

CURRICULUM VITAE

OF

DR. YUGAL K. MISHRA

MBBS, MS, Ph.D, FCSI, D.Sc.(Honoris Causa)

**Chief of Clinical Services ,
Head of Cardiac Sciences and
Chief Cardio Vascular Surgeon
Manipal Hospitals, Sector 6, Dwarka, New Delhi**

CHAIRMAN

PAYASUNI CHARITABLE TRUST

PRESIDENT

SOCIETY OF MINIMALLY INVASIVE CARDIOVASCULAR
SURGEONS OF INDIA

PAST PRESIDENT

INDIAN ASSOCIATION OF CARIOVASCULAR AND
THORACIC SURGEONS

COUNCIL MEMBER

ASSOCIATION OF THORACIC AND CARDIOVASCULAR
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Profile of Dr Yugal K. MISHRA

Name : Yugal K Mishra
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Present Appointment :

Joined Chief of Clinical Services, Head of Cardiac Sciences and Chief Cardio Vascular Surgeon, Manipal Hospital, Dwaka, New Delhi since 15th Oct'2018 to till date. It is multi super specialty tertiary healthcare facility, delivering world class healthcare. Its aim is to deliver affordable, accessible and accurate healthcare to all.

Past Academic Appointments

1. Ph.D. fellow cardiovascular surgery Bakulev Institute of Cardiovascular Surgery, Moscow, Russia.
2. Fellow in cardiothoracic surgery at Thoracic Centre, University Hospital, Uppsala, Sweden.

Past Staff Appointments

- Attending Cardiac Surgeon, Escorts Heart Institute and Research Centre, New Delhi, India from 14.12.991 – 31.12.95
- Junior Consultant Cardiac Surgery, Escorts Heart Institute and Research Centre, New Delhi, India from 01.01.96 – 31.12.1999
- Consultant Cardiac Surgeon, Escorts Heart Institute and Research Centre, New Delhi, India from 01.01.99 – 31.03.2001
- Senior Consultant Cardiac Surgeon, Escorts Heart Institute and Research Centre, New Delhi, India from 01.04.2001 – 31.03.2005
- Principal Consultant Cardiovascular Surgery in Escorts Heart Institute and Research Centre, Okhla Road, New Delhi India from 01.04.2005 – 14.01.2006.
- Director Cardiovascular and minimally invasive cardiac surgery at Max Heart & Vascular Institute, Saket, New Delhi from 15.1.2006 to 1.7.2006.

Educational Qualifications:

M.B.B.S.	:	S.S.Medical College Rewa, (M.P.) India in 1980
MS (Surgery)	:	S.S. Medical College Rewa (M.P.), India in 1984
Ph.D (Cardiovascular Surgery)	:	Bakulev Institute of Cardio- Vascular Surgery, Moscow, Russia in 1991
P.G Teaching	:	CTVS – DNB program at Escorts Heart Institute & Research Centre, Okhla Road New Delhi since 2003 To Oct'2018

Professional Experience:

After training in general surgery from S.S. Medical College Rewa (MP) held clinical position at Dr. Ram Manohar Lohia Hospital and Maulana Azad Medical College, New Delhi. Subsequently received training/ fellowship in :-

- Fellowship (CTVS) from University Hospital Upsala, Sweden
- Minimally Invasive Cardiac Surgery from University Hospital Utrecht Netherland
- Robotic Cardiac Surgery training from University Hospital Utrecht Netherland
- Robotic Cardiac Surgery training from Odessa Texas, USA
- Robotic MidCAB Surgery training from Columbia University Medical Centre, USA
- Robotic Cardiac Surgery training from Ohio State University Columbus Medical Centre, USA
- Special Course in Endoscopic IMA harvesting from Institute of Telesurgery, University of Strasbourg, France.
- Minimally access Valve Surgery (Heart Port surgery or Key hole surgery) from heart port Research and Training Center in Salt Lake City , Utah, USA

After completion of Ph.D fellowship in cardiovascular surgery from Bakulev Institute, returned to India in 1991 and joined Escorts Heart Institute and Research Centre, New Delhi.

