

Mehrnoush Toufan Tabrizi, MD, FASE

Shaheed Madani Cardiovascular Center, Daneshgah Ave, Tabriz, Iran.

+98-914-311-1284 * mtoufan@gmail.com

Education

- **Observership in Echocardiography:** Department of Echo-Cardiology, University Heart Center Zurich (2018)
- **Fellowship:** Perioperative Trans-Oesophageal Echocardiography and Stress Echocardiography.
 - St. George's Hospital and Medical School, London, England (October 2003 - December 2003)
- **Fellowship:** Echocardiography, Iran University of Medical Sciences (June 2002 - October 2003)
- **Resident / Board Certification:** Cardiology, Tabriz University of Medical Sciences (1994 - 1998)
- **Doctor of Medicine (M.D.):** Tabriz University of Medical Sciences, Tabriz, Iran (1987 - 1994)

Attended Training Programs

- Women Transforming Leadership, University of Oxford - Said Business School, 2015.
- Multi-dimensional, 4D Echocardiography teaching course, 2009.
- Fellow of College of Asian Pacific society of cardiology, 2007.
- Attendance in Adult Echocardiography (British Society of Echocardiography) accreditation Exam, 2003.

Academic and Professional Appointments

- **Founder and Director** of the fellowship of echocardiography program, Tabriz University of Medical Sciences (2014-present)
- **Associate Dean for Education**, Cardiology Department, Tabriz University of Medical Sciences (2017- present)
- **Professor of Cardiology**, Tabriz University of Medical Sciences (2013-present)
- **Director of Cardio obstetric Ward**, Shaheed madani Heart center (2012-present)
- **Director of Echocardiography** Department in Shaheed Madani Heart Center (2003-present)
- **Associate Professor of Cardiology**, Tabriz University of Medical Sciences (2008-2013)
- **Assistant Professor of Cardiology**, Tabriz University of Medical Sciences (1998-2008)

Teaching and Mentoring

- Advised and co-advised more than 40 medical and cardiology student theses.
- Mentoring all fellows of Echocardiography at Tabriz University of Medical Sciences.
- Teaching Medical students, Course of Pathophysiology of Cardiovascular Disease(1998-present)
- Teaching Cardiology Residents in field of Cardiology and Echocardiography (1998-present)
- Teaching and supervision of Echocardiography Fellowship students (2015-present)

Honors and Awards

- **Awarded “Exemplary Professor of Cardiology”** Tabriz University of Medical Sciences, 2021.
- **Awarded “Doctor of the Year”** title in Iran, 2018.
- **Accepted** as a Fellow of the American Society of Echocardiography(FASE), 2016.
- **Admitted** to Women Transforming Leadership program, Said Business School, Oxford University, 2015.
- The **first female cardiologist** in Tabriz University of Medical Sciences to become a full professor, 2013.
- The **first cardiologist from Tabriz** to successfully complete an Echocardiography fellowship.
- The **first echocardiologist in Iran** to get promoted to full professor.

- **Founder and Director** of the Cardio-Obstetric ward (high risk pregnancy)
- **Supervised more than 40** cardiology and internist residency theses.
- **Best Researcher** of medical faculty of Tabriz University of Medical Sciences, 2009.
- **More than 120 invited talks** in different universities in Iran.
- **Director** of cardiology Residency promotional exam in Tabriz University Medical Science (2012-present)
- Member of the first Board of director of Iranian Society Of Echocardiography (2007-2010)

Publications and Invited Talks (Citations: 566, h-index: 12, i10-index: 17)¹

Books

1. Co-author of ‘**National Guidelines on the management of cardiovascular disease during pregnancy**’
2. Handbook of CCU (2001) English to Persian.

