



CURRICULUM VITAE

Mohammad Hassan Nezafati, M.D.

Associate Professor, Cardiac Surgery
Department of Cardiac Surgery
Faculty of Medicine
Ghaem Hospital
Mashhad University of Medical Sciences
Mashhad, Iran
Tel:+98 (51) 38525307
Fax: +98 (51) 37635535
mhnezafati@yahoo.com
nezafatih@mums.ac.ir
www.ctsnet.org/home/mnezafati

Member of the National Board of Cardiac Surgery (Iran)
Member of the ISMICS membership committee (USA)
Member of the ISMICS program committee (USA)
Cardiac Surgery Section Editor of ARYA Atherosclerosis Journal
(ISI Index)
Editorial board of the Journal Clinics in Surgery- Cardiovascular
Surgery (USA)
(<http://clinicsinsurgery.com/cardiovascularsurgery.php>)
International Society of Minimally Invasive Cardiothoracic Surgery
(ISMICS)
Google Scholar Citation: 182 h-index: 8

- Education:** MD, Mashhad University of Medical Sciences, Iran, 1987
Specialty in General Surgery, Mashhad University of Medical Sciences, Iran, 1992
Sub Specialty in Cardiac Surgery, Piere Marrie Curie University, Paris, France, 1996
- Scholarships** Full Scholarship Granted by the Iranian Ministry of Health and Medical Education to complete a Postgraduate Program of Cardiac Surgery in France
Four Month Scholarship Granted by the Government of France to complete a Proficiency Course in French Language at Clermond Ferant, Vichy, France
- Careers** Assistant Professor, Cardiac Surgery, Ghaem General Hospital, Mashhad University of Medical Sciences (1996 – 2002), Cardiac Surgery, Emam Reza General Hospital, Mashhad University of Medical Sciences (2002 – 2006)
- Fellowships:** Associate Professor, Cardiac Surgery, Emam Reza General Hospital, Mashhad University of Medical Sciences (2006 – Now)
Adult Cardiac Surgery, under the supervision of Prof. Gandjbakhch, Pitie Hospital, Paris, France, 1992-1995
Pediatic Cardiac Surgery, under the supervision of Prof. Planche, Marie-Lann Longue, Paris southern University, 1995-1996
Cardiac Surgery, Under the Supervision of Prof. Sadeghi, CHUV, Lausanne, Switzerland, 1995
Video-Assisted Pediatic Cardiac Surgery, under the Supervision of Prof. Laborde, Mutualist-Montsouris Hospital, Paris, France, 1995
- Appointments & Positions** Founder and Director of Cardiac Surgery Unit, Imam Reza Hospital - Mashhad, Iran , (2002 -2010)
- Founder and Heart Transplantation Team Supervisor, Mashhad University of Medical Sciences – Mashhad – Iran (2002 – 2010)
- Innovations & Achievements** Performance of the First Modern Video Assisted Cardiac Surgery in MUMS,
Performance of the First Video Assisted CABG Operation in MUMS.
Performance of the largest number of Video-Assisted PDA Closure in the World
Performance of the First Heart Transplantation Surgery in Mashhad Univ. of Medical Sciences, 2004
Foundation of Imam Reza Hospital Cardiac Surgery Department including:
1. Operation Theaters Equipped with Video Assistance Facilities
 2. Intensive Care Unit with 6 beds later to 18 beds
 3. Post Intensive Care Unit with 34 beds
 4. Supporting Sections such as Blood Bank, Lab and CSR

Accreditation of Evaluation Taskforce for Cardiac Surgery affiliated with
Specialist Council of Iranian Ministry of Health and Medical Education
Performance of 20000 plus Operations, 1300 cases p/yr

