

# **Manish Kumar Wadhwa, MD**

## **PERSONAL:**

Date of Birth: October 8, 1969  
Marital Status: married with two sons  
Citizenship: USA

## **PROFESSIONAL POSITIONS:**

Chief of Cardiology Section  
Scripps Mercy Hospital  
San Diego, CA  
1/07-12/08

Attending Physician  
San Diego Arrhythmia Associates  
San Diego, CA  
7/01 to present

Clinical Assistant Professor of Medicine  
University of California, San Diego  
San Diego, CA  
7/00 to present

Attending Physician  
San Diego Cardiovascular Associates  
San Diego, CA  
8/00 to 5/01

## **EDUCATION:**

7/98 to 6/00      Electrophysiology Fellowship  
UCSD Medical Center  
San Diego, CA

7/96 to 6/98      Cardiology Fellowship  
Thomas Jefferson University  
Philadelphia, PA

7/93 to 6/96      Internal Medicine Residency  
Thomas Jefferson University  
Philadelphia, PA

8/89 to 6/93      MD Degree  
Jefferson Medical College  
Philadelphia, PA

7/87 to 6/89      BS in Science  
Penn State University  
University Park, PA

**CERTIFICATION:**

1999      Cardiovascular Disease  
2000      Cardiac Electrophysiology

**LICENSURE:**

California  
Pennsylvania (inactive)

**HONORS:**

University of California, San Diego  
1999 Schulman Award Winner- presented to the  
Cardiology Fellow performing the most outstanding  
cardiovascular research for the 1998-99 academic  
year

Jefferson Medical College

Hobart Amory Hare Honors Medical Society  
NIH Research Program

Pennsylvania State University

Graduated with High Distinction  
University Scholars Program  
Alpha Epsilon Delta Premed Honors Society  
Golden Key National Honors Society  
Outstanding College Students of America

**RESEARCH:**

University of California, San Diego  
Division of Cardiology  
July 1998 to present

Garg, A, **Wadhwa M**, Brown K, Lockett C, Vaughn T, Birgersdotter-Green U,  
Feld G: Inappropriate Implantable Cardioverter Defibrillator Discharge from  
Sensing of External Alternating Current Leak. *J Intervent Cardiac Electrophysiol*  
7, 181-184, 2002

Rahme M, Leistad E, Subudhayankul S, Ungab G, Cotter B, **Wadhwa M**, Feld  
G: Persistence of atrial fibrillation after its induction- Importance of the  
duration and dispersion of atrial refractoriness and electrical remodeling. *J*  
*Cardiovasc Pharmacol Therapeut* 4(2): 113-120, 1999

Rahme M, Cotter B, Leistad E, **Wadhwa M**, Mohabir R, Ford A, Eglen R, Feld G: Electrophysiologic and antiarrhythmic effects of the selective serotonin 5-HT<sub>4</sub> receptor antagonist, RS-100302, in experimental atrial flutter and fibrillation. *Circulation* 100(19): 2010-7, Nov 9 1999

Garg A, **Wadhwa M**, Birgersdotter-Green U, Feld G: Electrophysiologic study reveals a high incidence of curable supraventricular arrhythmias causing paroxysmal atrial fibrillation in young patients with no structural heart disease. *PACE* 22: 842, 1999 (presented poster at NASPE 1999)

Rahme M, Cotter B, Leistad E, Mohabir R, Ford A, Eglen R, **Wadhwa M**, Feld G: Electrophysiologic and antiarrhythmic effects of the atrial selective 5-HT<sub>4</sub> antagonist RS-100302 in experimental atrial flutter and fibrillation in the pig. *PACE* 22: 743, 1999 (abstract)

**Wadhwa M**, Rahme M, Dobak J, LiH, Wolf P, Chen P, Feld G: Catheter Cryoablation of Canine Ventricular Myocardium. *Circulation* (supp) 100(18): I-66, Nov 2, 1999 (presented oral presentation at 1999 AHA)

Rahme M, Ungab G, Nguyen V, Gupta A, Yao B, **Wadhwa M**, Chien K, Feld G. Electrophysiologic mechanisms of the inducible ventricular tachycardia of murine HF-1b gene mutation associated with sudden death. *PACE* 23:558, 2000. (abstract)

Rahme M, **Wadhwa M**, Ungab G, Yao B, Gupta A, Feld GK. UC San Diego, CA Electrophysiologic and Antiarrhythmic Effects of the New Class 3 Antiarrhythmic Drug KCB-328 in Experimental Canine Atrial Flutter. *PACE* 23:623, 2000 (abstract)

**Wadhwa M**, Rahme MM, Dobak J, Hong L, Wolf P, Chen P, Feld GK. Transcatheter cryoablation of ventricular myocardium in dogs. *J Intervent Cardiac Electrophysiol* 4:537-546, 2000.

