

**BACKGROUND:**

- Born in India. Came to Canada in 1966 and grew up in Fredericton, New Brunswick, Canada
- have two sons- Shailin and Ishaan 1 daughter -Vrushali
- Graduated in the top 10 in 1987 from Dalhousie Medical School, Halifax, Nova Scotia
- Completed Internal Medicine and Cardiology residency training at the University of Toronto
- Completed Cardiology Clinical Research Fellowship at St. Michael's Hospital, Univ of Toronto, 1994
- Staff Cardiologist, Rouge Valley Health System, Centenary site, Toronto, ON, 1994-2002
- Relocated to Atlanta, GA, June 2002, Cardiologist, Northside Cardiology 2002-10, Atlanta Heart Specialists LLC -2010- present

**KEY CURRENT POSITIONS:**

- Staff cardiologist, Northside Forsyth, Emory- Johns Creek, St Joseph's, Decatur, Hillandale
- Director, Clinical Research Program, Atlanta Heart Specialists, LLC
- Clinical Assistant Professor – Medical College of Georgia at Augusta University, Augusta, GA
- Senior Clinician Scientist /Director– Canadian Collaborative Research Network (CCRN)
- Board of Directors- SANSAR (South Asian Network Supporting Awareness and Research)

**KEY PAST POSITIONS:**

- Clinical Assistant Professor – Emory University, Div of Cardiology, Atlanta, Georgia
- Chair, Section of Cardiology, Northside Hospital (Atlanta and Forsyth campus)
- Vice Chair- St Josephs Research Institute, Board Member SJTRI
- American College of Cardiology – Atlanta representative on ACC-GA Chapter Council
- Secretary and National Executive Council Member, Canadian Cardiovascular Society (CCS)
- Lecturer, Division of Cardiology, Department of Medicine, University of Toronto
- Chair and founding member, Greater Toronto Area Community Cardiologists (GTACC)
- President of the Medical Staff Society, RVHS- Centenary Health Centre
- Board of Governors, Medical Staff Society Rep, RVHS-Centenary Health Centre
- Board of Directors, Physician Representative, RVHS-Centenary Health Centre Foundation
- Medical Director, Pacemaker/ICD Program and Cath Lab, RVHS-Centenary Health Centre

**KEY PROFESSIONAL MEMBERSHIPS:**

- Fellow of the American College of Cardiology (FACC), American Heart Association (FAHA)
- Board Certified in Cardiology and Internal Medicine both in Canada and the United States.

**RESEARCH EXPERIENCE:**

- Published over 30 articles and 70 abstracts on a wide range of topics in cardiology
- Principal site investigator on over 125 key national and international clinical trials.
- Actively designs and conducts independent investigator initiated clinical research
- Former Member St Joseph's Hospital IRB, SJRI, SJTRI and Northside Cardiac Research group

**AWARDS AND SCHOLARSHIPS:**

- Recipient of numerous awards and scholarships throughout high school, undergraduate and postgraduate training for academic merit and leadership skills
- Recipient of many awards of recognition for hospital and community service in Toronto
- Recipient of multiple research awards and grants for ongoing projects; focus on East Indian and other ethnic heart disease, health outcomes research and heart failure.

**MISCELLANEOUS INFORMATION:**

- Enjoys teaching medical students and post-graduate trainees
- Invited to deliver lectures on various topics within the field of cardiovascular medicine.
- Outside interests include live theatre, movies, music, travel, team sports, skiing and golf

# Curriculum Vitae–Narendra Singh

## PERSONAL DATA

**Date of Birth** June 10, 1963  
**Place of Birth** Saraiya, India  
**Children** 2 sons, 1 daughter  
**Citizenship** American  
**Languages** English, some Hindi



### HOME ADDRESS

3325 Piedmont Road #2105  
Atlanta, GA 30305  
cell (404)-384-7227 [narendra.singh@yahoo.com](mailto:narendra.singh@yahoo.com),

### OFFICE ADDRESS

Atlanta Heart Specialists,LLC. – 1400 Northside Blvd, Suite 200, Cumming, GA 30041  
(P) 678-679-6800 (F) 678-679-6804 E-mail- [DrSingh@ahsmed.com](mailto:DrSingh@ahsmed.com)  
Main office – 1468 Montreal Rd, Tucker, GA 30084 for more info [www.heartdrsingh.com](http://www.heartdrsingh.com)  
[Also work with Osler Cardiology Associates and Brampton Research Associates in Canada](#)

### HOSPITAL AFFILIATIONS

Northside Hospital Forsyth, 1200 Northside Blvd, Cumming, GA, 30041 (P) 770-844-3200  
Also work at Emory Hospitals -St Josephs,Johns Creek, Decatur and Hillandale sites