Papers

1. **M Toufan**, Z Jabbari, NK Aghdam. Two-dimensional-Wilkins and real-time transesophageal three-dimensional scoring systems: Which one is preferred to mitral valve morphological assessment? *Asian Cardiovascular and Thoracic Annals*, 30(4), 416-424. 2022.
2. L Emrahi, H Hosseinzadeh, **M Toufan**. Two rare variants in the MYBPC3 gene associated with familial hypertrophic cardiomyopathy. *Gene Reports*, 26, 101471. 2022.
3. **M Toufan**, H Faraji Azad, N Khezerlouy-Aghdam, H Sakha Measurement of mitral valve area by direct three dimensional planimetry compared to multiplanar reconstruction in patients with rheumatic mitral stenosis. *The International Journal of Cardiovascular Imaging*, 1-9. 2022.
4. Z Jabbari, **M Toufan**. Giant descending aortic pseudo-aneurysm in an adult man with uncorrected aortic coarctation. *The Egyptian Heart Journal*, 73(1), 1-5. 2021.
5. **M Toufan**, N Khezerlou-Aghdam, S Masoumi, M Dehghan, A Akhgari. Biatrial Myxoma with a Shared Stalk: A Case Report. *Journal of Tebran University HeartCenter*, 16(4), 174. 2021.
6. L Emrahi, **M Toufan**. New mutation in the NEBL gene in a family with Hypertrophic cardiomyopathy: Complexity of whole exome sequencing results interpretation. *Medical Journal of Tabriz University of Medical Sciences*, 43(4), 323-334. 2021.
7. L Emrahi, S Shahbazi, **M Toufan**, M Mortazavipour, M Seyyedi. MYBPC3Δ25bp intronic deletion in hypertrophic cardiomyopathy patients and healthy Iranian population. *Medical Journal of Tabriz University of Medical Sciences*, 43(1), 22-28. 2021.
8. DPS Osborn, L Emrahi, J Clayton, **M Toufan**, AYB Wan, R Maroofian, H Tajsharghi. Autosomal recessive cardiomyopathy and sudden cardiac death associated with variants in MYL3. *Genetics in Medicine*, 23 (4), 787-792. 2021.
9. **M Toufan**, Z Jabbari. Impact of Left Atrial Volume Index on Discrepancy in Mitral Valve Area Assessed by Two-Dimensional Planimetry and Three-Dimensional Multi-Planar Reconstruction Technique. *Iranian Red Crescent Medical Journal (IRCMJ)*, 23(8). 2021.
10. **M Toufan**, NK Aghdam, Z Jabbari. Validation of New Real-Time Three-Dimensional Transesophageal Echocardiographic Scoring System in Prediction of Immediate and Long-term Outcome After Percutaneous Balloon Mitral Valvuloplasty. *Advances in Bioscience and Clinical Medicine*, 9(1), 48-49. 2021.
11. DPS Osborn, L Emrahi, **M Toufan**, M Yazdchi, N Mazaheri, A Mitchell, Y Jamshidi. Biallelic variants in MYL3 cause autosomal recessive cardiomyopathy. *European Journal of Human Genetics (Vol. 28, No. SUPPL 1, pp. 279-279)*. 2020.
12. **M Toufan**. Evaluation of functional indices of leftventricular wall layers using layer-specific strain analysis in

¹ <https://scholar.google.com/citations?user=fHSNlOoAAAAJ>

normotensive and hypertensive patients. *Authorea Preprints*. 2020.