- Professional Experience:** Organizer and Secretary to the First Scientific Congress and Workshop of Profusion, Mashhad, Iran, 2004
- Organizer and Secretary to the Sixth National Congress of Cardiac Vascular Updates, Mashhad, Iran, 2005
- 1st Laparoscopic Symposium, Lorestan University of Medical Sciences, Khoram Abad, 2000 (Oral Presentation).
- Congress for Supplementary Studies in Neoplasm in Surgery, Tabas, 1998 (Oral Presentation)
- 11th National Congress of Iranian Cardiovascular Society, Tehran, 1992 (Oral Presentation)
- 1st Symposium of Cardiac Assist Devices, Tehran, 2002 (Oral Presentation)
- 2nd Congress of Coronary Cardiac Surgery, Mashhad, 1998 (Oral Presentation)
- Symposium of Supplementary Studies for Internists, Mashhad, 1992 (Oral Presentation)
- 3rd Laparoscopic Symposium, Tehran, 2004 (Oral Presentation)
- Symposium of Supplementary Studies for General Surgeons, Mashhad, 1999 (Oral Presentation)
- Symposium of Supplementary Genetics consultations, Mashhad, 2002 (Oral Presentation)
- 3rd National Congress of Cardiovascular Updates, Tehran, 2004 (Oral Presentation)
- Weekly Scientific Seminars, Bu Ali Research Institute, 2004 (Oral Presentation)
- 2nd Congress of Medicine from Islamic Perspectives, Mashhad, 1996 (Oral Presentation)
- 1st National Congress of Cardiovascular Updates, Tehran, 1998 (Oral Presentation)
- 2nd National Congress of Cardiovascular Updates, Tehran, 2000 (Oral Presentation)
- 3rd ISMICS International Congress, Atlanta, USA, 2000 (Oral Presentation)
- 4th ISMICS International Congress, Munich, Germany, 2001 (Oral Presentation)

5th ISMICS International Congress, New York, USA, 2002 (Oral Presentation)
6th ISMICS International Congress, San Francisco, USA, 2003 (Oral Presentation)
7th ISMICS International Congress, London, UK, 2004 (Oral Presentation)
8th ISMICS International Congress, New York, USA, 2005 (Oral Presentation)
Pitie Hospital Annual Meeting and Congress, Paris, France, 2000 (Oral Presentation)
Pitie Hospital Annual Meeting and Congress, Paris, France, 2001 (Oral Presentation)
CTT Annual Congress, Florida, USA, 2002 (Oral Presentation)
15th Mediterranean Congress of Cardiology and Cardiac Surgery, Beirut, Lebanon, 2003 (Oral Presentation)
1st ISMICS Workshop, New Delhi, India, 2002
2nd European Congress of EACTS, Vienna, Austria, 2003
3rd European Congress of EACTS, Germany, 2004
2nd International Cardiovascular Congress, Dubai, UAE, 2002
Video Assisted Cardiac Surgery Workshop, Lyon, France, 1999 (Oral Presentation)
Ottawa Global Cardiac Congress, Ottawa, Canada, 2006 (Oral Presentation)
2nd Iranian Cardiovascular Joint Congress, 2014, Tehran, Iran, 2014 (Oral Presentation)
64th ESCVS Istanbul, Turkey, 2015 (Oral Presentation)

Supervised Dissertations:

- *Early Complications of CABG upon two months after Surgery
- *Cardiac Tumors and Review of Cases in Prevalence in Ghaem and Immam Reza Hospital
- *Evaluation of Radiofrequency Atrial Fibrillation Ablation Techniques
- *Review of Intra Coronary Shunts Effects during Off-Pump CABGs
- *Assessment of Relation between the quality of 72 hour Post Operation Recovery and Life quality 3 months after Surgery
- *Assessment of TOF Operations Results
- *Indications and Aorto-Pulmonary Shunts in Children
- *Assessment of the Results in CABG with and without Cardiopulmonary Bypass
- *Assessment of the Result of Pulmonary Artery Banding in Congenital Heart Diseases with Pulmonary Hypertension
- *Evaluation of excessive bleeding after open heart surgery, Diagnosis & management, in dept. of cardiac surgery of Emam Reza Hospital 2003 – 2008.

