

# Curriculum Vitae

## Atul Aggarwal, MD, FACC, FSCAI, FAHA



### Work Address:

Atul Aggarwal MD Cardiology Clinic  
1018 Calloway Dr.  
Bakersfield CA 93312  
Tel: 6616640100  
Fax: 6616640111  
E-mail: aagg@aggarwalclinic.com

### 1. Personal

- A. Citizenship: United States
- C. Place of birth: Ludhiana (Punjab), India
- D. Date and place of birth: 09/29/1969, Ludhiana (India)

### 2. Education

- 07/86- 12/91 M.B.B.S. Dayanand Medical College and Hospital, Ludhiana (India)
- 07/84- 06/86 B.S. SCD Government College, Ludhiana (India)

### 3. Graduate Medical Education

- 01/92-12/94 Internal Medicine Residency Dayanand Medical College & Hospital, Ludhiana, India
- 07/96-06/99 Internal Medicine Residency State University of New York (Upstate University), Syracuse, NY
- 07/99-06/02 Adult cardiology Fellowship Fletcher Allin Health Care/ University of Vermont, Burlington
- 07/02-06/03 Interventional Cardiology Fellowship Fletcher Allin Health Care/ University of Vermont, Burlington

### 4. Licensure

Punjab medical council (India) since 12/91  
Vermont state licensure (temporary 060-0002560) 07/01/1999-06/30/2003  
Nebraska state license No. 22424 (current since 03/03) valid till 10/01/2012  
California state medical license C53451 (issued on 10/03/08) valid till 09/30/2018  
Michigan state license No 4301087187 (current since 02/06) valid till 01/31/2019  
Ohio state license No 35.092441 (current since 09/19/08) valid till 07/01/2019  
Pennsylvania state license No MD435549 since 09/17/2008 valid till 12/31/2018  
Louisiana state license (temporary VPHYS.200058) 06/22/05-07/26/05  
Illinois state license (temporary 106000296) 10/03/06 – 05/05/07  
ACLS and BLS certifications

### 5. Specialization

Cardiovascular disease and Internal medicine  
Interventional cardiology - level III training  
All aspects of Percutaneous Coronary Interventions, including Coronary stenting, Rotablation, Intravascular ultrasound and Percutaneous Left ventricular Assist Device (Impella-2)  
Peripheral vascular interventions – perform subclavian, renal, and complex iliofemoral interventions, including below the knee interventions for Critical Limb Ischemia (Diamond back and Silverhawk atherectomies)  
Percutaneous interventions of Dialysis AV access  
Endovascular Radiofrequency ablation for varicose veins  
Structural Heart Interventions- Percutaneous closure of Patent Foramen Ovale and Atrial septal defects  
Implantation and Retrieval of Inferior vena cava filters

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Echocardiography - level III training  
Nuclear cardiology - level II training  
Cardiovascular Computerized Tomographic Angiography – level II training

## 6. **Board Certifications**

08/99 American Board of Internal Medicine (valid through 2009)  
11/02 Board Certification in Cardiovascular disease (recertified, valid through 2022)  
10/01 American Society of Nuclear Cardiology (No 1940 valid through 2011)  
11/03 Board certification in Interventional cardiology (valid through 2023)

## 7. **Professional Affiliations**

1996 American Medical Association  
2000 American College of Chest Physicians (honorary member)  
2005 American College of Cardiology (Fellow) No 774934  
2006 Society of Cardiovascular Angiography and Interventions (Fellow)  
2005 Indo-American Society of Interventional Cardiologists  
2007 American Heart Association (Fellow) - Council on clinical cardiology; No 152693053  
2007 Society of Computed Cardiovascular Tomography

## 8. **Honors and awards**

1994 Gold medal for residency in internal medicine  
1986-90 Distinctions in medical school in subjects of anatomy, pathology, microbiology, pharmacology  
1986-90 Gold medals in subjects of internal medicine, surgery, obstetrics and gynecology  
1986-90 Silver medal in social and preventive medicine, silver medal in final year of medical school (1986-90)  
1986 Third in Panjab University, Chandigarh, India (premedical-BSc class 1986)

## 9. **Teaching appointments**

01/92-12/94	Assistant instructor in internal medicine	Dayanand Medical College & Hospital, Ludhiana, India
07/96-06/99	Assistant instructor in internal medicine	State University of New York, Syracuse, NY
07/99-06/03	Instructor in internal medicine	Fletcher Allen Health Care/ University of Vermont
07/01/09-04/10	Assistant Clinical Professor	Department of Medicine, University of California at Los Angeles

## 10. **Professional Experience**

08/03-11/08 Consultant in cardiology/interventional cardiology with Nebraska Heart Institute, Lincoln, NE and affiliated hospitals (Nebraska Heart Institute Heart Hospital, Lincoln; Saint Elizabeth Regional Medical Center, Lincoln; Mary Lanning Memorial Hospital, Hastings; Saint Francis Medical Center, Grand Island)  
[www.neheart.com/Physicians/Cardiologists/aggarwal.asp](http://www.neheart.com/Physicians/Cardiologists/aggarwal.asp)

Director of cardiac catheterization laboratory at Mary Lanning Memorial Hospital, Hastings, NE; Member of Emergency Room committee, Critical care committee, and Pharmacy and Therapeutics committee at Mary Lanning Memorial Hospital, Hastings, NE; Member, Research committee, Nebraska Heart Institute, Lincoln, NE

02/09-04/10 Consultant in cardiology/interventional cardiology with Comprehensive Cardiovascular Medical Group, Bakersfield, CA and affiliated hospitals (Bakersfield Heart Hospital, Bakersfield Memorial Hospital, Mercy Hospitals of Bakersfield, San Joaquin Community Hospital, Kern Medical Center, Delano Regional Medical Center, Tehachapi Valley District Hospital)  
<http://www.ccvmg.com/handler.cfm?event=practice,template&cpid=9683>

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04/15/10-08/10/2012

Consultant in cardiology/interventional cardiology with Central Cardiology Medical Clinic, Bakersfield, CA and affiliated hospitals (Bakersfield Heart Hospital, Bakersfield Memorial Hospital, Mercy Hospitals of Bakersfield, San Joaquin Community Hospital, Kern Medical Center, Ridgecrest Community Hospital, Delano Regional Medical Center, Tehachapi Valley District Hospital)  
<http://www.heart24.com/aggarwal.asp>

08/20/2012 onwards –

Sole proprietor/ owner of solo practice, Atul Aggarwal MD Cardiology Clinic, Bakersfield, CA. Currently admitting privileges in Bakersfield Heart Hospital, Bakersfield Memorial Hospital, Mercy Hospitals of Bakersfield, and San Joaquin Community Hospital.

