

## Curriculum Vitae

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**Yasmin Wadia, M.D.**

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### Contact

**Laser Tissue Welding, Inc**  
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### Medical Education

Lokmanya Tilak Municipal Medical College, Bombay, India

01 / 1990 - 07 / 1993

M.Ch. (Master of Cardiothoracic/Vascular Surgery), 05 / 1993

TATA Memorial Hospital, University of Bombay, India,

02 / 1987 - 12 / 1989

M.S. (Master of Surgery), 02 / 1990

Lady Hardinge Medical College, New Delhi, India

01 / 1977 - 12 / 1981

M.B.B.S., 04 / 1983

## Employment

- 09/28/04 to present  
Founder, Chairman, CEO and Director of Research and Development Laser Tissue Welding, Inc
- 07/2004 to 12/2007  
Research Associate, Dept. of Heart Transplantation / Assist Devices  
Texas Heart Institute, St Luke's Episcopal Hospital, Houston, TX
- 07/2003- 06/2004  
Research Fellow, Dept. Heart Transplantation / Assist Devices  
Texas Heart Institute, St Luke's Episcopal Hospital, Houston, TX
- 08 / 2000 - 06 / 2003  
Texas Heart Institute, St. Luke's Episcopal Hospital, Houston, TX  
Clinical Fellow, Heart Transplantation / Assist Devices
- 07 / 1998 - 08 / 2000  
Oregon Medical Laser Center, Portland, OR  
Research Fellow, Cardiothoracic /Vascular Surgery
- 07 / 1996 - 06 / 1998  
Heart Institute, St. Vincent's Medical Center, Portland, OR  
Clinical Fellow, Cardiothoracic Surgery
- 07 / 1995 - 06 / 1996  
Royal Melbourne Hospital, Melbourne Australia  
Clinical Fellow, Cardiothoracic Surgery
- 04 / 1994 - 06 / 1995  
Alfred Hospital, Melbourne Australia  
Clinical Fellow, Heart/ Lung Transplantation
- 08 / 1993 - 03 / 1994  
Bombay Hospital, Bombay India  
Clinical Assistant, Cardiothoracic/Vascular Surgery

## Research Experience

- 07 / 2003 to present  
Dept. of Heart Transplantation / Assist Devices  
Texas Heart Institute, St Luke's Episcopal Hospital, Houston, TX

- 07 / 1998 - 08 / 2000  
Oregon Medical Laser Center, Portland, OR  
Research Fellow, Cardiothoracic /Vascular Surgery
- 04 / 1994 - 06 / 1995  
The Baker Institute and Alfred hospital in Melbourne, Australia  
Prolongation of donor heart preservation time beyond 4 hours using hypothermic low flow continuous sanguineous perfusion during transportation.
- 01 / 1990 - 07 / 1993  
Postgraduate degree thesis dissertation in Cardio-thoracic and Vascular Surgery  
LTMG Hospital in Bombay, India  
A study of distal coronary artery flow rates in normal cadaveric hearts.
- 02 / 1987 - 12 / 1989  
Postgraduate degree thesis dissertation in General Surgery  
Tata Memorial Hospital in Bombay, India  
Clinical trial using Intravesical BCG instillation in superficial carcinomas of the urinary bladder which were recurrent and resistant to all other modalities of treatment.

#### **Publications/Presentations/Poster Sessions**

- [Yasmin Wadia, M.D., Reynolds Delgado III, M.D., Biswajit Kar, M.D., Igor Gregoric, M.D., O. H. Frazier, M.D.](#) Real-Time Hepatic Venous Saturation: Is it a Sensitive Indicator of Hemodynamic Compromise? Poster - 27th Annual Meeting and Scientific Sessions The International Society for Heart and Lung Transplantation April 25<sup>th</sup> , 2007
- [Yasmin Wadia, MD., John R. Cooper, Jr., MD, Arthur W. Bracey, MD, Katherine Pinto, PharmD, O.H. Frazier, MD.](#) Intraoperative Anticoagulation Management during Cardiac Transplantation *Tex Heart Inst J 2008;35(1):1-4)*
- [Biswajit Kar, MD, Reynolds M. Delgado III, MD, O.H. Frazier, MD, Igor D. Gregoric, MD, Matthew T. Harting, MD, Yasmin Wadia, MD, Timothy J. Myers, BS, Robert D. Moser, PhD, Jonathan Freund, PhD.](#) The Effect of LVAD Aortic Outflow-Graft Placement on Hemodynamics and Flow: Implantation Technique and Computer Flow Modeling. *Tex Heart Inst J 2005;32:294-8*
- [Raymond F. Stainback, MD, FASE, Mihai Croitoru, MD, Antonieta Hernandez, MD, Timothy J. Myers, BS, Yasmin Wadia, MD, O.H. Frazier, MD](#) Echocardiographic Evaluation of the Jarvik 2000 Axial-Flow LVAD *Tex Heart Inst J 2005;32:263-70*
- [Kar B, Delgado RM 3rd, Radovancevic B, Myers TJ, Wadia Y, Letsou GV, Riaz I, Metcalfe R, Gregoric I, Harting MT.](#) Vascular thrombosis during support with continuous flow ventricular assist devices: correlation with computerized flow simulations. *Congest Heart Fail. 2005 Jul-Aug;11(4):182-7.*