## BRIEF CHRONOLOGY

**2010 – Present** – Cardiologist, Research Director, Atlanta Heart Specialists LLC, Atlanta, Georgia.  
**2011 – Present** – Clinician Scientist, Canadian Cardiovascular Research Network, Brampton, Canada  
**2012- Present** – Clinical Assistant Professor, Medical College of Georgia at Augusta University  
2002-2011- Clinical Assistant Professor, Emory University, Div of Cardiology, Atlanta, GA  
2002-2010- Cardiologist and Partner, Northside Cardiology, PC, Atlanta, Georgia  
1994 -2002 - Staff Cardiologist, Dept.of Medicine, RVHS - Centenary site, Toronto, Ontario  
1994 -2002 - Lecturer, Department of Medicine, University of Toronto, Toronto, Ontario  
1993-1994 - Completed Cardiology Research Fellowship at St. Michael's Hospital, Toronto.  
1991-1993 - Completed residency training in Adult Cardiology at the University of Toronto  
1988-1991 - Completed residency training in Internal Medicine at the University of Toronto  
1987-1988 - Completed rotating internship at St. Michael's Hospital, University of Toronto.  
1983-1987 - Graduated from Dalhousie University Medical School, Halifax, Nova Scotia.  
1981-1983 - Completed 2 yrs of a Bachelor of Science degree, Dalhousie Univ, Halifax, N.S.  
1978-1981 - Graduated from Fredericton High School, Fredericton, New Brunswick.  
1975-1978 - Graduated from Nashwaaksis Junior High School, Fredericton, New Brunswick.  
1969-1975 - Completed elementary school training in Fredericton, N.B. and Ottawa, Ontario.

## **Summary of Public School and Undergraduate Training (1975-1987)**

### 1. **Academic Performance**

**1983-1987-** Dalhousie University, Faculty of Medicine, Graduated with M.D. degree, ranking 10th out of 98 students

- Distinctions were obtained in 14 courses and the following clerkship rotations:  
*Medicine, Pediatrics, Surgery*
- Clerkship Electives were done at:
  - *Toronto General Hospital*, Toronto, Ontario, *Emergency Medicine*  
Supervisors: Dr. B. Rowat , Dr. L. Greenspan
  - *Brigham and Women's Hospital*, Boston, Massachusetts, *Cardiology*  
Supervisors: Dr. B. Lown , Dr. T. Graboys
- Please note ; University Transcripts are available upon request.

**1981-1983-** Dalhousie University, 2yrs of a Bachelor of Science, Biochemistry Major, Overall G.P.A. = 3.7 = A obtained early admission to medical school

**1978-1981-** Graduated from Fredericton High School with second highest academic standing.

**1975-1978-** Graduated from Nashwaaksis Junior High School with highest academic standing.

### 2. **Extra-Curricular Involvement**

- Selected student rep on the Admissions Committee for the Faculty of Medicine -1986
- Dalhousie Medical Student Society (DMSS), representative on the Professional Assoc. of Residents and Interns for the Maritime Provinces (PARI-MP) Council - 1987
- Chairperson of the DMSS constitutional committee.-1987
- Course representative for my class in - Pharmacology (2nd year); Human Sexuality, Pediatrics, Medicine, Surgery, Family Medicine (3rd year)-1986-87
- Organizing Committee for the DMSS annual charity auction and book sale -1985-86
- Lab Instructor for Biology 1000 course. 1984-85
- Treasurer of the Dalhousie Science Society (DSS)-1984
- DSS Representative for the Dalhousie Association of Biology Students-1983
- Student rep on the Dalhousie undergraduate scholarship committee.1982-83
- Student representative on the Dalhousie undergraduate curriculum committee.1982
- President of one of the houses in the Howe Hall Men's Residence Complex and House representative on residence council -1982-83
- Treasurer of the high school Student Council -1981
- Managing Editor of the High School Paper-1980-81
- Chairperson of the high school's first Annual Year End Activities Banquet -1981
- Model Parliament treasurer and participant- 1979-81
- Student Council Class Representative-1979-80
- Member of the stage crew for the high school's annual musical production-1980-81
- Active in many intramural sports activities eg. hockey, soccer, baseball, and football.

### 3. **Major Awards/Scholarships**

- Selected to the Alpha Omega Alpha (ΑΩΑ) Honour Medical Society recognizing "Academic Achievements as well as Outstanding Personal Qualities, Contributions, and Achievements"-1987
- Awarded \$1000 Proctor and Gamble Award of Excellence at Dalhousie Univ in recognition of "Outstanding Academic Achievement and Extra-Curricular Involvement"-1986
- Awarded \$500 scholarship for 3rd highest academic standing in 2nd year med -1985
- Awarded CV Mosby Book Prize for Scholastic Excellence in 2nd year medicine-1985
- Awarded conference trip-"Research Frontiers in Diabetes Mellitus" in Toronto-1984
- Awarded \$250 scholarship for fifth highest academic standing in 1<sup>st</sup> yr medicine-1984
- Awarded \$3000 summer research studentship, funding by the Nova Scotia branch of the Canadian Diabetic Association-1984
- Awarded \$1000 entrance scholarship into the Faculty of Medicine-1983
- Awarded \$600 in-course scholarship by the Faculty of Science-1983
- Presented the Howe Hall Outstanding Leadership Award in recognition of accomplishments achieved as president of Studley House-1983
- Presented appreciation plaque by residents of Studley House, Men's Residence-'83
- Awarded \$1300 in-course scholarship by the Faculty of Science -1982
- Awarded \$2000 Dalhousie University's top entrance scholarship - 1981
- Awarded \$1000 Regent Mall Scholarship -based on student involvement and high academic standing-1981
- Awarded Birk's Medal for Leadership in Student Activities at F'ton High School-1981
- Presented the Citizenship Award for "Highest Contribution to the extra-curricular program at Fredericton High School"-1981
- Awarded Victoria Lodge Prize for the second highest academic standing at high school graduation (94%)-1981
- Presented three black "F" awards for academic excellence and outstanding extra-curricular involvement over 3 years of high school-1981
- Awarded C.W. Hall's Bookstore prize for highest standing in Grade 12 History –1981

## ***Summary of Undergraduate Research Experience (1982-1987)***

### **Summer 1984**

Dalhousie University - Studied the effects of oral hypoglycemics on skeletal muscle insulin sensitivity and responsiveness.