Member; Utilization Committee, Bakersfield Memorial Hospital;  
Member Pharmacy & Therapeutics Committee, Bakersfield Memorial Hospital  
Member; Cardiac Services Committee, San Joaquin Community Hospital, Bakersfield, CA

## **11. Volunteer work, additional experience**

1/95- 6/95    Worked in a charitable clinic in Ludhiana (India)  
7/95-12/95    Escorts Heart Institute and Research Center, New Delhi (India) 110065  
2/96- 5/96    Worked in a cancer hospital in Ludhiana (India)  
12/08-01/09    Peripheral vascular training in Harrisburg, PA and Mumbai, India for mitral valvuloplasty and transseptal punctures (KEM Hospital and JJ Hospital)

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## 12. Bibliography

### **Manuscripts (Original publications, Reviews, Correspondence)**

1. **Aggarwal A**, Chopra SC, Wander GS, Khurana SB. Antihypertensive response to sublingual drug as a guide to predict its long-term effectiveness: A study with nifedipine and captopril. (Dissertation for residency in Internal Medicine) 1994
2. **Aggarwal A**. Amiodarone to prevent recurrence of atrial fibrillation (Correspondence). *N Engl J Med* 2000;343(8):578-9
3. **Aggarwal A**. Prevention of sudden death in patients with coronary artery disease (Correspondence). *N Engl J Med* 2000;342(17):1291
4. **Aggarwal A**, Brown KA, and LeWinter MM. Diastolic Dysfunction: Pathophysiology, clinical features and diagnosis using radionuclide methods. *J Nucl Cardiol* 2001;8:98-106
5. **Aggarwal A**, Ades PA. Exercise rehabilitation in elderly patients with cardiac disease. *Cardiology Clinics* 2001;19:525-536
6. **Aggarwal A**, Ades PA. Interactions of herbal remedies with prescription cardiovascular medications. *Coronary Artery Disease* 2001;12:1-4
7. Jaffery J, **Aggarwal A**, Ades PA, Weise WJ. A long sweet sleep with sour consequences (Case report). *Lancet* 2001;358:1236
8. Kabbani SS, **Aggarwal A**, Terrien ET, DiBattiste PM, Sobel BE, Schneider DJ. Suboptimal early inhibition of platelets by treatment with tirofiban: Implications for coronary interventions. *American Journal of Cardiology* 2002;89:547-600
9. **Aggarwal A**, Battle RW. Congenital absence of the left pericardium (Clinical picture). *Lancet* 2002;360:2038
10. **Aggarwal A**, Klein JS, Battle RW. A 59-year-old asymptomatic man with systolic murmur and mediastinal mass (Roentgenogram of the month). *Chest* 2003;123:1289-1292
11. **Aggarwal A**. I wonder what could have been (Code blue stories). *Hosp Physician* 1999;35(3):16 (web archive at [http://www.turnerwhite.com/memberfile.php?PubCode=hp\\_mar99\\_cbwonder.pdf](http://www.turnerwhite.com/memberfile.php?PubCode=hp_mar99_cbwonder.pdf))
11. **Aggarwal A**, Leavitt BJ. Giant Lambli's Excrescence (Images in Clinical Medicine). *New England Journal of Medicine* 2003;349:e24
13. **Aggarwal A**, Kabbani SS, Rimmer JM, Gennari JF, Taatjes DJ, Sobel BE, Schneider DJ. Biphasic effects of hemodialysis on platelet reactivity in patients with end-stage renal disease, a potential contributor to cardiovascular risk. *American Journal of Kidney Disease* 2002;40(2):315-22
14. Schneider DJ, Lakkis N, Aguirre F, **Aggarwal A**, Kabbani SS, DiBattiste PM, Herrmann HC. Enhanced early inhibition of platelet aggregation with an increased bolus of tirofiban. *American Journal of Cardiology* 2002;90(12):1421-23
15. **Aggarwal A**, Sobel BE, Schneider DJ. Decreased platelet reactivity in blood anticoagulated with bivalirudin or enoxaparin compared with unfractionated heparin: Implications for coronary intervention. *Journal of Thrombosis and Thrombolysis* 2002;13(3):161-165
16. Tischler MD, **Aggarwal A**. Management of mitral regurgitation due to mitral prolapse. *Current Treatment Options in Cardiovascular Medicine* 2002;4:521-527
17. **Aggarwal A**, Terrien EF, Terrien CM. Treatment of totally occluded saphenous vein grafts using self-expanding stents. *Coronary Artery Disease* 2002;13(7):373-6
18. Schneider DJ, Herrmann HC, Lakkis N, Aguirre F, Lo M, **Aggarwal A**, Kabbani SS, DiBattiste PM. Increased concentrations of tirofiban and their correlation with the inhibition of platelet aggregation with greater bolus doses of tirofiban. *American Journal of Cardiology* 2003;91:334-6
19. **Aggarwal A**, Schneider DJ, Terrien EF, Terrien CM, Sobel BE, Dauerman HL. Comparison of effects of abciximab versus eptifibatide on C-reactive protein, interleukin-6, and interleukin- receptor antagonist after coronary arterial stenting. *American Journal of Cardiology* 2003 Jun 1;91(11):1346-9.
20. **Aggarwal A**, Schneider DJ, Sobel BE, Dauerman HL. Comparison of inflammatory markers in patients with diabetes mellitus versus those without before and after coronary arterial stenting. *American Journal of Cardiology* 2003;92:924-9
21. **Aggarwal A**, Schneider DJ, Terrien EF, Sobel BE, Dauerman HL. Increased coronary arterial release of interleukin-1 receptor antagonist and soluble CD 40 ligand indicative of inflammation associated with culprit coronary atherosclerotic plaques. *American Journal of Cardiology* 2004 Jan 1;93(1):6-9
22. **Aggarwal A**. Eplerenone, a selective aldosterone blocker, in patients with left ventricular dysfunction after myocardial infarction (Correspondence). *N Engl J Med* 2003;349:88

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23. **Aggarwal A**, Schneider DJ, Terrien EF, Gilbert K, Dauerman HL. Increase in interleukin-6 in the first hour after coronary stenting: an early marker of the inflammatory response. *Journal of Thrombosis and Thrombolysis* 2003;15(1):25-31
24. **Aggarwal A**, Whitaker DA, Rimmer JM, Solomon RJ, Gennari FJ, Sobel BE, Schneider DJ. Attenuation of platelet reactivity by enoxaparin compared with unfractionated heparin in patients undergoing hemodialysis. *Nephrology Dialysis and Transplantation* 2004;19:1559-63. Epub 2004 Mar 19
25. Gutierrez MJ, **Aggarwal A**, Gilbert K, Sobel BE, Dauerman HL. Use of femoral closure devices as part of a pharmacoinvasive reperfusion strategy. *Journal of Thrombosis and Thrombolysis* 2004 Dec;18(3):187-92.
26. **Aggarwal A**, Blum A, Schneider DJ, Sobel BE, Dauerman HL. Soluble CD40 ligand is an early initiator of inflammation after coronary intervention. *Coronary Artery Disease* 2004 Dec;15(8):471-5
27. Schneider DJ, **Aggarwal A**. Development of glycoprotein IIb/IIIa antagonists: translation of pharmacodynamic effects into clinical benefit. *Expert Review of Cardiovascular Therapy* 2004 Nov;2(6):903-13.
28. **Aggarwal A**. The vulnerable endothelium: priming the vascular endothelium for thrombosis with unfractionated heparin: biologic plausibility for observations from the Superior Yield of the New Strategy of Enoxaparin, Revascularization and Glycoprotein IIb/IIIa Inhibitors (SYNERGY) trial. Correspondence. *American Heart Journal* 2006 May;151(5):e2
29. **Aggarwal A**. Inflammatory response after intervention assessed by serial C-reactive protein measurements correlates with restenosis in patients treated with coronary stenting. Correspondence. *American Heart Journal* 2006 May;151(5):e3
30. **Aggarwal A**. Inflammatory response to drug eluting stent placement. Correspondence. *Am J Cardiol* 2006;98(9):1299
31. **Aggarwal A**, Dai D, Rumsfeld JS, Klein LW, Roe MT. Impact of home warfarin use on the treatment and outcomes of patients undergoing percutaneous coronary intervention. *American Journal of Cardiology* 2008;101:1413-1417.
32. **Aggarwal A**, Dai D, Rumsfeld JS, Klein LW, Roe MT on behalf of American College of Cardiology National Cardiovascular Data Registry. Incidence and predictors of stroke associated with percutaneous coronary intervention. *American Journal of Cardiology* 2009;104:349-353
33. **Aggarwal A**, Wang Y, Rumsfeld JS, Curtis JP, Heidenreich PA; National Cardiovascular Data Registry. Clinical Characteristics and In-Hospital Outcome of Patients with End Stage Renal Disease on Dialysis Referred for Implantable Cardioverter Defibrillator Implantation. *Heart Rhythm* 2009;6(11):1565-71. Epub 2009 Aug 5
34. **Aggarwal A**, Ou FS, Rumsfeld JS, Klein LW, Roe MT, Wang TY, on behalf of American College of Cardiology National Cardiovascular Data Registry. Incidence, Predictors and In-hospital Outcomes of No Reflow Phenomenon during Percutaneous Coronary Intervention for Acute Myocardial Infarction. Submitted.