- *Pentoxiphyllin effect on Atrial Fibrillation Prophylaxia in Off-Pump Coronary Artery Bypass Surgery
- *Assessment of Details and Complications on Minimally Invasive Pediatric Cardiac Surgery
- *Evaluation of Coronary sinus lactate concentration base on cardioplegia solution for repair of Tetralogy of Fallot .
- *ZipFix Versus Conventional Sternal Closure : One Year Follow Up
- *Immuno-Histochemistry on Saphenous Vein Endothelium Comparing Endoscopic Vein Harvesting Versus Open Vein Harvesting for Coronary Artery Bypass Grafting Surgery
- *Evaluation of Minimally Invasive Mitral Valve Surgery Through Right Anterolateral
Mini-Thoracotomy Via Direct Cannulation
- *The Evaluation of Survival in Patients Who Need Intra Aortic Balloon Pump (IABP) after Cardiac Surgery
- *Descriptive Analysis of Endoscopic Versus Traditional Open Vein Harvest for Coronary Artery Bypass Graft Surgery
- *Evaluation of the Early and Long-term Outcomes Associated with the New Modification of Bentall Technique in Patients Undergoing Surgery for Replacement of the Ascending Aorta with a Composite Graft

Book Edition:

1. Chapter Author: Minimally Invasive Aortic Surgery – SM Group 2016

2. Guideline for a healthy life after cardiac surgery; 2007

Author: **Mohammad Hassan Nezafati**

Alborz Press

3. Modern Cares in Cardiothoracic Surgery; 2007

Mohammad Hassan Nezafati

*Preface written by **Prof. I. Gandjbakhch**, Chief Dept. of Cardio-Thoracic and Vascular Pitie Hospital, Paris, France.*

Alborz Press

4. Coronary Artery Diseases – Surgery, Pre and Post Operative Care Tips (1)

Authors : **Mohammad Hassan Nezafati**, Pouya Nezafati

Mashhad University of Medical Sciences Press

*Preface written by **Prof. Nouhi**, The President of the Iranian Heart Association*

5. Valvular Heart Disease – Surgery, Pre and Post Operative Care Tips (2)

Authors : **Mohammad Hassan Nezafati**, Pouya Nezafati

Mashhad University of Medical Sciences Press

*Preface written by **Prof. Nouhi**, The President of the Iranian Heart Association*

6. Congenital Heart Diseases – Surgery, Pre and Post Operative Care Tips (3)

Authors : **Mohammad Hassan Nezafati**, Pouya Nezafati

Mashhad University of Medical Sciences Press

*Preface written by **Prof. Nouhi**, The President of the Iranian Heart Association*

7. Heart failure – Heart Transplantation – Pre and Post Operative Care Tips (4)

Authors : **Mohammad Hassan Nezafati**, Pouya Nezafati

Mashhad University of Medical Sciences Press

*Preface written by **Prof. Nouhi**, The President of the Iranian Heart Association*

8. Cardiac Arrhythmia – Surgery, Pre and Post Operative Care Tips (5)

Authors : **Mohammad Hassan Nezafati**, Mohammad Vejdandarparast, Pouya Nezafati

Mashhad University of Medical Sciences Press

*Preface written by **Prof. Nouhi**, The President of the Iranian Heart Association*

9. Student Dynamism – Research, Education, Presentation

Author : Pouya Nezafati

Reviewed by: **Mohammad Hassan Nezafati**

Mashhad University of Medical Sciences Press

*Preface written by **Prof. Akhoundzade**, Iran's Deputy Medical Minister & **Prof. Darabi**, Education Vice Chancellery of Mashhad University of Medical Sciences*

10. Modern Cares in Cardiothoracic Surgery (2nd edition)

Author: **Mohammad Hassan Nezafati**, Mohammad Reza Kazemi, Ali Vedadian, Farzad Sadeghi, Pouya Nezafati

Mashhad University of Medical Sciences Press

Preface written by

Prof. Gandjbakhch

Chief Department of cardiac surgery, Pierre Marrie University

Prof. Yousefnia

The President of Iranian Cardiac Surgeons Association

11. Writing Successful Academic Books

Author: Anthony Haynes - Cambridge Press

Translation: Pouya Nezafati

Reviewed by: **Mohammad Hassan Nezafati**

Mashhad University of Medical Sciences Press

Preface written by

Prof. H. Hoseinzadeh
Top 1% of world scientists

12. Modern Medicine

Author: **Mohammad Hassan Nezafati**, Pouya Nezafati
Ibn Sina Press
Preface written by
Prof. R. Farid Hoseini

13. Cardiac Drugs – Clinical Approach

Author: Mohammad Vejdanparast, Pouya Nezafati, Farnaz Maanavifar
Reviewed by: **Mohammad Hassan Nezafati**
Ibn Sina Press

14. How To Write A Paper (5th Edition)

Author: George M. Hall – Willy Press
Translation: Pouya Nezafati
Reviewed by: **Mohammad Hassan Nezafati**
Ibn Sina Press
Preface written by
Prof. H. Hoseinzadeh
Top 1% of world scientists

15. Text Book; Manual of Cardiothoracic Surgery, John Hopkins Uni. Mc Graw Hill, USA, 2007, contribution in Congenital section.

