-White syndrome by Regional Assessment of Left Ventricular Torsion and Twist (Literature Review and Case Presentation). **M. Esmaeilzadeh** , A. Alizadehasl. JCVRT ,In press.
2. Assessment of Subclinical Left Ventricular Dysfunction in Patients with Chronic Mitral Regurgitation Using Torsional Parameters Described by Tissue Doppler Imaging. Z. Ojaghi-Haghighi, A. Mostafavi, H Moladoust, F . Noohi, M. Maleki, **M. Esmaeilzadeh**, N. Samiei. J Teh Univ Heart Ctr 2014;9(2):76-81.
3. The time interval between the onset of Tricuspid E wave and annular Ea wave (TE-Ea) can predict right atrial pressure in patients with heart failure. N.Naderi, A. Amin, Z. Ojaghi Haghighi, **M. Esmaeilzadeh** , H. Bakhshandeh, S. Taghavi, M. Maleki. Anadolu Kardiyol Derg 2014;14, DOI:10.5152/akd.2014.5025
4. Partially Unroofed Coronary Sinus, Persistent Left Superior Vena Cava and Cortriatriatum: A Rare Combination of Interruption in Normal Embryogenesis. MM. Peighambari , **M. Esmaeilzadeh** , A. Alizadehasl , N. Akiash , M. Motamedzadeh. Res Cardiovasc Med 2014 ; 2(1): e15383.
5. Does Accessory Pathway Significantly Alter Left Ventricular Twist/Torsion? A Study in Wolff-Parkinson-White Syndrome by Velocity Vector Imaging.F. Aminian, **M. Esmaeilzadeh**, H. Moladoust, M. Maleki, S. Shahrzad, Z. Emkanjoo, A. Sadeghpour Echocardiography 2013, DOI: 10.1111/echo.12470.
6. Does the Effect of Supervised Cardiac Rehabilitation Programs on Body Fat Distribution Remained Long Time? M.Nalini, B. Moradi, **M. Esmaeilzadeh**, M. Maleki . J Cardiovasc Thorac Res 2013; 5(4): 133-138.
7. Right Atrium Clot Formation Following Percutaneous Mitral Valvuloplasty. N. Salehi, S. Abdi, **M. Esmaeilzadeh**, N. Movasaghi , M. Nasiri-Ahmad Abadi, A. Vakili-Zarch. The Heart Surgery Forum 2013;16 (3): E162 - E163.
8. A Rare Case of Complex Congenital Heart Disease with Bifid Cardiac Apex, Unique Finding in Left Ventricle. M. Maleki, **M. Esmaeilzadeh**, A. Alizadehasl, A. Hashemi. J Teh Univ Heart Ctr 2013; 8(3):158-160.
9. Normal Reference Values of Tissue Doppler Imaging Parameters for Right Ventricular function in Young Adults: a population based study. M.Shojaeifard, **M. Esmaeilzadeh**, M. Maleki, H. Bakhshandeh, F.Parvaresh, N. Naderi. Res Cardiovasc Med. 2013 ;1(5): 160-6.
10. Patent Ductus Arteriosus Associated with Congenital Anomaly of Coronary Artery. Majid Maleki, Nassrin Azizian, **M. Esmaeilzadeh**, B. Moradi. Res Cardiovasc Med. 2013; 1(5): 190-2.
11. Evaluation of Left Atrial Two-Dimensional Strain in Patients with Systolic Heart Failure using Velocity Vector Imaging. **M. Esmaeilzadeh**, F. Vakilian, M. Maleki; A. Amin; S. Taghavi; H. Bakhshandeh Abkenar. Arch Cardiovasc Imaging. 2013; 1(2): 51-57.
12. Echocardiographic Assessment of Right Atrium Deformation Indices in Healthy Young Subjects. Z. Haghighi, A Alizadehasl, M. Maleki, N. Naderi, **M. Esmaeilzadeh**, F. Noohi, H.Moladoust, H. Bakhshandeh, P. Nakhostin Davari, R.Azarfarin, H.Ojaghi Haghighi . Archives of Cardiovascular Imaging 2013 1 (1), 2-7.
13. The Role of Echocardiography in Coronary Artery Disease and Acute Myocardial Infarction. Review Article. **M. Esmaeilzadeh**, M. Parsaee, M. Maleki. J Teh Univ Heart Ctr 2013;8 (1):1-13
14. Noninvasive Localization of Accessory Pathways in Patients with Wolff-Parkinson-White Syndrome: A Strain Imaging Study. **M. Esmaeilzadeh**, M.T. Salehi Omran, M. Maleki, M. Haghjoo, F. Noohi, SZ. Ojaghi Haghighi, A. Sadeghpour, P.Nakhostin Davari, H. Bakhshandeh Abkenar. J Teh Univ Heart Ctr. 2013. 8(2):65-69.
15. Assessment of Inter and Intra-atrial Asynchrony in Patients with Systolic Heart Failure Using Velocity Vector Imaging. **M. Esmaeilzadeh** , M. Nikparvar , M. Maleki , F. Noohi , Z. Ojaghi-Haghighi , N. Samiei , Paridokht Nakhostin-Davari 1, Hooman Bakhshandeh. Res Cardiovasc Med.2013;1(4):114-20
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68. Prevalence of Mechanical Dyssynchrony in Heart Failure Patients with Different QRS Durations. M. Haghjoo, A. Bagherzadeh, AF. Fazelifar, Z Ojaghi Haghghi, **M. Esmaeilzadeh**, A. Alizadeh, Z. Emkanjoo, A. Sadeghpour, N. Samiei, M. Moshkani Farahani, MA. Sadr-Ameli, M. Maleki, F.Noohi. Pacing Clin Electrophysiol 2007; 30: 616-622.
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76. Aorta-to-left ventricle Tunnel Associated with Non-compaction Left Ventricle. A. Sadeghpour, MM. Peighambari, M. Dalirrooyfard, **M. Esmaeilzadeh**, F. Noohi, M. Maleki, SZM. Ojaghi Haghghi, N. Samiei. J Am Soc Echocardiogr 2006; 19 (8):1073. e1-e5.
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81. Hemodynamic evaluation of Mitral Stenosis Before and After PTMC Using Stress Doppler Echocardiography. **M. Esmaeilzadeh**, F. Noohi, M. Maleki, A. Mohebbi, SZM. Ojaghi, IHJ winter 2004; 5(4): 19-23.
82. Bronchogenic Cyst Presenting as a Large Unilocular Left Atrium Mass. A. Sadeghpour, M. Maleki, F. Noohi, SZ. Ojaghi Haghghi, **M. Esmaeilzadeh**, A.Safaei, S. Hosseini, IHJ Spring 2003; 4(1): 74-76.
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CD