13. **M Toufan**, NK Aghdam, VS Raberi. Assessment of Strain Changes in the Triple Layers of Left Ventricle in Normotensive Versus Hypertensive Patients. *Advances in Bioscience and Clinical Medicine*, 8(1), 20-21. 2020.
14. S Ghaffari, A Molaei, AJ Khosroshahi, R Salehi, **M Toufan**, M Samadi. New solution for old challenge: Device closure of non-centrally positioned atrial septal defect. *Journal of Cardiovascular and Thoracic Research*, 12(3), 231. 2020.
15. **M Toufan**, N Khezerlouy-Aghdam, VS Raberi, A Khosroshahi. Aortic shelf as a normal variant diagnosed primarily as the aortic dissection: A case report. *Journal of Cardiovascular and Thoracic Research*, 12(3), 234. 2020.
16. S Hadi, **M Toufan**, A Separham, M Hoseinalizade, M Sadeghi, R Parizad. Prevalence and predictors of left ventricle regional wall motion abnormality 6 Weeks after primary percutaneous intervention in patients with first acute anterior myocardial infarction. *Crescent J Med Biol Sci*, 7(1). 2020.
17. E Javanshir, SR Sadat-Ebrahimi, R Parvizi, **M Toufan**, H Sate. Giant mass but small symptoms; huge thrombosis in the right atrium originating from the superior vena cava and protruding to the right ventricle: a case report. *Journal of Medical Case Reports*, 13(1), 1-6. 2019.
18. N Aslanabadi, A Separham, LV Hiagh, FK Shayan, **M Toufan**, S Ghaffari, E Enamzadeh. Reply to: Comment on "Association of mean platelet volume with echocardiographic findings in patients with severe rheumatic mitral stenosis". *Journal of Cardiovascular and Thoracic Research*, 11(4), 329-329. 2019.
19. **M Toufan**, L Pourafkari, A Baghbani-Oskouei, ND Nader. Left ventricular non-compaction in a patient with Shone's complex. *Türk Kardiyol Dern Ars*, 47(6), 503-506. 2019.
20. A Separham, L Pourafkari, B Kazemi, Y Haghizadeh, F Akbarzadeh, **M Toufan**, ND Nader. Vitamin D deficiency and functional response to CRT in heart failure patients. *Herz*, 44(2), 147-154. 2019.
21. N Aslanabadi, A Separham, LV Hiagh, FK Shayan, **M Toufan**, S Ghaffari, E Enamzadeh. Association of mean platelet volume with echocardiographic findings in patients with severe rheumatic mitral stenosis. *Journal of Cardiovascular and Thoracic Research*, 11(2), 95. 2019.
22. **M Toufan**, NK Aghdam. The most accurate method for measurement of mitral valve area in mitral stenosis by direct planimetry three dimensional transesophageal echocardiography (3D TEE). *Advances in Bioscience and Clinical Medicine*, 6(4), 33-33. 2018.
23. L Pourafkari, A Baghbani Oskouei, **M Toufan**, S Ghaffari, ND Nader. Hypoplastic posterior mitral valve leaflet: A case report and review of the literature. *Echocardiography*, 35(7), 1052-1055. 2018.
24. **M Toufan**, F Sepasi, A Alizadeh, R Azarfarin. Anesthesia for coronary artery bypass grafting with hypothermic cardiopulmonary bypass in a patient with a A2B negative Blood Group. *International Cardiovascular Research Journal*, 1(3) 2018.
25. **M Toufan**, S Hadi, A Habibzadeh, "Evaluation of relationship between bicuspid aortic valve phenotype with valve dysfunction and associated aortopathy." *Journal of Cardiovascular and Thoracic Research* 10.4 (2018): 236.
26. Hossinzadeh, Rozita, Razieh Parizad, **M Toufan**, Zeinab Ghasemian Khojasteh, and Nava Ainehchi. "Prevalence of Heart Diseases in Pregnant Women Referred to the Heart Diseases Clinic for Obstetrics." *Cities* 62 (2018): 55-8.
27. **M Toufan**, Ashouri D, "The Most Accurate and Fastest Method for Measurement of Vena Contracta Area by Direct Planimetry 3D Transesophageal Echocardiography." *Advances in Bioscience and Clinical Medicine* 6, no. 3 (2018): 29-29.
28. Hosseinzadeh, Rozita, Zeinab Ghasemian Khojasteh, **M Toufan**, Simin Tagavi, Azam Asghari, and Razieh Parizad Khatooni. "Prevalence of Mitral Valve Disease in Pregnancy and its Effects on Maternal-Fetal Outcomes." *Cities* 72 (2018): 86-4.
29. Ghaffari S, Ranjbar A, Hajizadeh R, Parvizi R, **M Toufan**, and Sohrabi B, "Association of Significant Mitral Regurgitation and Left Ventricular Dysfunction With ALCAPA Syndrome in a Young Patient." *Crescent Journal of Medical and Biological Sciences* 5, no. 1 (2018): 67-68.
30. Pourafkari, Leili, A Baghbani-Oskouei, **M Toufan**, Samad Ghaffari, and Nader D. Nader. "Hypoplastic posterior mitral valve leaflet: A case report and review of the literature." *Echocardiography* (2018).