### Abstracts

35. **Aggarwal A**. Antihypertensive response to sublingual captopril predicts response to oral captopril (abstract). *J Gen Intern Med* 1999;14 (Suppl 2):5
36. Kabbani SS, **Aggarwal A**, Terrien ET, Stewart RE, Sobel BE, Schneider DJ. Inadequate early inhibition with tirofiban in conventional doses: A potential determinant of suboptimal effects after percutaneous coronary intervention (abstract). *Circulation* 2001;104:II-706
37. **Aggarwal A**, Schneider DJ, Terrien EF, Dauerman HL. Increased sensitivity of interleukin 6 to inflammatory changes after coronary stenting (abstract). *Am J Cardiol* 2002;90(6A):118 H – presented at Transcatheter Therapeutics meeting, Washington, DC, September 2002
38. **Aggarwal A**, Schneider DJ, Terrien EF, Whitaker DA, Sobel BE, Dauerman HL. Increased concentration of interleukin-1 receptor antagonist associated with diabetes mellitus and in the vicinity of coronary plaques: a sensitive marker of inflammation (abstract). *J Am Coll Cardiol* 2003;41(6):285A – presented at American College of Cardiology Annual Scientific Sessions, Chicago, Ill 2003
39. **Aggarwal A**, Schneider DJ, Terrien EF, Terrien CM, Watkins MW, Kabbani SS, Dauerman HL. Enhanced suppression of inflammation after coronary stenting (ESIS): A randomized clinical trial comparing abciximab and eptifibatide (abstract). *J Am Coll Cardiol* 2003;41(6):65A - presented at American College of Cardiology Annual Scientific Sessions, Chicago, Ill 2003
40. **Aggarwal A**, Schneider DJ, Terrien EF, O'Connell M, Sobel BE, Dauerman HL. A randomized comparison of effects of eptifibatide and abciximab on release of soluble CD 40 ligand after coronary

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- stenting (abstract). *Am J Cardiol* 2003;92(6A):135L – presented at Transcatheter Therapeutics meeting, Washington, DC, September 2003
41. Gutierrez MJ, **Aggarwal A**, Borden F, Dauerman HL. Outcomes after femoral arteriotomy closure in patients undergoing percutaneous coronary intervention in the setting of thrombolytic therapy (abstract). *Am J Cardiol* 2003;92(6A):150L – presented at Transcatheter Therapeutics meeting, Washington, DC, September 2003
42. **Aggarwal A**, Rimmer JM, Solomon RJ, Gennari FJ, Sobel BE, Schneider DJ. Augmentation of platelet reactivity by unfractionated heparin compared with enoxaparin in patients undergoing hemodialysis (abstract). Presented at American Society of Nephrology Annual Scientific Sessions 2003, San Diego, CA
43. Dauerman HL, **Aggarwal A**, Sobel BE, Schneider DJ. A systemic inflammatory response reflected by increased soluble CD40 ligand is evident within 10 minutes of coronary stenting (abstract). *J Am Coll Cardiol* 2004;43(5):101A. Presented at American College of Cardiology Annual Scientific Sessions, New Orleans, LA 2004
44. **Aggarwal A**, Dai D, Rumsfeld JS, Klein LW, Roe MT, on behalf of American College of Cardiology National Cardiovascular Data Registry. Characteristics and outcomes of patients taking warfarin prior to percutaneous coronary intervention. Presented at American Heart Association 2007 Annual Scientific sessions, Orlando, FL. *Circulation* 2007;116:II-702
45. **Aggarwal A**, Dai D, Rumsfeld JS, Klein LW, Roe MT on behalf of American College of Cardiology National Cardiovascular Data Registry. Incidence and Predictors of stroke following percutaneous coronary intervention. *Circulation* 2008;118:S652 (presented as oral abstract for American Heart Association Annual Scientific Sessions 2008)
46. **Aggarwal A**, Wang Y, Rumsfeld JS, Curtis JP, Heidenreich PA, on behalf of American College of Cardiology National Cardiovascular Data Registry. Clinical Characteristics and In-Hospital Outcome of Patients with End Stage Renal Disease on Dialysis Referred for Implantable Cardioverter Defibrillator Implantation. Presented at American College of Cardiology Annual Scientific Sessions 2009, Orlando, FL. *J Am Coll Cardiol* 2009;53(10):A131
47. **Aggarwal A**, Ou FS, Rumsfeld JS, Klein LW, Roe MT, Wang TY, on behalf of American College of Cardiology National Cardiovascular Data Registry. Incidence, Predictors and In-hospital Outcomes of No Reflow Phenomenon during Percutaneous Coronary Intervention for Acute Myocardial Infarction. *Circulation* 2009;53(10):131A. Presented at American Heart Association Annual Scientific Sessions 2009, Orlando, FL.

### Multicenter Clinical studies

- Principal site investigator for **SOLID TIMI 52** (The Stabilization of pLaques using Daraladib-Thrombolysis in Myocardial Infarction 52 Trial) – Patients enrolled=8, Enrollment closed at Central Cardiology Medical Clinic, Bakersfield, CA
- Principal site investigator for **SAVOR TIMI 53** (Does Saxagliptin Reduce the Risk of Cardiovascular Events When Used Alone or Added to Other Diabetes Medications). Enrollment closed at Central Cardiology Medical Clinic, Bakersfield, CA
- Principal site investigator for **TIMI-2P50** (Trial to Assess the Effects of SCH 530348 in Preventing Heart Attack and Stroke in Patients With Atherosclerosis). Patients enrolled = 7 at Nebraska Heart Institute (enrollment closed)
- Principal site investigator for **EARLY ACS** (The Early Glycoprotein IIb/IIIa Inhibition in Non-ST-Segment Elevation Acute Coronary Syndrome Trial). (Patients enrolled = 3 at Nebraska Heart Institute, enrollment closed).
- Principal site investigator for **IMPROVE IT** [Multicenter, Double-Blind, Randomized Study to Establish the Clinical Benefit and Safety of Vytorin (Ezetimibe/Simvastatin Tablet) vs. Simvastatin Monotherapy in High-Risk Subjects Presenting with Acute Coronary Syndrome (IMPROVED Reduction of Outcomes: Vytorin Efficacy International Trial)]. (Patients enrolled =11 at Nebraska Heart Institute)
- Principal site investigator for **TRA-PCI** (A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety of SCH 530348 in Subjects Undergoing Non-Emergent Percutaneous Coronary Intervention (Thrombin Receptor Antagonist in PCI). (Patients enrolled =5 at Nebraska Heart Institute, enrollment closed)
- Principal site investigator for **TENACITY** (Tirofiban Evaluation of Novel Dosing vs. Abciximab with Clopidogrel and Inhibition of Thrombin Study), a multicenter study evaluating higher bolus dose of