- [Delgado R 3rd, Wadia Y, Kar B, Ethridge W, Zewail A, Pool T, Myers TJ, Scroggins N, Frazier OH.](#) Role of B-Type Natriuretic Peptide and Effect of Nesiritide After Total Cardiac Replacement With the AbioCor Total Artificial Heart. *J Heart Lung Transplant.* 2005 Aug;24(8):1166-70
- [Wadia Y, Thiagarajan P, Delgado R, Allison P, Robertson K, Frazier OH.](#) Antiphospholipid Syndrome With Anti-Prothrombin Autoantibodies in a Patient With an Axial-Flow Left Ventricular Assist Device. *J Heart Lung Transplant.* 2005 Aug;24(8):1133-1136.
- [Y. Wadia, R. Delgado, P. Allison, W. K. Vaughn, B. Kar, G. Messner, T. Myers, K. Robertson, I. Gregoric, V. Patel and O. H. Frazier.](#) Heparin induced thrombocytopenia in patients with an axial flow left ventricular assist device. *The Journal of Heart and Lung Transplantation, Volume 23, Issue 2, Supplement 1, February 2004, Page S109*
- [Murtagh B, Wadia Y, Messner G, Allison P, Harati Y, Delgado R.](#) West Nile virus infection after cardiac transplantation. *Journal of Heart Lung Transplantation* 2005;24:774-6.
- [Wadia Y, Etheridge W, Smart F, Wood RP, Frazier OH.](#) Pathophysiology of Hepatic Dysfunction and Intrahepatic Cholestasis in Heart Failure and after LVAD Support. *Journal of Heart Lung Transplantation* 2005 April; 24 (4): 361-370
- [Gregoric I, Wadia Y, Radovancevic B, Messner G, Khan T, Frazier OH.](#) HeartMate vented-electric left ventricular assist system: technique for intrathoracic or intraperitoneal implantation via a left thoracotomy. *J Heart Lung Transplant.* 2004 Jun;23(6):759-62.
- [Biswajit Kar, Reynolds M Delgado III, Yasmin Wadia](#) [Treating Cardiogenic Shock using a Percutaneous Ventricular Assist Device – A Case Series](#) *US Cardiology* 2004: *Business Briefing* 97-99
- [Wadia Y, Delgado RM 3rd, Odegaard P, Frazier OH.](#) Jarvik 2000 FlowMaker Axial-Flow Left Ventricular Assist Device Support for Management of Refractory Ventricular Arrhythmias. *Congest Heart Fail.* 2004 Jul-Aug;10(4):195-6.
- [Messner GN, Prendergast P, Wadia Y, Chu T, Gregoric ID, Flamm SD, Frazier OH.](#) Congenital absence of anterior pericardium at left ventricular assist device implantation. *Tex Heart Inst J.* 2004;31(1):87-9.
- [Aly Zewail, M.D, Cindy Broom, RN, ACNP, Cathy Eastwood, RN, Nancy Scroggins, RN, Biswajit Kar, Yasmin Wadia, MD., Reynolds Delgado, MD.](#) Use of Systolic Time Ratio and B-Type Natriuretic Peptide to Predict Mortality in Patients with Heart Failure. Presented at the 7<sup>th</sup> Annual Scientific Session of the Heart Failure Society of America 2003
- [Frazier OH, Delgado III RM, Gregoric ID, Myers T, Moser R, Wadia Y, Kar B, Letsou G, Messner G, Harting MT, Radovancevic B:](#) Ascending versus descending aorta anastomosis with the Jarvik 2000 LVAS. *ASAIO J.* 2003; 49(2):166.