31. **M Toufan**, Leili Pourafkari, Leila Ghahremani Nasab, Ali Esfahani, Zohreh Sanaat, Alireza Nikanfar, and Nader D. Nader. "Two-dimensional strain echocardiography for detection of cardiotoxicity in breast cancer patients undergoing chemotherapy." *Journal of cardiovascular and thoracic research* 9, no. 1 (2017): 29.
32. A Separham, L Pourafkari, B Kazemi, Y Haghizadeh, F Akbarzadeh, **M Toufan**, H Sate, ND Nader, 2017. Vitamin D deficiency and functional response to CRT in heart failure patients.
33. **M Toufan**, Babak Kazemi, and Negin Molazadeh. "The significance of the left atrial volume index in prediction of atrial fibrillation recurrence after electrical cardioversion." *Journal of cardiovascular and thoracic research* 9, no. 1 (2017): 54.
34. **M Toufan**, L Pourafkari, A Afrasiabi, M Sohrabi, ND Nader. Left atrial appendage aneurysm presenting with chronic cough' *Netherlands Heart Journal* 25 (9), 526-527
35. **M Toufan**, Leili Pourafkari, and Nader D. Nader. "Right ventricular perforation as a complication of fluoroscopy-guided pericardiocentesis." *Revista portuguesa de cardiologia: orgao oficial da Sociedade Portuguesa de Cardiologia*, Portuguese journal of cardiology: an official journal of the Portuguese Society of Cardiology 36, no. 6 (2017): 479.
36. L Pourafkari, S Ghaffari, B Nasiri, **M Toufan**, ND Nader, "Chronic traumatic pseudoaneurysm of the ascending aorta," *Kardiologia polska* 74 (6), 600-600, 2016.
37. **M Toufan**, L Pourafkari, ND Nader, "Isolated accessory mitral valve leaflet İzole aksesuar mitral kapakçık" *Türk Kardiyol Dern Ars*, 44 (6), 534, 2016.
38. **M Toufan**, L Pourafkari, S Boudagh, ND Nader, "Epi-aortic fat pad area: A novel index for the dimensions of the ascending aorta." *Vascular Medicine*, 1358863X16639387, 2016.
39. **M Toufan**, L Pourafkari, R Parvizi, B Shokouhi, ND Nader, "An unusual cause of severe tricuspid stenosis." *Türk Kardiyol Dern Ars*. Jan; 44(1):89, 2016.
40. **M Toufan**, and S S Mahmoudi. "Isolated Quadricuspid Aortic Valve." *Archives of Cardiovascular Imaging* 3.4 (2016).
41. **M Toufan**, Seyyed Sajad Mahmoudi, "Isolated parachute Mitral Valve in a 29 years old female; A case report," *Accepted for publication, J of CardiovascularThoracic Research*, 2016.
42. **M Toufan**, L Pourafkari, ND Nader, "'Teapot' in the Heart," *Indian Heart Journal*, 2016.
43. **M Toufan**, S Ghaffari, L Pourafkari, ND Nader, "Case images: Left circumflex artery aneurysm with fistula to coronary sinus associated with severe mitral regurgitation," *Türk Kardiyoloji Dernegi arsivi: Türk Kardiyoloji Derneginin yayin organidir*, 2016.
44. **M Toufan** et al, (2015) "Systolic longitudinal function of the left ventricle assessed by speckle-tracking in heart failure patients with preserved ejection fraction," *The Journal of Tehran University Heart Center*, 2015.
45. B Sohrabi, B Kazemi, A Mehryar, A Teimouri-Dereshki, **M Toufan**, and N Aslanabadi, (2015) "Correlation between Pulmonary Artery Pressure Measured by Echocardiography and Right Heart Catheterization in Patients with Rheumatic Mitral Valve Stenosis (A Prospective Study)" *Echocardiography*, 2015.
46. N Aslanabadi, I Jafaripour, **M Toufan**, B Sohrabi, A Separham, R Madadi, H Feazpour, Y Asgharzadeh, M Ahmadi, A Safaiyan, S Ghafari, "The Effects of Percutaneous Mitral Balloon Valvuloplasty on the Left Atrial Appendage Function in Patients With Sinus Rhythm and Atrial Fibrillation," *Journal of cardiovascular and thoracic research*, 7 (1) , 32, 2015.
47. **M Toufan**, S Mohammadzadeh Gharebaghi, L Pourafkari, A Habibzadeh, P Chaichi, E Delir Abdollahi (2015) "Clinical and echocardiographic findings in old and young patients with left ventricle diastolic dysfunction and normal ejection fraction," *Arak Medical University Journal (AMUJ) Original Article* 2015, 17(93): 19-25.
48. M Niafar, **M Toufan**, N Milanchian, F Niafar, KS Nia (2015), "Acute Pulmonary Edema in Patients with Cushing's Syndrome" *Advances in Bioscience and Clinical Medicine* 3 (1), 56-59, 2015.
49. M cheraghrou, B Kazemi, **M Toufan**, N Safaie, (2014) "Right atrial dyssynchrony and Atrial Fibrillation after coronary Bypass Graft Surgery: Right atrial dyssynchrony and atrial fibrillation," *Journal of Analytical Research in Clinical Medicine* 2 (3), 2014.