Garg A, Al-Kandari F, **Wadhwa M**, Rahme M, Tone L, Birgersdotter-Green R, Fujimura O, Feld G. Comparison of myocardial injury during ULV testing compared to standard DFT testing. *PACE* 23:753, 2000 (abstract)

Thomas Jefferson University  
Division of Cardiology  
June 1997 to July 1998

Greenspon A, Borge R, Panescu D, Nguyen T, Ormont M, **Wadhwa M**, Fertels S, Dupree D: Validation of a new nonfluoroscopic system for simultaneous multisite mapping and discrete three dimensional localization. *PACE* 21: 965, 1999

Jefferson Medical College  
Department of Pharmacology  
Summer 1991  
Research Director: Hideko Kaji, PhD

Utilizing DNA cloning techniques, radiolabeled DNA libraries to isolate the genome encoding for arginyl t-RNA transferase, believed to be a mediator of cellular apoptosis

### **CLINICAL RESEARCH:**

Reducing Episodes by Septal Pacing Efficacy Confirmation Trial: RESPECT  
(Medtronic)  
2008- present

InSync Registry (Medtronic)  
May 2007 – 08

Pacing Evaluation Atrial Support Study in Cardiac Resynchronization Therapy with Cardiopulmonary Exercise Testing (PEGASUS CRT-CPX)  
July 2006 - 08

Multisite Program to Access and Review Trending Information and Evaluate Correlation to Symptoms in patients with Heart Failure: PARTNERS HF  
(Medtronic)  
March 2006 – 08

Attain Delivery and Implant Registry: Model 4194 Lead (Medtronic)  
January 2005- July 2005

Localization of the Coronary Sinus Ostium: A New Guide to Assist with Cannulation (Medtronic)  
July 2004 – November 2006

CONTAK RENEWAL Heart Failure Heart Rate Variability Registry Using Guidant's CONTAK RENEWAL CRT-D, Model H135  
May 2003 – January 2005

ASsessing Syncope Using REveal (ASSURE) (Medtronic)  
June 2002- January 2003

Synergistic Effects of Risk factors for Sudden Cardiac Death Study: A Guidant Multicenter Clinical Application Research Field Following Study  
January 2002--March 2004

### **CONSULTING:**

Medtronic Regional EP Council of Advisors  
2003 – present

Guidant Regional Advisory Board  
2006 – present

Sanofi-Aventis Dronaderone Regional Advisory Board  
October 2005

**SPEAKING ENGAGEMENTS:**

- 10-00      *EP Today, Ritz Carlton, Carlsbad, CA*
- 11-00      *Current Antiarrhythmic Agents, Rainwater's on Kettner, San Diego, CA*
- 12-00      *Indications of Cardiac Pacing, Medtronic Regional Office, Woodland Hills, CA*
- 1-01        *EP Today, Rancho Sante Fe, CA*
- 2-01        *Syncope, Faculty presenter of Medtronic Sponsored Program, Mammoth Lakes, CA*
- 4-01        *Indications of Cardiac Pacing and Current Treatment of Atrial Fibrillation, Medtronic Headquarters, Minneapolis, MN*
- 6-01        *EKG Symposium, Rancho Sante Fe, CA*
- 3-02        *EP Clinical Cases, Mercy Resident Conference, San Diego, CA*
- 3-02        *EP Clinical Cases, Faculty presenter of Guidant Sponsored Program, Mammoth Lakes, CA*
- 4-02        *EP Clinical Cases, Mercy Resident Conference, San Diego, CA*
- 5-02        *EP Clinical Cases, Mille Fleur, Rancho Santa Fe, CA*
- 8-02        *Atrial Fibrillation: Treatment this millennium, Sharp Chula Vista Grand Rounds, Chula Vista, CA*
- 1-03        *EP Clinical Case Review, Mercy Resident Conference, San Diego, CA*
- 3-03        *Atrial Fibrillation, Faculty presenter of Guidant Sponsored program, Mammoth Lakes, CA*
- 7-03        *EP Today, Grand Rounds, Scripps Mercy Hospital*
- 10-03      *Arrhythmia Update, San Diego Filipino Physicians, San Diego, CA*
- 12-03      *AICD Indications, Resident Lecture, Scripps Mercy Hospital*
- 3-04        *Arrhythmia Update, San Diego Association of Indian Physicians*

5-04            *Treatment of Atrial Fibrillation*, Grand Rounds, Alvarado Hospital

6-04            *Current Heart Failure Treatment*, Anaheim, CA

8-04            *AICD Therapy: New Data*, Resident Lecture, Mister A's

9-04            *Arrhythmia Update*, Grand Rounds, Scripps Mercy Hospital

11-04           *12 Lead EKG Interpretation*, Paramedic CME, Alvarado Hospital

2-05            *Current Heart Failure Treatment*, Anaheim, CA

3-05            *Arrhythmia Update*, Grand Rounds, Scripps La Jolla

3-05            *Arrhythmia Update*, Grand Rounds, Alvarado Hospital

6-05            *Atrial Fibrillation*, Faculty presenter of Guidant Sponsored program, Las Vegas, CA

7-05            *Arrhythmia Update*, Mister A's

8-05            *Arrhythmia Update*, Grand Rounds, Palomar Hospital

9-05            *Current AICD Therapy*, Grand Rounds, Scripps Mercy Hospital

9-05            *Contemporary SVT*, Faculty presenter of Guidant Sponsored program, Napa, CA

10-06           *Current AICD Therapy*, Grand Rounds, Alvarado Hospital

10-06           *Arrhythmia Update*, Resident Lecture, Scripps Mercy Hospital

10-06           *Frontiers in Medicine: Arrhythmias*, Scripps Mercy Hospital Foundation Lecture

10-06           *Contemporary SVT*, Faculty presenter of Guidant Sponsored program, Santa Barbara, CA

7-07            *Contemporary SVT*, Faculty presenter of Guidant Sponsored program, Newport Beach, CA

5-09            *Brugada Syndrome*, Faculty presenter of Medtronic Sponsored Program, Las Vegas, NV