16. Text Book; Mastery of Cardiothoracic Surgery, 3rd Edition, Wolters Kluwer Health, USA, 2014, contribution in Congenital section

Journal Publications:

Class I (ISI)

1- **M.H. Nezafati**, Eshraghi, M. Vojdanparast, S. Abtahi, P. Nezafati
Selective Serotonin Reuptake Inhibitors (SSRIs) and Cardiovascular events: A systematic Review
Journal of Research in Medical Sciences – (accepted)
Review Article (IF=0.652)

2- P. Nezafati, A. Shomali, **M. H. Nezafati**
A simple modified Bentall technique for surgical reconstruction of the aortic root – short and long term outcomes

J Cardiothorac Surg. 2015 Oct 26;10(1):132
Original Article – Corresponding Author (IF=1.02)

3- P. Nezafati, M. Gharipour, **M.H. Nezafati**
Surgical Ablation for Atrial Fibrillation
Journal of Thoracic Disease 2015 Aug;7(8):E239-42
Editorial – Corresponding Author (IF=1.78)

4- **M.H. Nezafati**, P. Nezafati, G. Soltani, S. Jahanbakhsh, H. Hoseinikhah
Long-term assay of off-pump atrial septal defect closure using vena caval
inflow occlusion and minimally invasive approaches in 130 cases
European Journal of Cardio-Thoracic Surgery - 2014 1–6
Original Article (IF=3.048) – Corresponding Author

5- HD. Sani, A. Eshraghi, **M.H. Nezafati**, M. Vojdanparast, P. Nezafati
Nicorandil versus nitroglycerin for symptomatic relief of angina in patients
with slow coronary flow phenomenon: a randomized clinical trial
Journal of Cardiovascular Pharmacology and Therapeutics – 2015 Feb 20
Original Article (IF=3.072)

6- **M.H. Nezafati**, P. Nezafati
A 25-cm Angiomyxoma of the Right Atrium Extending Toward the Right
Ventricle and Pulmonary Artery Terminated to the Right Pulmonary Hilum
The Annals of Thoracic Surgery – 2014; 98:1846
Images (IF=3.61)

7- **M.H. Nezafati**, P. Nezafati, S. Amouian, A. Attaranzadeh, H.R. Rahimi
Immunohistochemistry comparing endoscopic vein harvesting vs. open vein
harvesting on
saphenous vein endothelium
Journal of Cardiothoracic Surgery - 2014,9:10
Original Article (IF=1.02)

8- S.R. Mazlom, H. Esmaily, **M.H. Nezafati**, F. Hajiabadi
Relationship Between Post Operative Quality of Recovery After 72h and
Quality of Life 3 Month After Coronary By Pass
Life Science Journal - 2013; 10(6s)
Original Article (IF=0.165)

9- H. Poorzand, **M.H. Nezafati**, M. Shaarbaf, M. Hosseinzadeh, A. Ayatollahi
An Unusual Case of Fungal Endocarditis Oblitering the Right Ventricular
Cavity
European Heart Journal – Cardiovascular Imaging - 2012 Jun;13(6):530
Images (IF=3.669)

10- **M.H. Nezafati**, G. Soltani, M. Kahrom
Video-Assisted Thoracoscopic Patent Ductus Arteriosus Closure Without Tube
Thoracostomy

The Annals of Thoracic Surgery - 2011;91:1649–55

Letter to Editor (IF=3.61)

11- **M.H. Nezafati**, H. Javan, M. Hosseinzadeh, A. Hamedanchi
Lipomatosis of interventricular septum and both ventricles: an extremely rare
pattern

Journal of Interactive Cardiovascular and Thoracic Surgery - 2011 12 (3):
511-512