I have worked as **Director Cardiovascular & Minimally Invasive Cardiac Surgery** at Max Heart & Vascular Institute, Saket, New Delhi from 15.1.2006 to 1.7.2006.

I joined as a **Director- Deptt. of Cardiovascular Surgery**, in Fortis Escorts Heart Institute & Research Centre, New Delhi, India from 3.7.2006 to 14th October'2018.

Presently I am working as **Chief of Clinical Services , Head of Cardiac Sciences and Chief Cardio Vascular Surgeon Manipal Hospitals, Sector 6, Dwarka , New Delhi.**

I have already operated more than 21000 cardiovascular cases. Since last 29 years my specialties of interest are minimally invasive cardiac surgery which include MIDCAB, OPCAB and Port access approach for mitral valve surgery and ASD closure.

- I have already operated more than 2500 cases with port access technology.
- Another area of my interest is redo cardiac surgery and I have already performed more than 1000 redo cardiac cases.
- I started robotic cardiac surgery programme at Escorts Heart Institute in December 2002 and since then performed 500 robotic cardiac cases with excellent results.
- Besides clinical work I am actively involved in research and already published more than 160 scientific papers and chaired scientific sessions in national and international conferences in USA, UK, China, Italy, Japan , France and Far East Countries.
- Conducted Live Operative Teaching Workshop at Bangladesh, Thailand and Nepal.
- Trained more than 80 cardiac surgeons in the area of Minimally Invasive Cardiac Surgery in M S Ramaiah Memorial Hospital at Bangalore.

Membership of Professional Societies And Editorial Advisory Boards :

- Director, Board of Directors of International Society for Minimally Invasive Cardiac Surgery - Beverly, MA., USA.
- Member of International Society for Minimally Invasive Cardiac Surgery - Beverly, MA., USA.
- Member of the Society of Thoracic Surgeons, 633, N. Saint Clair St, Ste 2320, Chicago, IL, USA.
- Member of The European Association for Cardio-Thoracic Surgery, Windsor, United Kingdom
- Member of the Asian Society for Cardiovascular and Thoracic surgery, University of Tokyo , 7-3-1, Hongo, Bunkyo- ku, Tokyo.
- Founder member Indian College of Cardiology.
- Fellow of Association of Thoracic and Cardiovascular Surgeons of India.
- Life member of Cardiological Society of India.
- Executive members of Society of Coronary Surgeons

Awards

- Rastriya Ratan Award by International Study Circle in 2005
- Lifetime Achievement Award given by World Congress on Clinical and Preventive Cardiology (WCCPC) conferred by Dr. A. P. J. Abdul Kalam in 2006.

Honoris Causa Doctorate (Doctor Of Science) confer by Governor of Madhya Pradesh and Chancellor of Rani Durgavati Vishwavidyalaya in 2012

- Global Gandhi Awards 2019 on the occasion of 150 Years of Mahatma Gandhi at United Kingdom
- Dr. K.G. Deshpande Memorial Oration award on 19th December'2021

Research Work :

- Principal Investigator : Mitral Valve Repair with Coapsis annuloplasty on beating heart.
- Principal Investigator : Coronary Study (CABG on Pump and off pump).
- Principal Investigator: Dafodil Pericardial Bio prosthesis in AVR/MVR
- Principal Investigator: Anticoagulation Management in Patients with valve Replacement
- Principal Investigator : - Early hemodynamic performance of the Trifecta™ surgical bioprosthesis aortic valve in Indian patient population: 12 month outcomes of the EVEREST post-market study " by Mar 19, 2018