*Reference* - Dr. M.H.Tan, Chief of Medicine, Halifax Infirmary Hospital (902) 421-7510

### **Summer 1982,1983**

Agriculture Canada - Research into the effects of abiotic and agronomic factors on population dynamics of aphid predators in potato fields.

*Reference* - Dr. G. Boiteau, Division of Plant Pathology, Fredericton, N.B. (506) 452-3260

### **1982-1983**

Dalhousie University - Research into the Alcohol Expectancy Effect and its influence on motor skills performance.

*Reference* - Dr. P. Dunham, Department of Psychology, Halifax, N.S. (902) 424 –2211

**1. Postgraduate Training**

- 1993 -'94 -** (PGY-7) Clinical Research Fellowship, University of Toronto, Ontario  
*Supervisor -* Dr. Anatoly Langer, St. Michael's Hospital  
*Projects -* Post MI Outcomes and Resource Utilization Analysis, Heart - Rate Variability Post MI, ST Shift in Unstable Angina, Time to Treatment  
Also did diagnostic cardiac catheterizations 1/2 day /week at SMH/TGH.
- 1991 -'93 -** (PGY- 5,6) Adult Cardiology at the University of Toronto, Ontario  
base hospitals - St. Michael's Hospital, and The Toronto Hospital, Toronto General and Western divisions  
electives done -pediatric cardiology, adult congenital heart disease, pre - cardiac transplantation, diagnostic cardiac catheterization
- 1988 -'91-** (PGY-2,3,4) Core Internal Medicine at the University of Toronto, Ontario  
base hospitals - St. Michael's Hospital, and The Toronto Hospital, Toronto General and Western divisions
- 1987 -'88 -** (PGY-1) Rotating Internship at St. Michaels Hospital / Hospital for Sick Children, University of Toronto, Ontario. Rotations as follows:  
8 weeks; pediatrics, medicine, ob/gyn, psychiatry, emergency medicine.  
4 weeks; medical/surgical ICU, orthopedics, radiology

**2. Post-Grad Awards/Scholarships**

- Awarded Heart and Stroke Foundation of Canada Research Fellowship Award (\$42,585) for 1994-'95 (declined as I accepted a staff position)
- Awarded second prize in Annual Higgins' Resident Research Day competition - 1994
- Awarded Univ of Toronto Pettit Research Fellowship, Dept of Medicine (\$41,295)-1993
- Awarded 1st prize in the U.B. Cardiology Resident Research Day competition - 1993
- Awarded second prize in Annual Higgins' Resident Research Day competition - 1992
- Awarded third prize in Annual Higgins' Resident Research Day competition - 1990

**3. Other Post-Grad Activities**

- Cardiology Resident rep, Div of Cardiology Postgraduate Training Committee 1991-93
- Resident co-ordinator for the Royal College Oral Exams at the Toronto Hospital -1991
- R3 rep on the Residency Training Committee for the Toronto Hospital - 1990- '91
- Representative on Dept. of Medicine On-Site Evaluation committee; 1988- 1991
- Representative on the Interns Education and Liason Committee for 1987-88.

**4. Graduate Courses**

- Introduction to Clinical Epidemiology Univ of Toronto (4.0 GPA) Jan 1994
- Accepted in U of T Masters Program in Clinical Epidemiology (declined) Jul 1994

## **Summary of Professional Achievements**

**(1987 - present )**

### 1. **Hospital Appointments**

- **Currently;** Staff Cardiologist, Northside Hospital July 2002-**present**  
Staff Cardiologist, Emory St. Joseph's Hospital, July 2002-**present**  
Staff Cardiologist, Emory Johns Creek Hospital, January 2007 –**present**  
Staff Cardiologist, Dekalb Medical, July 2010 –**present**
- **Previous;** Staff Cardiologist, RVHS-Centenary site, July 1994 to June 2002

### 2. **Current Medical Licenses**

- Province of Ontario                      CPSO Registration # 58438
- State of Georgia                            Medical License # 37905  
DEA# BS7629782  
NPI # 1760477202

### 3. **Major Licensing Exam Results**

- ABIM Recertification Exam in Cardiovascular Disease                      **Passed April 2015**
- ABIM Recertification Exam in Cardiovascular Disease                      **Passed May 2004**
- NASPE-Special Competency Cardiac Pacing & AICD                      **Passed Sept 1999**
- Certification Board of Nuclear Cardiology Exam                      **Passed Oct 1998, Dec 2007**
- ABIM Certifying Exam in Cardiovascular Disease                      **Passed Nov 1995**
- Royal College Exams for Certificate of Competence in Cardiology                      **Passed Nov 1993**
- Royal College Oral Exams in Internal Medicine - F.R.C.P.(C)                      **Passed June 1992**
- American Board of Internal Medicine (ABIM) Certifying Exam                      **Passed Sept 1991**
- Royal College Written Exams in Internal Medicine                      **Passed Sept 1990**
- FLEX Components I and II (Michigan)                      **Passed June 1988**
- Licensing Exam -Medical Council of Canada -LMCC                      **Passed May 1987**

### 4. **Key Professional Memberships**

- Fellow, American Heart Association (FAHA)
- Fellow, American College of Cardiology (FACC)
- Fellow, Royal College of Physicians of Canada, (FRCP(C))
- Fellow, Canadian Cardiovascular Society (FCCS)
- Member, Medical Association of Georgia (MAG)
- Member, Ontario Medical Association (OMA)
- Member, College of Physicians and Surgeons of Ontario (CPSO)