1. "A Practical Approach in Echocardiography, Volume 1: Infective Endocarditis", **M. Esmailzadeh**, M. Maleki, F. Noohi, H. RHC, 2007, Tehran, IRAN, ISBN; 978-964-04-0659-1

BOOK

1. Angina Pectoris: ISBN 978-953-307-359-0, Chapter 7: Alternative Non-Medical, Non-Surgical Therapies for the Treatment of Angina Pectoris. **M. Esmailzadeh**, B. Moradi, N. Naderi

TEACHING COURSES

1. 16th Annual Canadian Echo Weekend, April 10-12th 2014, Toronto, ON, Canada
2. The First Symposium of Cardiovascular Manifestations of Collagen Vascular Disease, Tehran, Iran, 16 April 2013.
3. The First Symposium of Rajaie Cardiovascular Medical and Research Center on Hypertension, Tehran, Iran, 29 March 2013.
4. 2nd Seminar of Cardiovascular Problem in Pregnancy focus on Pregnancy and Congenital Heart Disease, Tehran, Iran, November 2012.
5. 1st Iranian Cardiovascular Joint Congress, Tehran, Iran, 25-28 October 2012.
6. 5th Seminar of Iranian Society of Echocardiography. Tehran, Iran, 25-26 October 2012.
7. 4th Seminar of Iranian Society of Echocardiography. Tehran, Iran, 27-28 October 2011.
8. 8th International Congress of Update in Cardiology and Cardiovascular Surgery, Antalya, Turkey, 1-3 March 2012.
9. 4th Symposium of Heart Valve Disease, Tehran, Iran, 25-26 February 2012.
10. Euroecho & other imaging modalities 2011, Annual Meeting of the European Association of Echocardiography, Budapest, Hungary, 7-10 December 2011.
11. The Third Biannual International Heart Failure Summit. Tehran, Iran, 2-4 November 2011.
12. 1st Seminar of Cardiovascular Problem in Pregnancy focuses on Pregnancy and Heart Valve Disease, Tehran, Iran, June 2011.
13. Advanced Echocardiography Symposium, St. Wolfgang, Austria, 20-24 June, 2011.
14. Workshop on "The Quantitative Hemodynamic Laboratory". St. Wolfgang, Austria, 18-19 June, 2011.
15. 17th Congress of Iranian Heart Association. Tehran, Iran, 10-13 May 2011.
16. Euroecho 2010, Annual Meeting of the of European Association of Echocardiography, Copenhagen, Denmark, 7-11 December 2010.
17. Third Symposium of Iranian Society of Echocardiography on Advanced Echocardiography, Rajaie Cardiovascular Medical and Research Center, Tehran, Iran February 2010.
18. 3rd Echocardiography Symposium of Shaheed Rajaei Cardiovascular, Medical & Research Center, Tehran, Iran, April 2009.
19. 2nd Symposium of Iranian Society of Echocardiography on Tissue Doppler Imaging, Tehran Heart Center, Tehran, Iran, January 2009.
20. Euroecho 2008, the twelfth annual Meeting of the European Association of Echocardiography, Lyon, France, 10-13 December 2008.
21. 16th Congress of IHA in Collaboration with American College of Cardiology, 18-21 November 2008, Tehran, Iran.
22. 2nd Echocardiography Symposium of Rajaei Cardiovascular, Medical & Research Center, Tehran, Iran, May 2008.
23. 4th Asian Pacific Congress of Heart Failure (APCHF), Melbourne, Australia, 31 January - 3 February 2008.