Publications

1. **Mishra YK**, Malhotra R, Mehta Y, Sharma KK, Kasliwal RR, Trehan N. Minimally Invasive Mitral Valve Surgery through Right Anterolateral Minithoracotomy. Ann of thorac Surg, 68, 1520-4, 1999.
2. **Mishra Y**, Mehta Y, Juneja R, Kasliwal RR, Mittal S, Trehan N. Mammary Coronary Artery Anastomosis Without Cardiopulmonary Bypass Through Minithoracotomy. Ann Thorac Surg, 63 : S 114-8, 1997.
3. **Mishra Y**, Mehta Y, Mittal S, Mairal M, Karlekar A, Seth A, Kler TS, Trehan N. Mammary Coronary Artery Without Cardiopulmonary Bypass Through Minithoracotomy : One year clinical experience. European Jr. Cardio thoracic Surgery, 14 (Suppl), S 31-S37, 1998.
4. **Mishra Y**, Mehta Y, Kohli V, Mairal M, Mishra A, Bapna RK, Trehan N. Coronary Artery Bypass Surgery without Cardiopulmonary Bypass : Short and Mid - Term Results. Indian Heart J, 511-17, Sept-Oct, 1997.
5. Trehan N, **Mishra Y**, Mehta Y, Jangid D. Transmyocardial Laser as an Adjunct to Minimally Invasive CABG For complete Myocardial revascularization. Ann Thorac Surg, 66:1113-8, 1998.
6. **Mishra Y**, Kertsman VP, Alekryan BG, Burokouski V I. Limitations of Using Arterial Conduit For Myocardial revascularization in Patients with Combined Coronary And Other Arterial Lesions. Indian Heart J, 45,2, 117-120.1993.

7. Kertsman VP, Kombarov SV, **Mishra YK**, Mota ER, Garsevnor Gb, Soboleva ER., Bogonatove BN. Antegrade and Retrograde Cardioplegia with Different Reperfusion Techniques in Patients with Multiple Coronary Artery Lesions. Indian Heart J, 44, 103-108,1992.
8. **Mishra Y**, Bapna RK, Mishra A, Kohli VM, Malhotra R, Trehan N. Myocardial Revascularisation with Heart Laser And Direct CABG without Cardiopulmonary Bypass. Indian Heart J., Vol 48, No 5, Sept – Oct, 1996 (abst).
9. **Mishra Y**, Mairal M, Maheshwari P, Jandial P, Trehan N. Mammary Coronary Anastomosis Through Minithoracotomy Without Extracorporeal Circulation. Indian Heart J., Vol 48, No 5, Sept – Oct ,1996 (abst).
10. Trehan N, Khanna SN, Kohli VM, Karlekar A, **Mishra Y**, Mishra A. early results with Bilateral And Single Internal Mammary Artery Gifts. Are They Different ?. Asian Cardiovascular & thoracic Annals, Vol 3, No1, 8-14, 1997.
11. Trehan N, **Mishra Y**. Coronary Artery Bypass Grafting : Future Perspectives in India . the Cardiothoracic Journal, Vol 2, No 8, 25-32, October, 1996.
12. Mittal S, Kasliwal RR, Shrivastava S, Kanojia A, **Mishra Y**, Trehan N. Assessment of LIMA Graft Flow by Transthoracic Minithoracotomy Bypass Surgery: An Angiographic validation Indian Heart J., Vol 49, No 6, 1997 (Abst)
13. **Mishra Y**, Mehta Y, Kohli VM, Mairal M, Mishra A, Bapna RK, Trehan N. Coronary Artery Bypass Surgery Without Cardiopulmonary Bypass : Short and Mid - Term Results. Indian Heart J., 511-17, Sept – Oct, 1997.
14. Juneja R, Mehta Y, **Mishra Y**, Trehan N. Minimally Invasive Coronary Artery Surgery: Anaesthetic Considerations, J. Cardiothorac. Vasc. Anaeth. 11,2: 123-4, 1997.