### 5. **Other Interests**

- Active in the organization of South Asian multicultural events, charity
- Enjoy reading/audiobooks, live theatre, movies, music, travel, dining, skiing, golf

## **Summary of Committee Memberships/Panels/Working Groups (1994 - present)**

### **Hospital: Current Positions:**

none

### **Hospital: Past Positions – Atlanta, Georgia:**

Chief, Section of Cardiology, Northside Hospital (main campus and Forsyth) **2004-2006**  
Northside Hospital Cardiac Research Subcommittee –**2003-2010**  
Northside Forsyth PCI Subcommittee-**2009-2010**  
Northside Hospital Cardiology Executive Committee – **2005- 2006**  
St. Joseph’s Hospital Women and Heart Disease Board – **2006-2008**  
Clinical Methods Coordinator for Emory Univ Medical Students – NSH –**2002- 2008**  
St. Joseph’s Hospital Research Institute – Vice Chair – **2008 – 2009**  
St. Josephs Hospital CV Partners LLC- Operations and QA committee 2009  
St. Josephs Hospital Heart Failure Advisory Board- **2005-2009**  
St. Josephs Hospital Translational Research Institute- Board Member- **2009**  
St. Josephs Hospital Institutional Review Board- member -**2008-2009**

### **Hospital: Past Positions in Toronto, Canada:**

Medical Director – Scarborough Cardiology Research Organization, 1999 - 2002  
Medical Director - Pacemaker /ICD Programme, 1995-2002  
Medical Director – Cardiac Cath Lab, 1999-2001  
Chairperson - Cardiac Care Educational Rounds, 1995-2002  
Chairperson- Data Mgmt and Advisory Committee, C.A.R.E. Clinic, 2000- 2002  
Chairperson, MAC Education Committee, 1997- 1999  
Chairperson, Cardiac Care Program Quality Assurance, 1995-1998  
Chairperson – Cardiac Program Endowment Fund Committee, 1999-2001  
Board Member, Physician Rep - Board of Directors, CHC Foundation, 1997-2001  
Physician Rep-Major Gifts Committee CHC Foundation, 1997- 1999  
President, Medical Staff Society (MSS), 1996-1997  
Vice-President, Medical Staff Society, 1995-1996  
Secretary - Medical Staff Society, 1994-1995  
MSS Rep, Board of Governors, 1995-1997  
MSS Rep-Strategic Planning committee, 1996-1997, Credentials committee, 1996-1997  
MSS Rep- Medical Advisory Committee (MAC), 1995-1997, Finance Committee, 1995-1996  
Secretary, Dept of Medicine Business Meetings, 1994-1995  
Member - MAC Research Committee, 1995-1999  
Cardiologist Rep, Medical Program Clinical Management Committee, 1997-1999  
Dept of Medicine Rep - Cardiac Arrest Committee, 1994-1999  
Cardiac Program Rep on MAC Quality Assurance Committee - 1996-1997  
Cardiologist Rep, Cardiac Care Community Advisory Committee - 1996-2002  
Member-Annual Cardiology Day of Excellence Planning Committee, 1998-2002  
Cardiologist Rep, Cardiac Care Teaching Committee, 1994-1997  
Medical Program Representative - MAC Quality Assurance Committee, 1994-1995.  
Member- Annual Clinic Update Day organization committee, 1994-1996  
Physician Representative, Medical Program Utilization Committee, 1995-1996  
Member- Cardiac Rehabilitation Development Committee, 1994-1996  
Member - Cardiac Program Management Committee, 1996- 2002  
Member - Cardiac Diagnostics , Clinical Cardiac Care , Pacemaker/ICD Committee, 1994-2002

## **Summary of Committee Memberships/ Panels/Working Groups (1994 - present)**

### **Regional- Current Positions in Georgia**

none

### **Regional- Past Positions in Georgia**

Atlanta Representative – GA chapter ACC Council – 2008-2014  
Member - Kaiser Permanente CHF/CAD Working Group 2002-2006  
Member – AHA board of directors, Metro Atlanta Division 2005-2008  
Chair ACC-Georgia – Annual Scientific Sessions CME Planning Committee 2005-2010

### **Regional- Past Positions in Ontario, Canada:**

Member, GTACC/Uof T Steering Committee 1999-2000  
Chair, GTACC Informatics Committee, 1999 -2001  
Chair - GTACC (Greater Toronto Area Community Cardiologists Association) 1996-1999  
Executive Committee Member - GTACC, 1995- 2001  
Medical Advisor - Scarborough Heart Health Network, 1995 - 1998  
Co-Chair, GTACC Summer Retreat 1997  
Co-Chair, GTACC/Univ of Toronto Summer Retreat 1998  
Chair, Medtronic Ontario Physician's Pacemaker Symposium, 1998  
Chair, Bayer Cardiology Weekend Retreat, 1999  
Planning Committee, St Michael's Annual Cardiology for the Practitioner Day –1998  
Planning Committee, GTACC/Univ of Toronto Summer Retreat 1999, 2000,2001, 2002  
Planning Committee, GTACC Fall Retreat 1999,2000,2001,2002  
Planning Committee, GTACC Clinical Research Symposium, 2000,2001  
Member – Advanced Cardiac Services Task Force 1997-2002