- [Kajitani M, Wadia Y, Hinds MT, Teach J, Swartz KR, Gregory KW.](#) Successful repair of esophageal injury using an elastin based biomaterial patch. *ASAIO Journal* 07 / 2001, Volume: 47 (4), Pages: 342-345
- [Wadia Y, Xie H, Kajitani M.](#) Sutureless Liver Repair and Hemorrhage Control Using Laser mediated fusion of Human Albumin Used as a Solder. *Journal of Trauma* 07 / 2001, Volume: 51, Pages: 51-59
- [Wadia Y, Xie H, Kajitani M.](#) Liver Repair and Hemorrhage Control Using Laser Soldering of Liquid Albumin in a Porcine Model. *Lasers in Surgery and Medicine* , 11 / 2000, 27, Vol. 4, Pages: 319-328
- [Wadia Y, Khaki A, Kajitani M, Mori Y, Irvine T, Sahn D, Yessik M, Bahlman D, Furnary A, Gregory K.](#) Effects of Transmyocardial Laser Revascularization Using a Prototype Pulsed CO2 Laser on Contractility and Perfusion of Chronically Ischemic Myocardium in a Porcine Model. *ASAIO Journal*, 2000; 46:786-791.
- [Kajitani M, Wadia Y, Xie H, Hinds MT, Shalaby SW, Swartz KR, Gregory KW.](#) Use of New Elastin Patch and Glue for Repair of Major Duodenal Injury. *ASAIO Journal*, 09 / 2000, Volume: 46, Pages: 409-414
- [Xie H, Shaffer BS, Wadia Y, Gregory KW.](#) Use of Reconstructed Small Intestine Submucosa for Urinary Tract Replacement. *ASAIO Journal* 2000; 46:268-272.
- [Wadia, Yasmin; Xie, Hua; Kajitani, Michio; Gregory, Kenton W.; Prah, Scott A.](#)
- Hemostatic applications of laser welding: Liver repair and hemorrhage control. *January 2000 Proceedings of SPIE Vol. 3907 Lasers in Surgery: Advanced Characterization, Therapeutics, and Systems X*
- [Wadia Y, Khaki A, Kajitani M., et al](#) Effects of transmyocardial laser revascularization using a prototype pulsed CO2 laser on contractility and perfusion of chronically ischemic myocardium in a porcine model. *January 1999 SPIE Proc. Vol #: 3590, pp.296-307*
- [Kajitani, M; Wadia, Y; Xie, H; Hinds, M T; Shalaby, S W; Swartz, K R; Gregory, K W](#) Use of New Elastin Patch and Glue for Repair of Major Duodenal Injury. *ASAIO Journal*. 45(2):117, March/April 1999.
- [Xie, H., Shaffer, B. S., Wadia, Y., Teach, J., Wang, K., Gregory, K.W.,](#) Use of Reconstructed Small Intestine Submucosa for Ureter Replacement. *ASAIO J.*, 1999, 45(2); 211
- [Kenton W. Gregory , Michio Kajitani, Yasmin Wadia, Monica Hinds, Rui-Quing Qian, Kristy Hanna, Shalaby Shalaby1, Andrew Barofsky.](#) Tissue Replacement and Repair using Elastin Biomaterials. *Oral presentation Biomaterials Symposium April 7, 1999 (Number FF2.4)*
- [Poster presentation](#) at The American College of Cardiology; Annual Conference, 03/ 1999. Mori Y, Wanitkan S, Irvine T, **Wadia Y**, Gregory KW, et al., Studies of Laser Trans-myocardial Revascularization in Pigs, Using Wall Motion Evaluation and Intravenous Echo Contrast

Myocardial Perfusion.

- [Kaul Ajay, Wadia Y, Chauker AP](#). Bioprosthetic Valve Holder and Strut Inverter. *Indian Journal of Thoracic and Cardiovascular Surgery* 1992; 8(1): 065-066.
- [Poster Presentation The American College of Cardiology 2003 Reynolds Delgado, M.D., Yasmin Wadia, M.D, O.H. Frazier, M.D. et al](#) Role of BNP in patients and effect of Nesiritide in patients after AbioCor total artificial heart replacement.

## Patents

Patent number [6,680,063: Biocompatible albumin lamina and method](#)

Awarded on 20<sup>th</sup> January 2004

Patent pending:

[Denatured Albumin Suture Material: 20080119893](#)

[Denatured Human Albumin Biomaterial as Dressing for Burns and Wounds of Skin: 20080118551](#)

## Positions and Honors

- Member of the Australasian Society of Cardiac and Thoracic Surgeons' since November 1995.
- Member of the Indian Society of Cardio-thoracic Surgeons' since April 1997.
- Grant reviewer for the Division of Biology and Medicine, Swiss National Science Foundation Wildhainweg 20, CH-3001 Berne
- Member of the International Reviewers Panel (IRP) of Medical Science Monitor a peer reviewed Journal.
- Reviewer for the Journal of Heart Lung Transplantation
- Reviewer for the National Institutes of Health (NIH) Small business Innovative Research (SBIR) Grants

## License and Registration

- Permanent registration with the Indian Medical Council, New Delhi, India since 1982.
- Permanent registration with the Maharashtra Medical Council, Bombay, India in General Surgery since 1990.
- Permanent registration with the Maharashtra Medical Council in Cardiothoracic and Vascular Surgery since May 1993.

- Indefinitely Certified by the Educational Commission for Foreign Medical Graduates, Philadelphia USA; having passed United States Medical Licensure Examination (USMLE) Part I & II in November 1994. Passed the Clinical Skills Assessment (CSA) examination in November 2002.

### **Other Awards/Accomplishments**

The R.D. Sethna Scholarship Fund.  
The J.N. Tata Endowment.  
The Lotus Trust.  
The Manekji & Shirinbai Neterwalla Foundation.  
The Gharda Chemicals Scholarship Fund.  
The TISCO Scholarship Fund.  
The Kasturbai Walchand Charity Trust.  
The Tata Chemicals Golden Jubilee Foundation.  
The Sir Dorab Tata Trust.  
The Ratan Tata Trust.  
The Zoroastrian Funds of Hongkong Canton and Macao.  
The N.M. Wadia Charities.  
The Sorabji Behramji Bhabha Trust.  
The Paragon Trust.  
The A.H. Wadia Scholarship Trust.