24. 16th Asian Pacific Congress of Cardiology (APCC), Taipei, Taiwan, December 13-16, 2007.
25. 8th Advanced Echocardiography Symposium, St.Wolfgang, Austria, 25-29 June, 2007.
26. Integrated cardiac Imaging workshop, St.Wolfgang, Austria, 23-25 June, 2007.
27. 1st Echocardiography Symposium of Rajaie Cardiovascular, Medical & Research Center, Tehran, Iran, May 2007.
28. Heart Failure Symposium, Shaheed Beheshti Medical Science University, Tehran, Iran, Feb 2007.
29. Euroecho 10th, Annual Congress of European Society of Echocardiography, Prague, Czech Republic, 2006.
30. Iranian Society of Cardiac Surgeons, Mitral Valve Repair, Tehran, 2005.
31. Euroecho 9th, Annual Congress of European Society of Echocardiography, Florence, Italy 2005.
32. 16th Annual Congress of American Society of Echocardiography, Boston, USA, 2005.
33. Euroecho 8th, Annual Congress of European Society of Echocardiography, Greece, 2004.
34. 8th World Congress of Echocardiography, Antalya, Turkey, 2004.
35. Euroecho 7th, Annual Congress of European Society of Echocardiography, Barcelona, Spain, 2003.
36. Workshop of Tissue Doppler Echocardiography, Dubai, UAE, 2003.
37. Euroecho 6th, Annual Congress of European Society of Echocardiography, Munich, Germany, 2002.

CME

1. The First Symposium of Cardiovascular Manifestations of Collagen Vascular Disease.16 April 2013,Tehran, **Iran, Invited Lecturer.**
2. The First Symposium of Rajaie Cardiovascular Medical and Research Center on Hypertension, 29 March 2013, Tehran, **Iran, Invited Lecturer.**
3. 2nd Seminar of Cardiovascular Problem in Pregnancy focus on Pregnancy and Congenital Heart Disease, November 2012, Tehran, **Iran, Invited Lecturer.**
4. 5th Seminar of Iranian Society of Echocardiography, 25-26 October 2012, Tehran, **Iran, Invited Lecturer.**
5. 1st Iranian Cardiovascular Joint Congress, 25-28 October 2012, Tehran, **Iran, Invited Lecturer.**
6. 8th International Congress of Update in Cardiology and Cardiovascular Surgery, 1-3 March 2012, Antalya, **Turkey, Invited Lecturer.**
7. 4th Symposium of Heart Valve Disease, 25-26Feb 2012, Tehran, **Iran.**
8. Euroecho & other imaging modalities 2011, annual Meeting of the European Association of Echocardiography, 7-10 December 2011, Budapest, **Hungary.**
9. The Third Biannual International Heart Failure Summit. 2-4 Nov. 2011, Tehran, **Iran, Invited Lecturer.**
10. 4th Seminar of Iranian Society of Echocardiography,27-28 Oct 2011, Tehran, **Iran, Invited Lecturer.**
11. 1st Seminar of Cardiovascular Problem in Pregnancy, Pregnancy and Aortic Valve Disease, June 2011,Tehran,**Iran, Invited Lecturer.**
12. Advanced Echocardiography Symposium, 20-24 June, 2011, St.Wolfgang, **Austria.**
13. Workshop on "The Quantitative Hemodynamic Laboratory". 18-19 June, 2011, St.Wolfgang, **Austria.**
14. 17th Congress of Iranian Heart Association,10-13 May 2011, Tehran, **Iran, Invited Lecturer, panelist.**
15. Euroecho 2010, Annual Meeting of the European Association of Echocardiography, 7-11 December, Copenhagen, **Denmark.**
16. 3rd Symposium of Iranian Society of Echocardiography on Advanced Echocardiography, Rajaei Cardiovascular Medical and Research Center, Feb 2010, Tehran, **Iran, Invited Lecturer.**
17. 3rd Echocardiography Symposium of Rajaei Cardiovascular, Medical & Research Center, April 2009, Tehran, **Iran,**

Invited Lecturer.