Case Report (IF=1.109)

12- **M.H. Nezafati**, G. Soltani, M. Kahrom

Esophageal Stethoscope: an old tool with a new role, detection of residual flow
during video-assisted thoracoscopic patent ductus arteriosus closure

Journal of Pediatric Surgery - 2010 Nov;45(11)

Original Article – Corresponding Author (IF=1.311)

13- **M.H. Nezafati**, M. Hosseinzadeh, H. Javan, N. Zirak

Repair of Aorto-Left Ventricular Tunnel Arising from the Left Sinus of
Valsalva

Journal of Cardiac Surgery - 2010;25:345-346

Case Report – Corresponding Author (IF=0.888)

14- **M.H. Nezafati**, G. Soltani, A. Vedadian

Video-Assisted Ductal Closure with New Modifications: Minimally Invasive,
Maximally Effective, 1300 Cases

The Annals of Thoracic Surgery - 2007;84:1343-1348

Original Article – Corresponding Author (IF=3.61)

15- P. Nataf, F. Plantier, **M.H. Nezafati**, M. Khunle, M. Lima,

Ex. vivo pig Human Heart Transplantation : An Histological Study.

Transplantation Proceedings, vol. 27, No.5, 1995 P2635

Class II (Index Medicus-Pubmed-Medline)

1- S Abtahi, P Nezafati, H Amoozgar, M Rafie-Torghabe, **M. H. Nezafati**

Evaluation of Left Ventricle Systolic Function by Doppler Tissue
Echocardiography in Children with Down Syndrome.

Iran J Pediatr. 2017 February; 27(1):e5735

Original Article – Corresponding Author

- 2- **M.H. Nezafati**, M. Vojdanparast, P. Nezafati
Antidepressants and Cardiovascular Adverse events: A narrative review
ARYA Atherosclerosis Journal – 2014; 11(5)
Narrative review article
- 3- P. Nezafati, **M.H. Nezafati**, H. Hoseinikhah
Unruptured aneurysm of Sinus of Valsalva coexisting with the large ventricular septal defect and severe Aortic Regurgitation in a young man
Case Reports In Medicine Journal - 2015;2015:396098
Case Report – Corresponding Author
- 4- **M.H. Nezafati**, P. Nezafati
Video Assisted Thoracoscopic Surgery Cases with Right-Sided Aortic Arch Aneurysm and Complete Vascular Ring
International Journal of Surgery Case Reports - - 2015;6C:188-90
Case Report
- 5- P. Nezafati, **M.H. Nezafati**, Mo. Moshiri
Radiofrequency Atrial Fibrillation Ablation Technique in Patients with Mitral Valve Surgery and Left Atrial Reduction Procedures
The Journal of Tehran University Heart Center - 2014. 9(4):153-159
Original Article – Corresponding Article
- 6- **M.H. Nezafati**, P. Nezafati, M. Hosseinzadeh, S. Tehrani
Minimally invasive mitral valve surgery via minithoracotomy and direct cannulation
Asian Cardiovascular and Thoracic Annals - July 22, 2014
Original Article
- 7- **M.H. Nezafati**, G. Soltani, Mottaghi H. M. Horri, P. Nezafati
Video-assisted thoracoscopic patent ductus arteriosus closure in 2,000 patients
Asian Cardiovascular and thoracic Annals - 2011 Dec;19(6):393-8
Original Article – Corresponding Author
- 8- H. Mottaghi, M. Kahrom, **M.H. Nezafati**, H. Kahrom
Congenital pulmonary arteriovenous malformation: a rare cause of cyanosis in childhood
The Pan African Medical Journal - 2009;3:12
Case Report
- 9- M.R. Keramati, **M.H. Nezafati**
Multivariate predictors of blood transfusion in patients undergoing coronary artery bypass graft in Mashhad, Iran
Iranian Red Crescent Medical Journal - 2008; 10(2):79-83
Original Article

10- **M. H. Nezafati** , S.H. Hashemian, E. Mahmoudi, A. Hamedanchi
Video Assisted Thoracoscopic Surgical Closure of Patent Ductus Arteriosus:
300 Cases