15. Malhotra R, **Mishra Y**, Maheshwari P, Mehta Y, Trehan N. Minimally Invasive Coronary Artery Bypass as a Salvage Procedure. Asian Cardiovascular & Thoracic Annals, Vol 6, No 1, 623, 1994.
16. Mehta Y, Swaminathan M, **Mishra Y**, Trehan N. A Comparative Evaluation of Intrapleural And Thoracic epidural Analgesia for Postoperative Pain and relief After Minimally Invasive Direct Coronary Artery Bypass Surgery. Journal of Cardiothoracic and Vascular Anesthesia. Vol 12, No 2, 162-165, 1998.
17. Kasliwal RR, Mittal S, Shrivastava S, Saxena A, Malhotra R, **Mishra Y**, Trehan N. Role of Intraoperative Duplex Study of LIMA Flow in Patients Undergoing Mini CABG. Indian Heart J., Vol 50, No 5, Nov, 1998 (abst).
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19. Trehan N, **Mishra Y**. Mitral Valve Surgery with Port Access System. JIMSA, vol 12, No 3, Jul – Sept, 1999.
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21. Trehan N, **Mishra Y**. Off Pump coronary Artery Bypass Surgery: EHIRC Experience. JIMSA, Vol 12, No 3, Jul – Sept 1999.
22. Malhotra R, **Mishra Y**, Sharma KK, Mehta Y, Trehan N. Minimally Invasive Atrial Septal Defects Repair. Ind. Heart J., 193-197, March – April 99.
23. Trehan N, Malhotra R, **Mishra Y**, Srivastava S, Mittal S, Mehta Y. Minimally Invasive Coronary Artery Surgery: The Current Status. Indian Heart J., Vol 51, No 6, Nov – Dec 1999 (abst).
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28. Kasliwal RR, Ranjan S, Mittal S, Shrivastava S, **Mishra Y**, Malhotra R, Trehan N. Our Experience with Minimally Invasive Direct Coronary Artery Bypass Surgery (MIDCAB) in Patients with Multivessel Coronary Artery Disease: *IHJ*, Vol 52, No 6, Nov – Dec 2000.
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Multimodality targeted approach in redo off-pump coronary artery bypass
surgery. *Asian Cardiovasc Thorac Ann.* 2003 Mar;11(1):7-10.

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47. Mittal S, **Mishra Y**, Trehan N. Mitral valve geometric differences in patients with post infarction functional mitral regurgitation are related to the infarct territory. *Indian Heart J.* Sept – Oct. 2003.
48. **Mishra Y**, Sharma M, Wasir H, Sharma KK, Trehan N. Robot-enhanced coronary artery bypass surgery. *Indian Heart J*, vol 5(25), Sept-Oct 2003.
49. Mehrotra R, Bansal M, Hansa G, Bhargava K, Agarwal V, Kasliwal RR, Bapna RK, **Mishra Y**, Trehan N. Clinical profile and immediate surgical outcome in patients with severe aortic stenosis undergoing aortic valve replacement: an Indian perspective. *Indian Heart J Vol 5 (237)*, Sept-Oct 2003.
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51. **Mishra Y**, Wasir H, Kohli V, Meharwal ZS, Malhotra R, Mehta Y, Trehan N. Concomitant carotid endarterectomy and coronary artery bypass surgery: outcome of on-pump and of-pump techniques. *Ann Thorac Surg* 2004; 78(6): 2037-43.

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56. **Mishra YK**, Mittal S, Jaguri P, Trehan N. Coapsys mitral annuloplasty for chronic functional ischemic mitral regurgitation: 1-year results. Ann Thorac Surg 2006;81:42-6.
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58. **Mishra YK**, Wasir H, Sharma KK, Mehta Y, Trehan N. Totally Endoscopic Coronary Artery Bypass Surgery Asian Cardiovasc Thorac Ann 2006; 14:447-51
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64. **Mishra YK**, Sathiakar Collison, Malhotra Rajneesh, Kohli Vijay, Mehta Yatin, Trehan Naresh; Ten- year experience with single - vessel and multivessel reoperative off-pump coronary artery bypass grafting : J. Thoracic and Cardiovascular surgery – Volume 135, Number 3 pg. 527
65. Smita M, Munesh Tomer, Rajneesh M, Sitaraman Radhakrishnan, K.S. Iyer, Savitri S, **Yugal K. Mishra** Naresh Trehan: Comparison between Transcatheter Closure and Minimally Invasive Surgery for Fossa Ovalis Atrial Septal Defect: A Single Institutional Experience: Indian heart J 2008; 60: 125-132
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67. **Yugal K. Mishra**, S.P. Collison : The development and current status of Minimally Invasive Cardiac Surgery at Escorts Heart Institute & Research Centre: Fortis Medical Journal: Decr'08- Feb'09 Volume 01, Issue 01
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A case report: renal Cell Carcinoma with Inferior vena Cava And Right Atrial Extension: Fortis Medical Journal April11- June'11 Volume 03 issue 02

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