### **National/International – Current Positions in USA:**

Director – SANSAR - South Asian Network Supporting Awareness and Research 2014-Present

### **National/International – Past Positions in Canada:**

Panelist-Ask the Expert - Diabetes and Ethnicity, AHA Scientific Sessions,2012  
Panelist- Risk Stratification in a Multicultural Society, CCS Scientific Sessions, 2010  
Panelist - Coronary Heart Disease in South Asians, AHA Scientific Sessions, 2005  
Panelist - Coronary Heart Disease in South Asians, CCS Scientific Sessions, 2006  
Member – Am College of Cardiology, Assessment Working Group, 2007-2010

### **National/International – Past Positions in Canada:**

Secretary, Canadian Cardiovascular Society (CCS) 2000- 2002  
Executive Committee, Canadian Cardiovascular Society (CCS) 2000- 2002  
Executive Committee, Canadian Cardiovascular Academy, 2000 –2002  
Council Member, Canadian Cardiovascular Society (CCS) 1999- 2002  
Chairperson, Membership Committee CCS, 2000-2002  
Member, CCS Sponsorship Working Group, 1999  
Member, CCS Nominating Committee, 1999, 2000, 2001  
Co-Chair, St. Judes Medical 1st Annual Canadian Arrhythmia Symposium, 1998  
Co-Chair, St. Judes Medical 2nd Annual Canadian Arrhythmia Symposium, 1999  
Co-Chair, St. Judes Medical 3<sup>rd</sup> Annual Canadian Arrhythmia Symposium, 2000  
Co-Chair, St. Judes Medical 4th Annual Canadian Arrhythmia Symposium, 2001  
Primary panel, CCS Consensus Conference on Cardiac Transplantation, 2001  
Co-chair, CCS Satellite Symposium – Metabolic syndrome - 2002  
Co-chair, CCS Community Cardiologist Forum – 2001



## ***Summary of University Clinical Teaching Experience (1994- present )***

### **Atlanta Teaching;**

- Mercer and Augusta University PA Students - cardiology electives
- PCOM osteopathic students- Suwanee Campus- cardiology electives
- 2<sup>nd</sup> yr Emory Medical students – Clinical Methods Course
- Emory Cardiology Fellows – Grady Memorial Hospital Cardiology Clinic
- Emory PA students doing community cardiology electives
- 3<sup>rd</sup> and 4<sup>th</sup> yr medical students doing community cardiology electives

### **University of Toronto Teaching;**

- Clinical Clerk Seminars - “Congestive Heart Failure”, St. Michael’s Hospital, 1995-1996
- Ambulatory Clinic Experience for cardiology fellows, 1994-2002
- Community Cardiology Elective for cardiology fellows, 1994-2002
- Community Cardiology Elective for 3<sup>rd</sup> and 4<sup>th</sup> yr medical students, 1994-2002
- “Health in the Community” Elective preceptor –1999-2000

## ***Summary of Special Training /Certification (1994 - present )***

- **1995-1996** -Completed CMA- Physician Management Institute (PMI) program (courses I-IV)
- **1994-1997**- Advanced Pacemaker Function Courses with Medtronic and St.Judes Medical
- **1995**- HP - Stress Echo techniques, interpretation and utilization course
- **1996**- ICD Training courses with CPI, Medtronic and Telectronics
- **1997**- Indiana University, Interpretive Stress Echo Course
- **1998**- Am Soc Nuclear Cardiology, 3rd Annual Tutorial in Nuclear Cardiology
- **2001**- certification with Datascope on IABP insertion
- **2002**- certification with St Judes Medical on Angioseal closure device
- **2003**- certification with Duett vascular closure device
- **2003**- certification with St Judes Medical, Pacemaker Implantation Course
- **2006**- HRS –ICD/CRT Device Implantation and follow up course
- **2007**- Am Soc Nuclear Cardiology, 7th Annual Tutorial In Nuclear Cardiology
- **2008**- CTA Course, Denver, Level II certification

## ***Summary of Group Practice Involvement (2002 - present )***

- Physician Manager of Diagnostic Lab, Northside Cardiology PC – 2002-2005
- Director of Cardiac Research, Northside Cardiology PC- 2003-2010
- Physician Manager of Website, Northside Cardiology PC, 2004-2008
- Director of Cardiac Research, Atlanta Heart Specialists LLC- 2010-**present**

## **Summary of Medical Industry Involvement (1994 - present )**

1998-99	Cardiology Preceptorship Experience – Searle Canada
1999	Contributor, Canadian Journal of CME
1998	Regional Lipid Advisory Board, Merck Canada
1999	Cardiology Consultant, Drug Intelligence Inc, Toronto
2000	National Standard Order Advisory Panel, Sanofi Canada
2001-03	National CAD Advisory Board, Pfizer Canada
2001	National Cardiac Advisory Board, Biovail Canada

**Ongoing** – active within pharma/device industry and professional medical organizations as a speaker, consultant, facilitator and CME organizer.