Asian Cardiacvascular Thoracic Annals - 2001; 9: 275-8

Original Article – Corresponding Author

Class III (Scopus, Chemical Abstract, Embase, Biological Abstract)

1- **M.H. Nezafati**, P. Nezafati

Descriptive Analysis of Endoscopic versus Traditional Open Vein Harvest
Technique for Coronary Artery Bypass Graft Surgery: Report of 1974 Cases

Iranian Heart Journal - 2014, 14(4):17–22

Original Article

2- **M.H. Nezafati**, M. Abbasi, G. Soltani

A case with Wrong Anastomosis of Left Internal Mammary Artery to Great
Cardiac Vein

Iranian Heart Journal - 2009; 10 (2):31-33

Case Report – Corresponding Author

3- **M.H. Nezafati**, M. Abbasi, G. Soltani

Bland-White-Garland Syndrome in an 8-year-old Child

Iranian Heart Journal - 2007; 8 (4): 69-71

Case Report – Corresponding Author

4- **M.H. Nezafati**, J. Esfahanizadeh, M. Hoseinzadeh, P. Nezafati

Comparison of Antegrade Cold Blood and Crystalloid Cold Cardioplegia for
Repair of Tetralogy of Fallot in Pediatric Heart Surgery: A Randomized
Controlled Trial

Iranian Heart Journal – 2013; 13 (2): 23-28

Original Article - Corresponding Author

Papers Under Review:

1- Pouya Nezafati, **Mohammad Hassan Nezafati**, Ali Shomali, Sahar
Omidvar Tehrani

Comparison of mid-term clinical safety and post-operative complications after
sternotomy closure by new sternal ZipFix™ technique and conventional
method

Original Article – Corresponding Author

2- Pouya Nezafati, **Mohammad Hassan Nezafati**, Ali Shomali

Endoscopic Vein Harvesting Versus Open Vein Harvesting effects on Health Related Quality of Life in Patients undergoing Coronary Artery Bypass Grafting

Original Article – Corresponding Author

3- **Mohammad Hassan Nezafati**, Pouya Nezafati

Descriptive twelve years' experience on Radiofrequency Ablation Technique in Patients with Mitral Valve Surgery via Minithoracotomy and Direct Cannulation

Original Article

Others:

1- **M.H. Nezafati**, M. Abbasi, A.R. Karamroudi

The Outcomes of Redo-Coronary Artery Bypass Grafting

Medical Journal of Mashhad University of Medical Sciences – 2009; 51:225-228

Original Article - Corresponding Author

2- Behrozifar P, Zanvari SH, Nezafati M, Esmaeili H. Relationship between sleep patterns and quality of life in patients undergoing coronary artery bypass graft surgery.

Sabzevar J Medical Scienc. 2007; 14(1):53-61.

Original Article

3- VTSI Report: Iranian Scientific Cardiovascular Journal: 1998, Volume 26

4- Video Assisted Thoracoscopic Closure of PDA, Journal of Mashhad Faculty of Medicine.

5- Video Assisted Minimally Invasive Bypass Coronary, Journal of Mashhad Faculty of Medicine.

6- Williams Syndrome, A Case Assessment and Medical literature Review, Journal of Mashhad Faculty of Medicine.

7- Left Coronary Spontaneous Dissection, Journal of Mashhad Faculty of Medicine.

8- Fast Tracked Extubation in Operation Theater in Post CABG (Case Study of 40 Patients),

Iranian, Journal of Anesthesiology and Intensive Care.

9- Anesthesia Methods in Video Assisted Closure of PDA (Case Study of 650 Patients), Journal of Sabzavar Faculty of Medicine

Memberships:

Iranian Society of Cardiac Surgeons (ISCS)
International Society of Minimally Invasive Cardiac Surgery (ISMICS)
European Association for Cardiac-Thoracic Surgery (EACTS)
Societe Francaise de Chirurgie Thoracique et Cardiac-Vasculaire, (SFCTCV)
International Society of Heart and Lung Transplantation (ISHLT)

Inventions:

- Heart Tissue Stabilizer, Octopus, 2012, Iran
Registered in Iranian Patent Organization, Judiciary of the I. R. of Iran.
- Light Electrocautery, 2015, Iran
Registered in Iranian Patent Organization, Judiciary of the I. R. of Iran.