50. B Sohrabi, A Separham, R Madadi, **M Toufan**, N Mohammadi (2014) "Difference Between Outcome of Left Circumflex Artery and Right Coronary Artery Related Acute Inferior Wall Myocardial Infarction in Patients Undergoing Adjunctive Angioplasty after Fibrinolysis," *Journal of cardiovascular and thoracic research*, 6 (2), 101, 2014.
51. **M Toufan**, H Namdar, M Abbasnezhad, A Habibzadeh, H Esmaeili, (2014) "Diagnostic Values of Plasma, Fresh and Frozen Urine NT-proBNP in Heart Failure Patients," *Journal of cardiovascular and thoracic research*, 6 (2), 111, 2014.
52. MC Raziieh Parizad, **M Toufan** (2014) "Maternal Health and Early Outcome in Pregnant Woman with Eisenmenger's Syndrome and Ebstein Anomaly," *International Journal of Women's health and Reproduction Sciences*, 2 (1), 149-152, 2014.
53. **M Toufan**, A Separham, L Pourafkari, (2014) "Delayed Left Atrial Dissection After Aortic Valve Replacement," *Asian Cardiovascular and Thoracic Annals*, 2014.
54. **M Toufan**, A Ranjbar, R Parizad (2014) "Recurrent Abortion in a Patient with Ebstein Anomaly: Case Report and Literature Review," *International Journal Of Women's Health and Reproduction Sciences*, 2 (4), 269-271, 2014.
55. **M Toufan**, R Salehi, A Alizadehasl, S Ghaffari, B Sohrabi, A Manafi, (2014) "Mitral Regurgitation after Percutaneous Balloon Mitral Valvotomy in Patients with Rheumatic Mitral Stenosis: A Single-Center Study," *The Journal of Tebran University Heart Center*, 9 (3), 2014.
56. **M Toufan**, L Pourafkari, F Akbarzadeh, ND Nader, (2014) "A case of right atrial appendage aneurysm mimicking a pericardial cyst on echocardiogram," *Echo Research and Practice*, 1 (1), K5-K8, 2014.
57. A Jodati, B Kazemi, N Safaei, **M Toufan**, (2013) "A Ball in the Heart: An Interesting Discovery in a Very Rare Cardiac Tumor," *Journal of Cardiovascular and Thoracic Research*, 5 (2), 77, 2013.
58. K Ansarin, **M Toufan**, H Namdar, J Etemadi, A Habibzadeh, M Valinejad (2013) "Relation between exhaled nitric oxide and left ventricular performance in chronic hemodialysis patients," *Renal Failure* 36 (1), 35-38, 2013.
59. H Djavadzadehgan, **M Toufan**, K Mohammadi (2013) "Comparison of left ventricle segments contraction pattern by 3-dimensional speckle tracking echocardiography in Right ventricular apical pacing with Right ventricular septal pacing," *Journal of American Science*, 9 (11s), 2013.
60. H Javadzadegan, **M Toufan**, AR Sadighi, JM Chang, ND Nader, (2013) "Comparative effects of surgical and percutaneous repair on P-wave and atrioventricular conduction in patients with atrial septal defect-ostium secundum type," *Cardiology in the Young*, 23 (01), 132-137, 2013.
61. F Akbarzadeh, **M Toufan**, B Kazemi Arbat, A Abbasnejad (2013) "Comparing the Triple-Chamber Pacemakers Programming with Echocardiographic Index and Manufacturers Recommended Settings," *Medical Journal of Tabriz University of Medical Sciences & Health* Vol. 35 Issue 4, p 18, Nov, 2013.
62. **M Toufan**, F Akbarzadeh, M Arabmaleki, (2013) "Association Between Echocardiographic Indices and Post Coronary Artery Bypass Graft Surgery Atrial Fibrillation," *Archives of Cardiovascular Imaging*, 1 (2), 58-62, 2013.
63. **M Toufan**, R Shah Valizadeh, M Khalili (2012) "Myocardial infarction in a patient with left ventricular noncompaction: a case report," *Int. J Gen Med* 5, 661-665, 2012.
64. **M Toufan**, R Azarfari, B Sadati, SEJ Golzari (2012) "The Association Between Epicardial Adipose Tissue and Coronary Artery Disease: an Echocardiographic Cut-off Point," *Journal of Cardiovascular and Thoracic Research* 4 (2), 31, 2012.
65. **M Toufan**, B Kazemi, F Akbarzadeh, A Ataei, M Khalili (2012) "Assessment of electrocardiography, echocardiography, and heart rate variability in dynamic and static type athletes," *International Journal of General Medicine*, 5, 655-660, 2012.
66. **M Toufan** , R Javadrashid, N Paak, M Ghojzadeh, M Khalili (2012) "Relationship Between Incidentally Detected Calcification of the Mitral Valve on 64-Row Multidetector Computed Tomography and Mitral Valve Disease on Echocardiography," *International Journal of General Medicine*, 5, 839, 2012.
67. **M Toufan**, A Jodati, N Safaei, B Kazemi, L Pourafkari (2012) "Myxomas in All Cardiac Chambers,"