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tirofiban in combination with optimal antithrombotic therapy for patients undergoing urgent percutaneous coronary intervention. 2005 (enrollment closed; Patients enrolled = 14 at Nebraska Heart Institute)

- Principle site investigator for **ARISTOTLE** (A Phase 3, Active (Warfarin) Controlled, Randomized, Double-Blind, Parallel Arm Study to Evaluate Efficacy and Safety of Apixiban in Preventing Stroke and Systemic Embolism on Subjects with Nonvalvular Atrial Fibrillation. (patients enrolled =8 at Nebraska Heart Institute)
- Principle site investigator for **PLATO** (A Comparison of AZD6140 and Clopidogrel in Patients With Acute Coronary Syndrome). (Enrollment closed; patients enrolled =1 at Nebraska Heart Institute). Available at Wallentin L, Becker RC, Budaj A, et al. Ticagrelor versus clopidogrel in patients with acute coronary syndromes. *N Engl J Med* 2009;361:1045-57.
- Sub-Investigator for **DRIVER REGISTRY**. Post release registry to assess acute procedural success with the Driver coronary stent (Sponsor – Medtronic, Inc) 10/04
- Sub-investigator for **TAXUS V ISR** (A prospective, randomized trial evaluating the slow-release formulation TAXUS™ Paclitaxel-Eluting Coronary Stent in the Treatment of In-Stent Restenosis (enrollment closed)
- Sub-investigator for **Apex AMI** (A Multicenter, Randomized, Double-Blind, Parallel-group, Placebo-Controlled Study of Pexelizumab in Patients with Acute Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention (enrollment closed). Sponsor –Alexion and P&G Pharmaceuticals.
- Sub-investigator for **Endeavour IV Trial** (A Randomized, Controlled Trial of the Medtronic Endeavor Drug (ABT-578) Eluting Coronary Stent System versus the TAXUS Paclitaxel-Eluting Coronary Stent System in De Novo Native Coronary Lesions). (enrollment closed 04/05 to present). Sponsor – Medtronic
- Sub-investigator for **STRADIVARIUS** (sanofi aventis EFC5827): A randomized, multicenter, double-blind, placebo-controlled, two-arm parallel group trial of rimonabant 20 mg for inhibition of atherosclerosis progression assessed by IVUS in overweight patients with clustering risk factors.
- Sub-investigator for **SPIRIT IV** (Clinical Evaluation of the XIENCE™ V Everolimus Eluting Coronary Stent System in the Treatment of Subjects With Coronary Artery Lesions)
- Sub-investigator for **PERSUS-WH**. Sponsor – Boston Scientific

### Research Grants

- Aventis Pharmaceuticals (2002) -- grant to David J. Schneider, MD
- Guilford Pharmaceuticals (2005) – grant to Nebraska Heart Institute for TENACITY
- Schering Plough Res Institute (2005-08) – grant to Nebraska Heart Institute for TRA-PCI, IMPROVE-IT, EARLY ACS, TIMI-2P50
- Bristol-Myers-Squibb (2007-2008) – grant to Nebraska Heart Institute for ARISTOTLE
- Astra Zeneca (2007- 2008) – to Nebraska Heart Institute for PLATO
- Glaxo Smith Kline (2011) to Central Cardiology Medical Clinic

### Gratuities, Speaker's bureau

- Takeda Pharmaceuticals for EDARBI®(2011-12)
- Sanofi/Bristol Myers Squibb partnership for PLAVIX® (2010 onwards)
- The Medicines Company for ANGIOMAX® (2009 onwards)
- Guilford Pharmaceuticals for AGGRASTAT® (2004)
- Astra Zeneca for BRILINTA® (2011-2012)
- Janssen Pharmaceuticals for XARELTO® (2011 onwards)
- Bristol Myers Squibb-Pfizer for Eliquis (2014 onwards)

### Ad Hoc Manuscript Reviewer for

- Lancet 2001 (1)
- Circulation 2009 (1)
- Coronary Artery Disease 2001 (1), 2002 (7), 2003 (5), 2004 (4), 2005 (5), 2006 (3), 2007 (7), 2008 (6), 2009 (6), 2010 (6), 2011 (2), 2012 (3)
- Chest 2002 (3), 2004 (1),

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- Atherosclerosis 2004 (1)
- American Journal of Kidney Dis 2003 (3), 2008 (1), 2009 (2),
- American Journal of Cardiology 2005 (4), 2006 (5), 2007 (6), 2008 (5), 2009 (5), 2010 (3), 2011 (2)
- Nephrology Dialysis Transplantation 2005 (1), 2006 (1), 2007 (1), 2008 (1)
- Blood, Coagulation and Fibrinolysis 2005 (1)
- Pathophysiology of Haemostasis and Thrombosis 2005 (1)
- Acta Clinica Chimica 2006 (3)
- Life Sciences (2)

### EDITORIAL BOARD –

- Coronary Artery Disease (Editor - Burton E. Sobel, MD, Publisher - Lippincott)
- Cardiology Research and Practice (SAGE publications)
- Abstract grader for American Heart Association Scientific Sessions 2008, 2009, 2010 (Clinical Cardiology and genetics/proteomics section)

### Miscellaneous

- Profiled in Newspaper in Punjab, India available online at URL [www.tribuneindia.com/2000/20000823/ldh1.htm](http://www.tribuneindia.com/2000/20000823/ldh1.htm)
- Profiled in Local Newspaper in Hastings, Nebraska On November 13, 2003 available at URL <http://www.hastingstribune.com>



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## Current Job Description

I am board certified in internal medicine, adult cardiovascular disease, and interventional cardiology.

I am in a solo cardiovascular practice by the name Atul Aggarwal MD Cardiology Clinic since September 4<sup>th</sup>, 2012. The clinic offers outpatient cardiovascular evaluations and follow up, exercise stress testing, non invasive imaging (echocardiography, stress echocardiography, carotid ultrasound, lower extremity arterial Doppler evaluation, and venous ultrasound for venous insufficiency), Holter and event monitors and RF treatment for varicose veins. I take call for local area hospitals emergency rooms for patients with acute ST elevation myocardial infarction.

I perform all aspects of exercise stress testing, transthoracic and transesophageal echocardiography, peripheral vascular non-invasive imaging, computed cardiovascular tomography, cardiac catheterization, and percutaneous coronary interventions, including balloon angioplasty, intracoronary stenting, rotational atherectomy, and intracoronary ultrasound. I had been performing transseptal patent foramen ovale and atrial septal occluder implantations in Bakersfield, CA. I perform peripheral vascular interventions (subclavian, renal, iliofemoral interventions, dialysis access and varicose veins). I perform inferior vena cava filter implantation and retrievals.

