

Curriculum Vitae

NAME: **Vijay Rai Marwaha, MD, MBA, FSCAI, FACC**

CITIZENSHIP: **United States of America**

EDUCATION: **Bachelors of Science with Honors in Chemistry**
The Pennsylvania State University,
University Park, PA
University Scholars Program.
Dean's Honor Roll: 7/7 semesters. May 1995

Masters of Business Administration
Case Western Reserve University,
Weatherhead School of Management, Cleveland, OH
Concentration: Health Care Administration and Finance
Weatherhead Academic Scholarship. May 1999

Doctorate of Medicine
Case Western Reserve University, School of Medicine,
Cleveland OH. May 1999

Internal Medicine Residency
The George Washington University Hospital,
Washington D.C. 07/1999 – 06/2002.

Cardiology Fellowship
Medical College of Virginia, Richmond VA
07/2002 – 06/2005

Interventional Cardiology Fellowship with Peripheral Training
Medical College of Virginia, Richmond VA.
07/2005 – 06/2006

PROFESSIONAL EXPERIENCE: Assistant Professor, Interventional Cardiology
Virginia Commonwealth University, Richmond, VA

Affiliate Clinical Assistant Professor
Department of Internal Medicine,
Medical College of Virginia, Richmond, VA.
Cardiovascular Associates of Virginia
Richmond, VA.

Admitting physician, Cardiology Telemetry Service,
Medical College of Virginia, Richmond, VA.

House Officer, Henrico Doctors Hospital,
Richmond, VA

House Officer, Chippenham HCA Hospital,
Richmond, VA.

CCU Physician, Medical College of Virginia,
Richmond, VA.

Research Associate, 3-D Echocardiology,
The Cleveland Clinic Foundation

**PROCEDURAL
CAPABILITY:**

Transthoracic and Transesophageal Echocardiography
Nuclear Cardiology
Holter and Event Cardiac Monitoring
Exercise and Chemical Stress testing
Consultative Cardiology
Left and Right Heart Catheterization
Expertise in RADIAL ARTERY CATHETERIZATION
Myocardial Biopsy
PTCA/ PCI including angioplasty, stent, rotational & laser
atherectomy, laser, Fractional Flow Reserve measurement,
IVUS.
Peripheral angiography and interventions including
Subclavian, Aorto-iliac disease, Renal, SFA and below the
knee interventions including angioplasty, stenting and
atherectomy

**PROFESSIONAL
ACCREDITATION:**

Diplomate of the American Board of Internal
Medicine in the specialty of Internal Medicine. 2002

Diplomate of the American Board of Internal Medicine in
the specialty of Cardiovascular Diseases. 2005.

Diplomate of the American Board of Internal Medicine in
the specialty of Interventional Cardiology. 2006.

Fellow of Society of Coronary Angiography and
Intervention

Fellow of the American College of Cardiology

Coronary CT angiography, Level 2. October 2007.

Diplomate of the Certification Board of Nuclear
Cardiology. December 2007.

RESEARCH: VIRTUA SITE PRINCIPLE INVESTIGATOR,
ODYSSEY TRIAL:
Multi-center, double blinded, placebo controlled, Duke
Cardiovascular Research Institute (DCRI) Sponsored trial
evaluating PCSK9 Inhibitor for hypercholesterolemia.
2013-14

American Chemical Society Conference
Washington D.C. August 1994

The Third Annual Undergraduate Research Fair
University Park, PA. April 1994

National Conference on Undergraduate Research
Kalamazoo, MI. April 1994

HOBBIES: Swimming, Skating, Traveling & Photography
Health Management and Policy

LANGUAGES: English, Hindi and Punjabi.

PUBLICATIONS:

Fadi Salloum, Ramzi Ockaili, Michael Wittkamp, **Vijay R. Marwaha**, and Rakesh C. Kukreja. Vardenafil: a novel type 5 phosphodiesterase inhibitor reduces myocardial infarct size following ischemia/reperfusion injury via opening of mitochondrial K_{ATP} channels in rabbits. *Journal of Molecular and Cellular Cardiology*. March 2006. Volume 40, Issue 3. Pages 405-411.

Rakesh C. Kukreja, Fadi Salloum, Anindita Das, Ramzi Ockaili, Chang Yin, Yvonne A. Bremer, Patrick W. Fisher, Michael Wittkamp, John Hawkins, Eric Chou, Amit K. Kukreja, Xiaoyin Wang, **Vijay R. Marwaha** and Lei Xi. Pharmacological preconditioning with sildenafil: Basic mechanisms and clinical implications. *Vascular Pharmacology*. Volume 42. Issues 5-6. April-May 2005, Pages 219-232

Marwaha VR, Italia DH, Esper F, and Hostoffer RW. Extreme Thrombocytosis in response to PEG-ADA: early therapeutic and risk indicator. *Clinical Pediatrics*. March 2000. 39(3): 183-186.

Deng, N., **Marwaha, V.R.**, Garcia, M.E., Benesi, A., and Mallouk, T.E. A new chiral cyclophane derived from 1, 1'-binaphthol and benzyviologen. *Tetrahedron Letters*, 06/95. Vol. 36, 7599-7602.

De Rosa, M., and **Marwaha, V.R.** Reaction of 1-substituted pyrroles with N-fluorodibenzenesulfonimide. *Hetrocycles*. 06/94. Vol. 37, 979-983.

ABSTRACTS:

Shinji Okubo, Patrick Fisher, Fadi Solloum, Ramzi Ockaili, **Vijay Marwaha**, Giuseppe Ambrosio, Michael Hess, Rakesh C. Kukreja. Angiotensin II Receptor Blockade With Losartan Reduces Apoptosis and Infarct Size Following Ischemia/reperfusion in the Rabbit Heart. *JACC*2005: vol.45(3),Supplement A. 252A.

Marwaha V, Shiota T, Qin JX, Bauer F, Tsujino H, Greenberg NL, Firstenberg MS, Travaglini A, Thomas JD. Real-time Three-dimensional Echocardiography for Determining Left Ventricular Size and Function: Comparison with Conventional M-Mode and Two-dimensional Echocardiography. *J Am Soc Echocardiogr*. 2000;13(5):490.

Bauer F, **Marwaha VR.**, Zetts A, Panza J. Non-invasive assessment of left ventricular chamber stiffness with real-time 3D echocardiography: Comparison with an invasive method in an animal study. *Circulation* 1999;100.

Bauer F, Shiota T, Qin JX, Tsujino H, Travaglini A, **Marwaha VR**. Change in Left Atrial Function during Acute Coronary Occlusion: A Pressure-Volume Loop Analysis. *Circulation* 1999;100(18): I-572.

Qin JX, Travaglini A, **Marwaha VR**, Xu Y, Firstenberg MS, Rodriguez LL. Change in the left ventricular stroke work during tilt test detected by real-time 3-dimensional echocardiography. *Circulation* 1999; 100(18): I-357.