Echocardiography 29 (10), E270-E272, 2012.

68. J Etemadi, H Zolfaghari, R Firoozi, MR Ardalan, **M Toufan**, MM Shoja (2011) "Unexplained pulmonary hypertension in peritoneal dialysis and hemodialysis patients," *Revista Portuguesa de Pneumologia*, 2011.
69. A Jodati, N Safaei, **M Toufan**, B Kazemi (2011) "A Unique Nail Gun Injury to the Heart with a Delayed Presentation," *Interactive cardiovascular and thoracic surgery* 13 (3), 363-365, 2011.
70. **M Toufan**, D Ashouri, B Mohammadi, Z Golmohammadi (2011) "Prediction of Severity of Coronary Stenosis in the Absence of Infarction by Tissue Doppler Imaging and Conventional Echocardiography at Rest," *Journal of Cardiovascular and Thoracic Research* 1, 11-15, 2011.
71. M Tarzamani, **M Toufan**, (2011) "Superior Vena Cava Syndrome caused by Mediastinal Calcified Lymphadenitis (case report)," *Medical Journal of Tabriz University of Medical Sciences* 2011.
72. A Asl, B Mohebbi, **M Toufan**, Maryam Esmailzadeh (2011) "Fragmented QRS Complex in Acute Anterior Myocardial Infarction and Coronary Sinus Blood Flow: Is There any Relevance?" *Official Quarterly Publication of the Iranian Heart Association*, 2011.
73. Alizadeh Asl, F Sepasi, **M Toufan** (2011) "Risk Factors clinical manifestations and outcome of Acute Myocardial Infarction in young patients," *J Cardiovascular Thoracic Res*, vol.2:29-34, 2011.
74. **M Toufan** et al, (2011) "Correlation between the RDW and ECG changes and Echocardiographic wall motion score Index in patients with acute myocardial infarction," *Echocardiographic Today and Tomorrow, Symposium on Advanced Echocardiography*, June 22-26, St Wolfgang Austria, 2011.
75. **M Toufan**, A Afrasiabi, L Pourafkari, (2010) "Isolated Cardiac Hydatidosis -- a case report," *Kardiologia Polska* 68 (2), 223-225, 2010.
76. M Aliloo, A Bakhshipour, M Esmaeli, **M Toufan** (2010) "Personality Traits and Coping Styles in Patients with Essential Hypertension," *Medical Journal of Tabriz University of Medical Sciences* 23 (2), 61-66
77. A Alizadeh Asl, F Sepasi, **M Toufan**, (2010) "Risk factors, Clinical manifestations and Outcome of Acute Myocardial Infarction in Young Patients," *J. Cardiovasc Thorac Res* 2 (1), 2010.
78. **M Toufan**, L Pourafkari, (2010) "Isolated Cardiac Hydatid Cyst," *The American Journal of the Medical Sciences* 340 (5), 412, 2010.
79. B Eftekhari Sadat, **M Toufan**, SK Shakouri, S Alavi Milani (2010), "The Effects of Cardiac Rehabilitation on Physical Tolerance in Patients After Coronary Artery Bypass Graft," *Journal of Birjand University of Medical Sciences*, 16 (4), 13-18, 2010.
80. R. Salehi, **M Toufan** (2009) "A Case with Fever of Unknown Origin," *Journal of Cardiovascular and Thoracic Research*, 1 (3), 55-57, 2009.
81. **M Toufan**, A Afrasiabi, (2009) "Benefits of cardiac rehabilitation on lipid profile in patients with coronary artery disease," *Pakistan Journal of Biological Sciences* 12 (19), 1307-1313, 2009.
82. F Nemati Sogolitappeh, M Aliloo, J Babapur Kheyroddin, **M Toufan**, (2009) "Effectiveness of group life skills training on decreasing anxiety and depression among heart patients, after bypass surgery," *Iranian Journal of Psychiatry and Clinical Psychology*, 15 (1), 50-56, 2009.
83. M Niafar, **M Toufan**, S Ghafoori, N Aghamohammadzadeh, (2009) "Subclinical Hypothyroidism Effects On Cardiac Function," *Pakistan Journal Of Biological Science*, 12 (15) 1056-62. 2009.
84. HT Khosroshahi, B Habibi-Asl, **M Toufan**, K Ghabili, S Safarpour (2009) "Effects of Oral L-Carnitine on Cardiac Abnormalities of Maintenance Hemodialysis Patients," *Biomedicine International* 1 (1), 2009.
85. E Bilehjani, **M Toufan**, S Fakhari, (2008) "Anesthesia With Etomidate And Remifentanil For Cesarean Section In A Patient with severe Peripartum Cardiomyopathy," *Middle East Journal of Anesthesiology*, 19 (5), 1141, 2008.
86. **M Toufan**, et al. (2008) "Noninvasive Assessment of Myocardial Perfusion after first myocardial infarction with Transthoracic Echocardiography," *J Teb Univ Heart Center*, 4:237, 2008.
87. F Akbarzadeh and **M Toufan** (2008), Atrioventricular Delays, Cardiac Output and Diastolic Function in patients with implanted Dual Chamber Pacing and Sensing Pacemakers," *Pakistan Journal Of Biological Science*, 11 (20) 2407-2412, 2008.