I had functioned as the director of the cardiac catheterization laboratory at Mary Lanning Memorial Hospital, Hastings, NE from 07/01/2003-11/30/2008. I had practiced with Comprehensive Cardiovascular Medical Group, Bakersfield, CA and affiliated hospitals from 02/01/2009 till 04/12/2010. I had practiced with Central Cardiology Medical Clinic since April 15<sup>th</sup>, 2010 till August 13<sup>th</sup>, 2012

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## Continuing Medical Education-2017

### Category I

Date	Title	Sponsor
03/17/2017 to 03/19/2017	American College of Cardiology Annual Scientific Session	ACCF, Washington, DC 32.25 AMA credits
04/02/2017	Cerner Electronic Health Record Online and/or Classroom	Bakersfield Memorial Hospital 6 AMA
06/10/2017	ACC.17 Meeting on Demand Program	American College of Cardiology Foundation 100

<b>Total Category I:</b>	<b>138.25</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>148.25</b>

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## Continuing Medical Education-2016

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
04/02/2016- 04/04/2016	American College of Cardiology Foundation 65 <sup>th</sup> Annual Scientific Session	Annual Scientific Session, Chicago, Illinois	32.50
05/15/2016	Online Webcast – Anticoagulation and Intracranial Hemorrhage	Cleveland Clinic Center for Continuing Education	1.0
05/15/2016	Online Webcast – Stroke Prevention in Atrial Fibrillation: An Update	Cleveland Clinic Center for Continuing Education	0.5
05/15/2016	Online Webcast – Gender Differences in Stroke Prevention and Outcome	Cleveland Clinic Center for Continuing Education	0.50
05/15/2016	Online Webcast – Patent Foramen Ovale (PFO) and Migraine	Cleveland Clinic Center for Continuing Education	0.75
05/15/2016	Online Webcast – Background, Epidemiology, and Causation of Coronary Artery Disease	Cleveland Clinic Center for Continuing Education	0.25
05/15/2016	Online Webcast – Natural Defense Mechanisms and Downside of Current CAD Therapies	Cleveland Clinic Center for Continuing Education	0.75
05/15/2016	Online Webcast – Nutritional Strategy for Coronary Artery Disease	Cleveland Clinic Center for Continuing Education	0.75
05/15/2016	Online Webcast – Nutritional Strategy Beyond CAD	Cleveland Clinic Center for Continuing Education	0.50
05/15/2016	Online Journal Article- An 85-year-old woman with respiratory failure and positional hypoxemia	Cleveland Clinic Center for Continuing Education	1.00
05/15/2016	Online Journal – ST – segment elevation: Differential diagnosis, caveats	Cleveland Clinic Center for Continuing Education	1.00
0/15/2016	Online Journal Article –When does asymptomatic aortic stenosis warrant surgery? Assessment techniques	Cleveland Clinic Center for Continuing Education	1.00
05/15/2016	Online Journal – Interpreting SPRINT – How low should you go?	Cleveland Clinic Center for Continuing Education	1.00
05/15/2016	Aliskiren, Enalapril or Aliskiren and Enalapril in Heart Failure	Massachusetts Medical Society	1.00
05/16/2016	Panel Perspectives: Trends in Managing Patients with Heart Failure	Annenberg Center for Health Sciences	4.50
05/17/2016	Utility of Biomarker Guided Therapy in Heart Failure	Medscape by WebMD	1.00
05/17/2016	Hypertriglyceridemia Treatment: Where are we	Medscape by WebMD	0.75

## Curriculum Vitae

	now?		
05/17/2016	Getting it right: Confirming a Diagnosis of PAH	Medscape by WebMD	0.50
06/19/2016	Improving Outcomes in Chronic Pain	University of Arizona College of Medicine	12.0
08/06/2016	Clinical Update for Primary Care 2016	Rideout Health	4.0
11/11/2016	Advanced training program on safe use of Fluoroscopy	Fluorosafety	8
11/11/2016	Establishing a Patient Safety Program in Fluoroscopy	University of Texas MD Anderson Cancer Center	2
11/22/2016	Uptodate	Wolters Kluwer	13.0
12/16/2016	Uptodate	Wolters Kluwer	11.5
12/1/2016	Abuse – Child for PA Mandatory Reporters	Online CE – Saporito, DC	2.0

Category II:

<b>Date:</b> 01/01-12/31/16	Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.	<b>Hours: 20.00+</b>
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**Patient Care Review:**

<b>Date:</b> 01/01-12/31/16	Peer review, case conferences, service on hospital medical staff committee	<b>Hours: 20.00+</b>
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**Consultation with Peers:**

<b>Date:</b> 01/01-12/31/15		<b>Hours: 20.00+</b>
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<b>Total Category I:</b>	<b>97.75</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>157.75</b>

# Curriculum Vitae

## Continuing Medical Education-2015

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
03/16/2015	American College of Cardiology Foundation 64 <sup>th</sup> Annual Scientific Session	Annual Scientific Session	33.5
08/29/2015	Radiation Safety – Fluoroscopy	Mercy Hospitals of Bakersfield	4
11/01/2015	Common Cardiology Clinical Scenarios: What to Do and When to Refer	Cleveland Clinic Center for Continuing Education	6.5
11/01/2015	A new class of drugs for systolic heart failure: The PARADIGM-HF study	Cleveland Clinic Center for Continuing Education	1.0
11/01/2015	Current Pulmonary Arterial Hypertension Therapies – Has Nice Changed the Status Quo?	Cleveland Clinic Center for Continuing Education	0.50
11/01/2015	Preventing Heart Failure Readmission and Progression	Medscape from WebMD	0.50
11/01/2015	Contemporary Considerations in Biomarker Guided Therapy: A Case-Based Approach	Medscape from WebMD	0.75
11/01/2015	A Royal Progression of NOACs	Medscape from WebMD	1.0
11/01/2015	What to do after a bleed on Oral Anticoagulation Therapy	Medscape from WebMD	0.25
11/01/2015	Future Indications: The next era in NOACs	Medscape from WebMD	0.25
11/01/2015	Practical Tools for Sudden Cardiac Arrest Screening: Taking Ownership of Your Patient’s Risk	Medscape from WebMD	0.25
11/01/2015	Curious Anticoagulation Cases	Medscape from WebMD	1.75
11/01/2015	Outpatient Management of DVT/PE: NOACs	John Hopkins University School of Medicine	0.25
12/28/2015	2013 Update in Cardiovascular Disease module	Perelman School of Medicine	10.0
12/28/2015	2015 Update in Cardiovascular Disease module	Perelman School of Medicine	10.0
12/30/2015	2015 Update in Interventional Cardiology module	Perelman School of Medicine	10.0

### Category II:

**Date:** 01/01-12/31/15      Reading current medical journals, listening to audio tapes  
(American College of Cardiology Extended Learning  
tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

## Curriculum Vitae

### Patient Care Review:

**Date:** 01/01-12/31/15      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

### Consultation with Peers:

**Date:** 01/01-12/31/15      **Hours: 20.00+**

<b>Total Category I:</b>	<b>80.5</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>140.5</b>