18. 2nd Symposium of Iranian Society of Echocardiography on Tissue Doppler Imaging, Tehran Heart Center, Jan 2009, Tehran, **Iran, Invited Lecturer.**
19. Euroecho 2008, The Twelfth Annual Meeting of the European Association of Echocardiography, 10-13 December, Lyon, **France.**
20. 16th Congress of IHA in Collaboration with American College of Cardiology, 18-21 November 2008, Tehran, **Iran.**
21. 2nd Echocardiography Symposium of Rajaei Cardiovascular, Medical & Research Center, May 2008, Tehran, **Iran, Invited Lecturer.**
22. 4th Asian Pacific Congress of Heart Failure (APCHF), 31 January - 3 February 2008, Melbourne, **Australia .**
23. 1st Symposium of Iranian Society of Echocardiography on Stress Echocardiography, Rajaei Cardiovascular, Medical & Research Center, Jan 2008, Tehran, **Iran, Invited Lecturer.**
24. 16th Asian Pacific Congress of Cardiology (APCC), December 13-16, 2007, Taipei, **Taiwan.**
25. 5th International Congress of Cardiac Surgery, Nov 2007, Tehran, **Iran.**
26. 5th International Congress of Intensive Care Medicine, 24-26 October, 2007, Tehran, **Iran.**
27. 8th Advanced Echocardiography Symposium, 25-29 June, 2007, St.Wolfgang, **Austria.**
28. Integrated cardiac Imaging workshop, 23-24 June, 2007, St.Wolfgang, **Austria.**
29. 1st Echocardiography Symposium of Rajaei Cardiovascular, Medical & Research Center, May 2007, Tehran, **Iran, Invited Lecturer.**
30. 1st Heart Failure Symposium, Shaheed Beheshti Medical Science University, Feb 2007, Tehran, **Iran, Invited Lecturer.**
31. Euroecho 10th, Annual Congress of European Society of Echocardiography, 2006, Prague, **Czech Republic.**
32. 15th Congress of IHA in Collaboration with French Society of Cardiology and French Thoracic and Cardiovascular Surgery, 2006, Tehran, **Iran.**
33. Iranian Society of Cardiac Surgeons, Mitral Valve Repair, 2005, Tehran, **Iran.**
34. Euroecho 9th, Annual Congress of European Society of Echocardiography, 2005, Florence, **Italy.**
35. 16th Annual Congress of American Society of Echocardiography, 2005, Boston, **USA.**
36. Euroecho 8th, Annual Congress of European Society of Echocardiography, 2004, **Greece.**
37. 14th Congress of IHA in Collaboration with British Cardiac Society, 2004, Tehran, **Iran.**
38. 8th World Congress of Echocardiography, 2004, Antalya, **Turkey.**
39. Euroecho 7th, Annual Congress of European Society of Echocardiography, 2003, Barcelona, **Spain.**
40. Workshop of Tissue Doppler Echocardiography, 2003, Dubai, **UAE.**
41. Euroecho 6th, Annual Congress of European Society of Echocardiography, 2002, Munich, **Germany.**
42. 13th International Congress of IHA in collaboration with the University of Vienna, 2002, Tehran, **Iran.**
43. 12th Congress of IHA in collaboration with Mayo Clinic and The Cleveland Clinic Foundation, 2000, Tehran, **Iran.**
44. 11th Iranian Congress of Cardiology, 1998, Tehran, **Iran.**
45. 10th Iranian Congress of Cardiology, 1997, Tehran, **Iran.**
46. 9th Iranian Congress of Cardiology, 1996, Tehran, **Iran.**
47. 8th Iranian Congress of Cardiology, 1995, Tehran, **Iran.**
48. 7th Iranian Congress of Cardiology, 1994, Tehran, **Iran.**
49. 6th Iranian Congress of Cardiology, 1993, Tehran, **Iran.**
50. 5th Iranian Congress of Cardiology, 1992 Tehran, **Iran.**