88. **M Toufan**, F Sepasi, A Alizadeh, R Azarfarin (2008) "Anesthesia for coronary artery bypass grafting with hypothermic cardiopulmonary bypass in a patient with a A2B negative blood group," *International Cardiovascular Research Journal* 1 (3), 185-187, 2008.
89. **M Toufan**, A Sadati (2008) "Massive myocardial calcification in 19 years old man," *Raval Medical Journal*, 33 (2), 260-261, 2008.
90. E Bilehjani, S Fakhari, AA Kianfar, **M Toufan**, (2008) "Total intravenous anesthesia for cesarean section in a patient with corrected TGA with Etomidate and Remifentanyl," *Raval Medical Journal* 33 (1), 123-125, Jun 2008.
91. **M Toufan**, L Shahsar, (2008) "Comparative Study Between Echocardiographic and Catheterization Findings in Patients with Rheumatic Mitral Stenosis," *Journal of Medical Sciences* 8, 209-215.
92. F Akbarzadeh , **M Toufan**, N Afsarpour (2008) "AV Interval and Cardiac Output in patients with Implanted DDD Pacemaker," *Research Journal of Biological Sciences* 3 (12), 1381-1386, 2008.
93. **M Toufan**, AR Sajjadih (2008), "Predictive value of Myocardial Performance Index for cardiac events in patients hospitalized for first Myocardial Infarction," *Research Journal of Biological Sciences*, 3 (6), 589-595, 2008.
94. **M Toufan** et al, (2007) "Study of association between age and Echocardiographic, hemodynamic findings in patients with rheumatic mitral stenosis," *International Journal of Cardiology* December, 2007.
95. S Ghaffari, **M Toufan** (2007) "The value of endothelium dependent vasodilatation in diagnosing coronary artery disease and its comparison with the results of routine diagnostic tests." *Saudi medical journal*, 28 (9), 1344.
96. M K Tarzarni, N Nezami, M R Ardalan, J Etemadi, H Noshad, F G Samani, **M Toufan** (2007) "Serendipitous Diagnosis of Aortic Coarctation by Bilateral Parvus et Tardus Renal Doppler Flow Pattern," *Cardiovascular Ultrasound*, 5, 44, 2007.
97. **M Toufan**, J Samadikhah, A Alizadeh-Asl, R Azarfarin, S H Hakim, A Yaghoubi, S Farzam (2007). "Measurement of coronary sinus blood flow after first anterior myocardial infarction with transthoracic echocardiography and its correlation with wall motion scoring index." *Saudi Medical Journal*, 28(10), 1545-1549. 2007.
98. M Ardalan, J Etemadi, **M Toufan** (2007) "Unexplained Pulmonary Hypertension in Patients on Continuous Ambulatory Peritoneal Dialysis," *EuroPD 2007/Book of Abstracts*.