# Curriculum Vitae

## Continuing Medical Education-2014

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
06/24/2014	INFOMED	Informed 2013-2014 California Physician Update	13
08/17/2014	JAMA	2014 Evidence-Based Guideline for the Management of High Blood Pressure in Adults	1.0
08/17/2014	American Society of Hypertension	Putting the 2014 Evidence-Based Guidelines for the Management of High Blood Pressure in Adults Into Practice	0.5
11/30/2014	University of Texas MD Anderson Cancer Center	Establishing a Patient Safety Program in Fluoroscopy	2.5
11/30/2014	University of Texas MD Anderson Cancer Center	Fluoroscopy Safety Training Course	8.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Online Journal Article – A 20-year-old woman with fatigue and palpitations	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Managing Advanced Chronic Kidney Disease: A primary care guide	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Heart Failure in African Americans: Disparities can be overcome	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Acute and Critical Limb Ischemia: When time is limb	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Managing Acute Coronary Syndromes: Decades of progress	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Is Hemoglobin A1C an Accurate Measure of Glycemic Control in All Diabetic Patients?	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	New Hypertension Guidelines: One Size Fits Most?	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Anticoagulation and Antiplatelet Therapy in Acute Coronary Syndromes	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Albuminuria: When Urine Predicts Kidney and Cardiovascular Disease	1.0
06/15/2014	Cleveland Clinic Center for Continuing Education	Obesity in the Elderly: More Complicated than you think	1.0
06/15/2014	Medscape from WebMed	Prehospital EKG Yields Better Care, Less Mortality in MI Patients	0.25
06/15/2014	Medscape from WebMed	SYMPPLICITY HTN-3: Understanding the Results and Strategies Moving Forward	0.50
06/15/2014	Medscape from WebMed	Economic Implications of Uncontrolled Hypertension	0.25
06/15/2014	Medscape from WebMed	Hypertension: Danger Never Sleeps	0.25
06/15/2014	Medscape from WebMed	Does True Treatment-Resistant Hypertension Exist?	0.50

## Curriculum Vitae

06/15/2014	Medscape from WebMed	Renal Denervation: How do you define Success?	0.50
06/15/2014	Medscape from WebMed	Secondary Prevention in Acute Coronary Syndrome	0.25
06/15/2014	Medscape from WebMed	State of the Art in ACS Management: Clinical Practice Changes According to Guidelines	0.50
06/15/2014	Medscape from WebMed	A Patient with Diabetes and Angina: Considerations for future Care	0.25
06/15/2014	Medscape from WebMed	The Newly Diagnosed Ischemic Heart Failure Patient: Evaluating and Managing SCA	0.50
06/15/2014	University of Pittsburgh	Aortic Stenosis in the 21 <sup>st</sup> Century	0.50
06/15/2014	University of Pittsburgh	Coagulation Issues: Should the New Anticoagulants Replace the Old	0.75
06/15/2014	University of Pittsburgh	UPMC Heart and Vascular Grand Rounds Winter 2014: Atrial Fibrillation	0.5
06/15/2014	University of Pittsburgh	Pacemakers and ICDs: What you need to know	0.75
06/15/2014	University of Pittsburgh	Artificial Heart Program: Breathing Life into Patients with Chronic Heart Failure	0.5
06/15/2014	University of Virginia Health System	Pretest: CAD Exercise # 1	0.5
06/15/2014	University of Virginia Health System	Pretest: CAD Exercise #2	0.5
06/15/2014	University of Virginia Health System	Self-Assessment: Pediatric ECG Interpretation Pretest	0.5
06/15/2014	University of Virginia Health System	Case Study: Fractional Flow Reserve	1.25
06/15/2014	University of Virginia Health System	Post Test: CAD Exercise #1	0.25
06/15/2014	University of Virginia Health System	Case Study: Nuclear Imaging Pre and Post PTCA	0.5
06/15/2014	University of Virginia Health System	Posttest: HCPs and Medical Students	0.5
06/15/2014	University of Virginia Health System	Pretest: HCPs	0.5

### Category II:

**Date:** 01/01-12/31/14      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

### Patient Care Review:

**Date:** 01/01-12/31/14      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

### Consultation with Peers:

**Date:** 01/01-12/31/14      **Hours: 20.00+**

**Total Category I:**      **47.5**



## Curriculum Vitae

<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>100.5</b>

# Curriculum Vitae

## Continuing Medical Education-2013

<i>Type</i>	<i>Title</i>	<i>Available Credits</i>	<i>Date Claimed</i>	<i>Credits Claimed</i>
Online	Online Webcast - Social Media and Lifelong Learning	1.00	12/29/2013	1.00
Online	Online Webcast - Should Diabetes Drugs Require CV Safety Studies Approval?	0.25	12/29/2013	0.25
Online	Online Webcast - Resistant Hypertension: Current Diagnosis and Management	0.50	12/29/2013	0.50
Online	Online Webcast - Cardiomyopathies	0.50	12/29/2013	0.50
Online	Online Webcast - Clinical Strategies for Obesity Management	0.75	12/29/2013	0.75
Online	Online Webcast - Cardiogenic Shock and Mechanical Complications	0.50	12/29/2013	0.50
Online	Online Webcast - Atrial Fibrillation and Other Supraventricular	1.00	12/29/2013	1.00
Online	Online Webcast - Approaches to Reducing CVD Risk in Type 2 Diabetes	1.25	12/29/2013	1.25
Journal	Online Journal Article - Transient ischemic attack: Omen and	1.00	12/29/2013	1.00
Online	Online Journal Article - The FREEDOM trial: In appropriate patients with diabetes and multivessel coronary artery disease, CABG beats PCI	1.00	12/29/2013	1.00
Journal	Online Journal Article - Practical management of bleeding due to anticoagulants dabigatran, rivaroxaban, and apixaban	1.00	12/29/2013	1.00
Journal	Online Journal Article - Biomarkers in the emergency workup of chest Uses, limitations, and future	1.00	12/29/2013	1.00
Online	Online Webcast - Mitral Stenosis and Mitral Regurgitation	0.50	12/29/2013	0.50
Online	Online Webcast - Ventricular Tachycardia and Sudden Cardiac Death	0.25	12/29/2013	0.25
Online	Online Webcast - Stress Testing: Indications and Modality	0.50	12/29/2013	0.50
Online	Online Webcast - New Targets for Anti-Atherosclerotic Therapy	0.25	12/29/2013	0.25
Online	Online Webcast - ST-Segment Elevation Myocardial Infarction	0.50	12/29/2013	0.50
Online	Online Webcast - Intravascular Ultrasound Insight into the of Coronary Disease	0.25	12/29/2013	0.25
Online	Online Webcast - Factors Driving Progression and Regression of Plaques	0.25	12/29/2013	0.25
Online	Online Webcast - Congestive Heart Failure	0.25	12/29/2013	0.25
<i>Type</i>	<i>Title</i>	<i>Available Credits</i>	<i>Date Claimed</i>	<i>Credits Claimed</i>
Online	Online Webcast - Advanced Cardiovascular Imaging and Decision-Making	3.75	12/29/2013	3.75
Journal	Online Journal Article - Third universal definition of myocardial Update, caveats, differential diagnoses	1.00	12/29/2013	1.00
Journal	Online Journal Article - The jugular venous pressure revisited	1.00	12/29/2013	1.00
Online	Online Journal Article - Should we use pharmacogenetic testing when prescribing warfarin?	1.00	12/28/2013	1.00
Journal	Online Journal Article - Options for managing severe aortic stenosis: A casebased review	1.00	12/28/2013	1.00
Online	Online Journal Article - Evaluation and management of premature ventricular complexes	1.00	12/28/2013	1.00
Journal	Online Journal Article - Cardiovascular disease in women: Prevention, symptoms, diagnosis, pathogenesis	1.00	12/28/2013	1.00