### **Current Speakers Bureau;**

**Regional** - Sanofi/Regeneron, Novartis, Amgen, Portola

**National** - Astra Zeneca, Janssen, Boheringer Ingelheim, Eli Lilly

Have served on multiple national and regional Speaker's Bureau and advisory boards

## **Summary of Internal Hospital Publications (1994 - present)**

### **Contributing Author**

1994	Cardiac Care Program Strategic Plan
1995	Cardiac Care Program Strategic Plan Update
1995	3M Quality Healthcare Award - Your Heart is in Good Hands
1995	A Proposal to Establish A Cardiac Rehabilitation Program
1996	Cardiac Care Program Strategic Plan Update
1996	Regional Cardiac Care Center Proposal
1997	Cardiac Care Program-Strategic Plan
1997	Cardiac Care Hospital Accreditation Document
1998	Regional Advanced Cardiac Services Proposal
1998	Cardiac Care Program Strategic Plan
1999	High Risk Cardiac Intervention Service Proposal
1999	Response to CCNO on PM/ICD Services at CHC

### **Principal Author**

1995	Dept of Medicine Annual QA Report
1996	Dept of Medicine Annual QA Report
1996	Effect of Early Ambulation on Hematoma Formation and Vascular Complications Study
1996	Cardiac Care Program Annual QA Report
1996	Implantable Cardioverter Defibrillator Follow-up Proposal
1997	Differential Effects of ACEI on QOL and exercise in Cardiac Rehabilitation Study
1998	Your Heart Is In Good Hands - Cardiac Care Program Brochure
1998	Cardiac Care Program Annual QA Report
1998	Dept of Medicine – CME Maintenance of Competency Policy

## Summary of Clinical Research Trials Participation (1994- present )

### Principal Site Investigator- USA

IRIS- rosuvastatin vs atorvastatin in South Asians, one of the top enrolling US sites  
ACCOMPLISH- outcomes trial using combination antihypertensives  
EVEREST- tolvaptan in acutely decompensated CHF  
OPTIMIZE-HF registry- in hospital CHF registry  
LIFE- Guidant pacemaker trial  
AWARE- Guidant pacemaker trial  
Affects Registry- outpt atrial fibrillation registry  
ULTRA- Guidant pacemaker trial  
RELY- dabigitran vs warfarin in atrial fibrillation  
TIMI 42 IMPROVE IT- ezetemibe on top of simvastatin in acute coronary syndrome  
RED-HF- darbopoeitin in CHF pts  
LTAP- Pfizer lipid management registry  
CLEAR- Biotronik CLS technology pacemaker trial  
TIMI 46 ATLAS- rivaroxaban dosing study in acute coronary syndromes  
CURRENT OASIS 7- high dose clopidogrel and ASA in ACS, *4<sup>th</sup> highest enroller in the USA*  
RIVAL – radial vs femoral PCI in ACS pts  
OMACOR-AFIB- high dose omega 3's in atrial fib- *top enrolling site in the study*  
RATE REGISTRY- St Judes pacemaker trial, *15<sup>th</sup> highest enrolling site*  
ASCEND HF- neseritide in acutely decompensated CHF  
TRILOGY-ACS- prasugrel vs clopidogrel in medically managed ACS  
TIMI 50 TRA-2P- vorapaxar in stable atherosclerotic disease, *top enrolling site in the USA*  
NATURE- Sorin pacemaker trial, *tied for highest enrolling USA site*  
Dal outcomes trial- dalcetrapib in ACS  
TIMI 48 ENGAGE–AF- edoxaban in atrial fib, *4<sup>th</sup> highest enrolling site in the USA*  
ALTITUDE- aliskiren outcomes trial in diabetic hypertensives  
TIMI 52 SOLID – LpPLA2 inhibitor darapladib in ACS pts  
BRADY-CARE- St Judes pacemaker trial  
EMERALD- Sorin pacemaker trial  
TIMI 54 PEGASUS- ticagrelor in chronic CAD – *silver medal enrolling site*  
PALLAS- dronedarone in permanent atrial fibrillation  
ASPECT- apadenosan vs adenosine in nuclear imaging  
SAVOR TIMI 53- saxagliptin in diabetes and CAD –*high enrolling site despite late participation*  
ASPECT II- apadenosan vs adenosine in nuclear imaging  
REVEAL TIMI 55/HPS3 – ancetrapib/atorvastatin in CAD and high risk diabetics  
DALOUTCOMES II– dalcetrapib in stable CAD and diabetics – *top enrolling site worldwide*  
REDUCE-IT- EPA ethyl esters in CAD and high risk diabetics – *high enrolling site*  
CANTOS – canakinumab IL-1 monoclonal antibody in post MI pts with high CRP  
Takeda angina – febuxostat in chronic angina patients  
ODYSSEY Longterm- PCSK9 inhibitor in stable CAD – *high enrolling site in USA*  
ODYSSEY Outcomes- PCSK9 inhibitor in ACS pts - *high enrolling site in USA*  
EUCLID – ticagrelor vs clopidogrel in PVD *high enrolling site in USA*  
ACCELERATE – evacetrapib in ACS *high enrolling site in USA*  
SIELLO - Biotronik lead evaluation clinical study *high enrolling site in USA*  
GRAND – TAK 875 in diabetic pts  
DECLARE TIMI 58 – Dapagliflozin in diabetic pts  
CIRT – Methotrexate in CAD pts  
GLORIA phase 1-3 – BI atrial fibrillation registry *high enrolling site in USA*  
CAMELLIA TIMI 61- lorcacerin-Belviq in high risk obese and overweight pts *high enrolling site*