99. **M Toufan**, F Sepasi, S Asghari, A Fathi, (2007) "A Large Mobile Aortic Arch Mass." *The Journal of Tehran University Heart Center* 2 (2), 117-118.
100. **M Toufan** et al, (2006) "Correlation between Body Mass Index and Regional fat content with Echocardiographic parameters," *Iranian Heart Journal* sup5, 2006.
101. **M Toufan**, R Parvizi, "Role of echocardiography in diagnosis and surgical treatment of Chronic Pulmonary Thromboemboli LPMD," *Journal of Cardiovasc Thorac Research*, 1 (2), 41-44.2009.
102. K Ghabili, KH Tayebi, SMA Mohajel, **M Toufan**, "Effects of the Oral L-Carnitine on the Cardiac Abnormalities of Chronic Hemodialysis Patients" *Iranian Journal of Kidney Diseases (IJKD - Poster Presentation, P220)*, 3 (112), 46-47.
103. K Ansarin, MN Tabrizi, J Ghaemmagami, AR Ostadrahimi, **M Toufan** (2005) "Relationship between body fat content and arterial oxygen tension in mild-moderate obesity." *CHEST Journal* 128, 384S-a-384S, 2005.
104. S Ghaffari, B Sohrabi, **M Toufan**, A Sajjadih Khajouei, A Maneshgar (2005) "Use of Atropine In patients With Incomplete Exercise Stress Test," *The Journal of Heart Disease* July, 200
105. **M Toufan** et al, (2004) "Assessment of level of cardiac troponin I in perioperative status (CABGs) and its relationship with hospital mortality and short-time outcome," *Iranian Heart Journal*, Fall 2004.
106. **M Toufan** et al, (2003), "Effects of cardiac rehabilitation on quality of life in patients post CABGs and inoperable CAD patients," *SMJ*, vol, 24(10), 2003.
107. J Samadikhah, **M Toufan**, "Evaluation of LP (a) level in premonoparal women with CAD (demonstrated by coronary angiography)," *Iranian Heart Journal*, fall 1999.
108. **M Toufan** et al, "Echocardiographic assessment of 154 patients with ASD" presented in *2nd Iran-Arab*

Scientific Community Activities

- Reviewer for Cardiology and Echocardiography Journals.
- Member of American society of Echocardiography.
- Member of European society of Echocardiography (EACVI).
- Member of Iranian Heart Association (IHA).
- Member of Iranian Society of Echocardiography.
- Fellow of Asian Pacific College of Cardiology.
- Member of British society of Echocardiography (2003).
- Associate Editor of Archive Of Cardiovascular imaging journal.
- Member of Advisory Board of Journal Of Cardiovascular Thoracic Research.
- Member of the Research Committee of the Cardiovascular research center of Tabriz University of Medical Sciences.