## Curriculum Vitae

Journal	Online Journal Article - Cardiac tamponade: 12 pearls in diagnosis and management	1.00	12/28/2013	1.00
Journal	Online Journal Article - Can an ARB be given to patients who have had angioedema on an ACE inhibitor?	1.00	12/28/2013	1.00
Journal	Online Journal Article - Aspirin: Its risks, benefits, and optimal use in preventing cardiovascular events	1.00	12/28/2013	1.00
Journal	Online Journal Article - Advanced heart failure: Transplantation, LVADs and beyond	1.00	12/28/2013	1.00
Journal	Online Journal Article - A short story of the short QT syndrome	1.00	12/28/2013	1.00
Online	Online Case-Based Lesson - Deep Vein Thrombosis - DVT	0.50	12/28/2013	0.50
Online	Diagnosis and Management of Chronic Thromboembolic Pulmonary Hypertension	0.75	12/28/2013	0.75
Journal	Online Journal Article - Antiplatelet therapy to prevent recurrent stroke:  Three good options	1.00	12/28/2013	1.00

Category II:

**Date:** 01/01-12/31/13      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

**Patient Care Review:**

**Date:** 01/01-12/31/13      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

**Consultation with Peers:**

**Date:** 01/01-12/31/13      **Hours: 20.00+**

<b>Total Category I:</b>	<b>30.00</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>90.00</b>

# Curriculum Vitae

## Continuing Medical Education-2012

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
01/15/2012	Medscape from WebMD	Case Scenarios in AF related Stroke: Connecting the Dots between Clinical Trials and Patient Care	1.5
01/15/2012	CMEducation Resources, LLC	Cardiovascular Risk reduction in the setting of Diabetes and ACS	1.5
01/15/2012	University of Massachusetts Medical School	iQ&A Interactive Medical Intelligence Zone for Stroke Prevention in AF	2.0
03/18/2012	University of Massachusetts Medical School	Deciphering the Maze of Risk Specific Interventions for Stroke Prevention in Atrial Fibrillation	2.0
01/22/2012	The Postgraduate Institute of Medicine	Focus on Rhythm Control and Optimizing Outcome Domains in AF	2.0
01/22/2012	JAMA	CYP2C19 Genotype, Clopidogrel, Metabolism, Platelet Function, and Cardiovascular Events	1.0
01/22/2012	JAMA	Symptomatic In-Hospital Deep Vein Thrombosis and Pulmonary Embolism Following Hip and Knee Arthroplasty Among Patients receiving Recommended Prophylaxis	1.0
01/22/2012	American College of College Foundation	CardioQuestions: General Cardiology- Practice Exam 1	4.0
01/22/2012	American College of College Foundation	CardioQuestions: General Cardiology- Practice Exam 2	4.0
01/29/2012	University of Massachusetts Medical School	Emerging Paradigms and New Frontiers in The Science and Application of Antithrombotic interventions in ACS	2.0
01/31/2012	The Perelman School of Medicine at The University of Pennsylvania	Communication with the Referring Physicians Module	20.00
02/18/2012	University of Massachusetts Medical School	Evolving Science, New Mechanisms, Optimal Management: Clots, Contrast Media and Catheterization	2.0
02/05/2012	Medscape	Secondary Stroke Prevention in AF: Impact and Burden on Practice and Healthcare Systems	0.5
03/18/2012	American College of College Foundation	CV Board10-1. Coronary Artery disease Presentation	4.0
03/18/2012	American College of College Foundation	CV Board10-2. Aortic and Peripheral Arterial Disease Presentations	1.75
03/18/2012	American College of College Foundation	CV Board10-3. Electrophysiology Presentations	7.0
03/18/2012	American College of College Foundation	CV Board10-4. Imaging Presentations	5.0
03/18/2012	American College of College Foundation	CV Board10-5. Congenital Heart Disease and Pregnancy presentations	2.0
03/18/2012	American College of College Foundation	CV Board10-6. Hypertension, Lipids, Prevention Presentations	2.25
03/18/2012	American College of College Foundation	CV Board10-7. Heart Failure Presentations	4.5
03/18/2012	American College of College Foundation	CV Board10-8. Valve and Pericardial Disease Presentations	3.0
03/18/2012	American College of College Foundation	CV Board10-9. Miscellaneous Topics Presentations	4.25
04/29/2012	Mayo Clinic	2011 Cardiovascular Board Review- Coronary Artery Disease: Acute and Chronic	7.25
04/29/2012	Mayo Clinic	2011 Cardiovascular Board Review- Electrical system of the heart	8.5

### Category II:

**Date:** 01/01-12/31/12      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

## Curriculum Vitae

### Patient Care Review:

**Date:** 01/01-12/31/12      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

### Consultation with Peers:

**Date:** 01/01-12/31/12      **Hours: 20.00+**

<b>Total Category I:</b>	<b>93.00</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>153.00</b>

# Curriculum Vitae

## Continuing Medical Education-2011

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
01/09/2011	Medscape	The Potential of Direct Thrombin Inhibition for Anticoagulation in Atrial Fibrillation	0.25
01/16/2011	Purdue University	Antiplatelet Therapy in ACS and PCI: Practical Strategies to Improve Outcomes	0.25
05/15/2011	Medscape	Antiplatelet Therapy in the ACS Patient Undergoing CABG	0.25
08/08/2011	Cardiovascular Research Foundation	Drug Coated Balloons	1.0
10/09/2011	JAMA	Association Between Biologic Therapies for Chronic Plaque Psoriasis and Cardiovascular Events: A Meta-analysis of Randomized Controlled Trials	1.0
10/09/2011	JAMA	Risk of Incident Diabetes With Intensive-Dose Compared With Moderate-Dose Statin Therapy	1.0
10/09/2011	JAMA	Television Viewing and Risk of Type 2 Diabetes, Cardiovascular Disease, and All-Cause Mortality: A Meta-analysis	1.0
10/09/2011	JAMA	A Proposed Model for Initial Assessment and Management of Acute Heart Failure Syndromes	1.0
10/09/2011	JAMA	Clinical Inertia as a Clinical Safeguard	1.0
10/09/2011	JAMA	Long-term Management of Venous Thromboembolism: A 61-Year-Old Woman With Unprovoked Venous Thromboembolism	1.0
10/09/2011	JAMA	Association of Episodic Physical and Sexual Activity With Triggering of Acute Cardiac Events	1.0
10/09/2011	JAMA	Sarcoidosis: Clinical Presentation, Immunopathogenesis, and Therapeutics	1.0
11/13/2011	Cardiovascular Research Foundation	Post ESC Late Breaking Trial Review	1.0
11/30/2011	Cardiovascular Research Foundation	Post TCT: LBT Review - Focus on Transcatheter Aortic Valve Replacement	1.0
12/13/2011	TCT	Post TCT 2011: Platelet Function Testing and STEMI Interventions	1.0
12/15/2011	Cardiovascular Research Foundation	Optimal Antiplatelet Therapy in Patients Undergoing PCI: A Case-based Roundtable with the Experts	1.0
12/20/2011	TCT	Post-AHA Late Breaking Trial Review: A Summary of the Adjunct Pharmacology Options in ACS & ST Segment Elevation	1.0

# Curriculum Vitae

12/01/2011    Cardiovascular Research Foundation    Myocardial Infarctions  
Ischemia, Viability, and Complete Revascularization in CAD: 1.0  
What Really Matters?