## **Summary of Clinical Research Trials Participation (1994- present )**

ORBIT II- atrial fibrillation Registry *high enrolling site in USA*  
COMMANDER HF- Rivaroxaban in ischemic CHF  
TIGRIS- AZ ACS registry post PCI  
THEMIS- Ticagrelor in high risk diabetic pts  
PARAGON HF- ANRI in preserved EF heart failure  
CARMELINA- linagliptin in pts with diabetes, CAD and renal insufficiency  
GEMINI – Rivaroxaban in ACS  
VOYAGER- Rivaroxiban in PVD pts  
AUGUSTUS – apixaban vs warfarin post PCI in afib pts with DAPT or TAPT  
CADLAD – advanced analytics to assess for CAD  
HARMONY- albiglutide in diabetic pts to reduce CV events  
XL PAD- Vorapaxar vs. Placebo in PAD pts  
PARADISE MI – Entresto vs. Ramipril in AMI pts  
PROMINENT – Pemafibrate vs. Placebo in high TG diabetic pts  
CLEAR – Bempedoic acid vs Placebo in statin intolerant pts  
EMPEROR- empagliflozin in HFPEF pts  
DAPA-HF- dapagiflozin in HFREF pts  
ST JUDES BRADY MRI – Post approval MRI PM follow up  
GOULD- PCSK9 Registry  
LOWER- Juxtapid Registry  
SELECT- Semaglutide in overweight non diabetic pts  
ORION 4/HPS4- Inclisarin in CVD pts

### **Co-Investigator- USA**

Adenosine Nuclear Stress - role of exercise during adenosine infusion, helped design study  
FUSION II- outpt neseritide infusions for CHF  
Ranolazine Dosing Trial- inpt high dose ranolazine trial  
TOPCAT- aldactone in diastolic heart failure  
ROCKET AF – rivaroxaban in atrial fibrillation  
CARDIOMEMS- wireless PA sensor for CHF monitoring

## **Summary of Clinical Research Trials Participation (1994- present )**

### **Principal Site Investigator- Canada**

CARS- low dose ASA and warfarin in ACS, one of the top enrolling sites in North America  
ESSENCE- enoxaparin in ACS, one of the top enrolling sites in North America  
TRILOGY DR+- St Judes PM trial  
PROTECT- perindopril in CAD pts  
TIMI 11B- enoxaparin in ACS pts, one of the top enrolling sites in North America  
MIRACL ACS- atorvastatin in ACS pts, one of the top enrolling sites in North America  
OPUS-TIMI-16- sirofiban in ACS, one of the top enrolling sites in North America  
RASTAF- Medtronic PM trial  
PRINCESS- cerivastatin in ACS  
OPUS-Angiographic- sirofiban angiographic sub study  
Practice Patterns in Atrial Fib- Canadian atrial fib registry, was part of the steering committee  
OVERTURE- omapatrilat vs enalapril in CHF  
OCTAVE- omapatrilat in hypertension  
Tirofiban Evaluation Study- hospital based comparative trial vs eptifibitide  
CHARM- candesartan in CHF  
MERCURY II- high dose rosuvastatin in CAD pts  
INTERACT- enoxaparin in ACS, top enrolling site worldwide  
SPORTIF-V- ximelgatrobán vs warfarin in atrial fibrillation  
ADONIS- dronedarone in atrial fibrillation  
AF CHF- rate vs rhythm control in CHF pts with atrial fib  
OAT- open artery hypothesis trial

### **Co-Investigator- Canada**

GUSTO – tpa vs streptokinase, *one of the top enrolling sites in North America*  
CAMIAT- amiodarone post myocardial infarction  
HOPE- ramipril in stable CAD, *one of the top enrolling sites in North America*  
CAPRIE- clopidogrel in atherosclerotic disease, *one of the top enrolling sites in North America*  
C-TOPP- dual vs single chamber pacing, *one of the top enrolling sites in North America*  
GUSTO II & IIb- hirudin vs heparin in ACS  
GUSTO III- tpa vs reteplase  
ACHIEVE- accupril in CHF  
DIG- digoxin in CHF, *one of the top enrolling sites in North America*  
RESOLVD- candesartan in CHF  
SPICE- candesartan in CHF  
CTAF- anti arrhythmic therapy in atrial fibrillation  
CONVINCE- verapamil vs atenolol in CAD  
CARDIZEM CD- diltazem effect on exercise tolerance  
ACTION- nifedipine XL in CAD pts  
ASSENT II- tenecteplase vs alteplase  
COPERNICUS-carvedilol in acutely decompensated CHF  
CORE- ReothRx infusion in ACS pts  
VALIANT- valsartan vs captopril post myocardial infarction  
CURE- carvedilol in acute coronary syndromes, *one of the top enrolling sites in North America*  
GUSTO IV-ACS- Reopro in ACS  
GUSTO V- reteplase vs Reopro in ACS  
HOPE 2- vitamin E vs placebo, *one of the top enrolling sites in North America*  
NICE-3- enoxaparin vs IIb/IIIa inhibitors in ACS  
PROVE-IT- atorvastatin vs pravastatin in ACS, *one of the top enrolling sites in North America*

SYNERGY- enoxaparin vs IIb/IIIa inhibitors in ACS  
ON TARGET- temilsartan vs ramipril in CAD  
CAMELLIA TIMI 61- lorcaserin-Belviq in high risk obese and overweight pts  
CIRT – Methotrexate in CAD pts  
DECLARE TIMI 58 – Dapagliflozin in diabetic pts  
SOCRATES Reduced- BAY1021189 oral sGC stimulator in HFrEF  
SOCRATES Preserved- BAY1021189 oral sGC stimulator in HFpEF  
REDUCE-IT- EPA ethyl esters in CAD and high risk diabetics – *high enrolling site*  
FOURIER- evolucumab in high risk vascular pts  
CASCADE/EMPA-REG– Empagliflozin to reduce CV events  
PEGASUS- Ticagrelor vs ASA post MI  
PARAMOUNT- LCZ696 in diastolic heart failure  
PALLAS- dronedarone in CHF patients  
GARFIELD- atrial fibrillation registry  
ATMOSPHERE- aliskiren in CHF pts  
HARMONY- albiglutide in diabetic pts to reduce CV events  
STRENGTH – EPA Omega 3 in CAD pts  
PROMINENT - Pemafibrate vs. Placebo in high TG diabetic pts  
SODIUM HF – dietary sodium in CHF pts

## ***Summary of Investigator-Initiated Research (1994- present )***

- have designed and conducted multiple research studies that have focused on
  - access to care, wait times, resource utilization
  - acute coronary syndromes
  - health outcomes in Canada and USA
  - processes of care
  - heart disease in South Asians
  - Disparities in care for visible minorities

**PLEASE SEE PUBLICATION LIST FOR FURTHER DETAILS**

## ***Summary of Other Research Activities (1994- present )***

- consulted for Takeda – designing chronic angina trial (EXERT)
- consulted for Glock – designing cholesterol absorption trial (G-PUR)
- Steering Committee – SPRINT- AF study, CCRN, Canada
- Steering Committee – CLASS ACT study, CCRN, Canada
- Steering Committee – REACT study, CCRN, Canada
- Journal Reviewer – American Heart Journal
- Journal Reviewer – American Journal of Cardiology
- Journal Reviewer – Canadian Medical Association Journal
- Journal Reviewer – Journal of The American Medical Association
- Abstract Reviewer – Canadian Cardiovascular Society meeting
- Abstract Reviewer – American Heart Association meeting

**1996-** \$ 4000 Physicians Services Inc.(PSI) Foundation Grant for the Effect of Early Ambulation on Hematoma Formation and Vascular Complications Study

**1998-** \$ 8000 Bristol-Myers-Squibb Research Grant to evaluate the presentation of Myocardial Infarctions in South Asians versus European Canadians

**1999-** \$ 12000 Bristol-Myers Squibb Research Grant – continue to evaluate the presentation of Myocardial Infarctions in South Asians versus European Canadians

**1999-** \$ 12000 Parke-Davis Research Grant – to evaluate the compliance of South Asians versus European Canadians patients with a diagnosis of CAD in the office setting

**1999-** HCPRA 2<sup>nd</sup> place award for Excellence in Health Care Communication, Special Purpose Publication-General Category

**2000-** \$ 12000 Parke-Davis Research Grant – to evaluate the burden of CAD in South Asians vs European Canadians presenting to the cath lab

**2000-** \$ 12000 Roche Research Grant – to evaluate the presentation of South Asians versus European Canadians patients with CHF in the hospital

**2000-** \$ 12000 Key-Schering Research Grant – to evaluate the outcomes and compliance of South Asians versus European Canadians patients participating in cardiac rehabilitation

**2001-** Awarded plaque of recognition for 6 years of contribution to the GTACC organization as the founding chair and then executive committee member

**2001-** Presented letter of appreciation from the Prime Minister of Canada for volunteer efforts in conjunction with the Canadian Cardiovascular Society

**2002-** Awarded plaque from CCC advisory group “in appreciation of your guidance and support for the cardiac care of the people in our community”

**2002-** Awarded plaque from Rouge Valley Health System Foundation acknowledging “outstanding commitment and generosity of donations, time, and leadership” to RVHS Cardiac Care Program

**2002-** Awarded plaque from RVHS Cardiologists - “in recognition of outstanding clinical skills and leadership in promoting high quality care” to RVHS

**2002-** Awarded plaque from Canadian Cardiovascular Society – in appreciation of contributions as Secretary 2000-2002

**2007-** Awarded plaque from Northside Hospital – in appreciation of contributions as Section Chair, Cardiology

**2010-** Awarded \$173,000 investigator-initiated research grant from Gilead Sciences to look at the effect of ranolazine on CAD pts with metabolic syndrome and varying ethnicities

**2010-** Awarded “Distinguished Service Award” – from American College of Cardiology- GA Chapter for work as CME chair over past 6 years



**2010-** Awarded through CCRN and Dr M Gupta investigator initiated grant from Astra Zeneca of \$3,664,353 for the PARADIGM study Primary Care Audit of Global Risk Management

**2011-** Awarded \$49,170 investigator-initiated research grant from Medtronic to look at the differential ICD utilization rates among various ethnic pts with advanced heart failure

**2012-** Awarded \$53,000 investigator-initiated research grant from Astellas to look at the Appropriate Use Criteria for outpt nuclear studies amongst physicians, gender and ethnicity

**2012-** Awarded through CCRN and Dr M Gupta investigator initiated grant of \$2,845,668 from Bayer for the SPRINT-AF study Stroke Prevention in atrial fibrillation-A Prospective Canadian Registry

**2014-** Awarded through CCRN and Dr M Gupta investigator initiated grant of \$600,783 from Valeant for CLASS-ACT Study Colesevelam, Lipids and Sugars, South Asian Canadian Trial

**2016-** Awarded through CCRN and Dr M Gupta investigator initiated grant of \$2,500,000 from Sanofi-Aventis REACT Study - Relating Evidence to Achieving Cholesterol Targets Trial

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**NOTE: Publication list does not include multiple papers from multicenter clinical trials where authorship was given "...on behalf of the XXXXX Investigators"**

**Please see previous section for list of studies served as site principal investigator.**