## Category II:

**Date:** 01/01-12/31/11    Reading current medical journals, listening to audio tapes  
(American College of Cardiology Extended Learning  
tapes), watching medical educational television broadcasts.    **Hours: 20.00+**

## Patient Care Review:

**Date:** 01/01-12/31/11    Peer review, case conferences, service on hospital medical  
staff committee    **Hours: 20.00+**

## Consultation with Peers:

**Date:** 01/01-12/31/11    **Hours: 20.00+**

**Total Category I:**    **15.75**  
**Total Category II:**    **60.00**  
**Total CME's:**    **75.75**

# Curriculum Vitae

## Continuing Medical Education-2010

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
03/13/2010	Cardiovascular Research Foundation	Optimizing PCI outcomes: Evolving Paradigms	4.25
03/14-3/16	American College of Cardiology Foundation	ACC 59 <sup>th</sup> Annual Scientific Session/Innovation in Intervention: i2 summit 2010	26.25
03/14/2010	Voxmedia LLC	Managing Atherothrombosis with Antiplatelet therapy: Challenges and Opportunities	2.00
03/15/2010	Medical Education Resources, Inc	Treatment Goals in Pulmonary Arterial Hypertension	2.00
04/04/2010	University of Pennsylvania school of Medicine	2009Update in Interventional Cardiology	10.00
05/23/2010	Medscape	Differentiating Antiplatelet Therapy in ACS	0.50
05/23/2010	Medscape	Aortic Stenosis: Issues in Diagnosis and Management	0.50
05/23/2010	JAMA	Aspirin for Prevention of Cardiovascular Events in a General Population Screened for a Low Ankle Brachial Index: A Randomized Controlled Trial	1.00
06/13/2010	Medscape	Percutaneous Mitral Valve Repair	0.75
06/13/2010	Medscape	Assessing the costs of Antiplatelet Resistance	0.5
06/13/2010	Medscape	Left Atrial Appendage Closure	0.25
06/13/2010	The University of Pennsylvania school of medicine	Interventional Cardiology Simulations Module	2.00
06/20/2010	JAMA	Association Between 9p21 Genomic Markers and Heart Disease: A Meta-analysis	1.0
06/27/2010	Medscape	Drug Eluting Stents: Head-to-Head Clinical Trial Results	1.0
07/04/2010	Medscape	Atrial Fibrillation Recurrence and Cardiovascular Events: Optimizing Patient Care	1.0
07/04/2010	Medscape	Challenges in Patient Care:Current Trends in Stroke Risk Assessment and Prevention in AF	0.5
07/04/2010	Medscape	The Late Night Report – Part I	0.25
07/04/2010	Medscape	Myocardial Imaging and Cardiac Events in Heart Failure: Advances in Risk Assessment	1.0
07/11/2010	JAMA	Inhaled Anticholinergics and the Risk of Major Adverse Cardiovascular Events in Patients with Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta Analysis of Randomized Trials	1.0
07/11/2010	JAMA	Depression Screening and Patient Outcomes in Cardiovascular Care: A Systematic Review	1.0
07/11/2010	JAMA	Risk of Deep Vein Thrombosis Following a Single Negative Whole-Leg Compression Ultrasound: A systematic Review and Metaanalysis	1.0
08/22/2010	JAMA	An 86 yr old woman with Cardiac Cachexia Contemplating the end of her Life: Review of Hospice Care	1.0
08/22/2010	JAMA	A 43yr old man with Angina, Elevated Troponin, and Lateral ST depression: Management of Acute Coronary Syndromes	1.0
08/22/2010	Medscape	The Late Night Report –Part I	0.25
08/22/2010	Medscape	Assessing the Right Ventricle in Pulmonary Arterial Hypertension: Getting to the Heart of the matter	0.25
08/23/2010	Medscape	ICD Shocks and Mortality: Implications for Patient Care	0.25
08/23/2010	Medscape	PCI in the Complex Patient	0.25
08/23/2010	Medscape	Focus on: Update on Best Practices for the treatment of Atrial Fibrillation	0.25



## Curriculum Vitae

08/23/2010	Medscape	Proton Pump Inhibitors and Dual Antiplatelet Therapy: Myths and Reality	0.25
08/28/2010	Medscape	A 42 yr old man Considering whether to Drink Alcohol for his Health	1.0
08/28/2010	Medscape	The Prevention of Microalbuminuria in Diabetes	0.50
08/28/2010	Medscape	Diagnosis and Management of a Patient With Early Pulmonary Arterial Hypertension With Class II Functional Limitation	1.0
08/28/2010	National Lipid Association	Highlighting the Role of HDL-C in Lipid Management	0.75
09/05/2010	Medscape	Trial Designs in AF-Related Stroke: How Do They Relate to Real-World Practice?	0.25
09/05/2010	Medscape	Tailoring Oral Antiplatelet Therapy in ACS Patients Undergoing PCI	0.25
10/03/2010	Medscape	The Late Night Report: Part 2	0.50
October 03, 2010	The University of Pennsylvania School of Medicine	2010 Update in Interventional Cardiology module	10.0
10/17/2010	Medscape	Beyond Late Loss: Individualized Stent Therapy	0.25
10/17/2010	The University of Pennsylvania School of Medicine	2010 Update in Cardiovascular Disease module	10.0
10/17/2010	North American Center for Continuing Medical Education, LLC (NACCME)	Implementation of Current Guidelines and New Concepts in the Management of Atrial Fibrillation	1.0
10/17/2010	The Cardiovascular Research Foundation	PAD: Module 2: Endovascular Tools and Their Applications	1.5
10/31/2010	Medscape	An Update on Bleeding in Acute Coronary Syndromes: What Is Beyond the Horizon?	0.25
11/07/2010	Medscape	Antiplatelets in ACS: Cases in Point	0.75
11/13/2010	Medscape	Transradial access	0.50
11/13/2010	The University of Oklahoma College of Medicine	Commitment and Compassion: Pain Management and Palliative Care Web Edition-#5E015WEB	12.00
11/14/2010	Purdue University	Antiplatelet Therapy in ACS: Applying New Science to Clinical Decisions	1.25
11/14/2010	Purdue University	Mechanisms and Consequences of Cardiac Ischemia-reperfusion injury: Insights and evidence to improve outcomes	1.5
11/14/2010	American Society of Hypertension	The foundation role of beta blockers across the cardiovascular disease spectrum: A year 2009 update	2.0
11/14/2010	Purdue University	Antiplatelet therapy in ACS and PCI: Practical Strategies to improve outcomes	2.0
11/14/2010	Purdue University	Antiplatelet Therapy: State of Play	0.5
12/12/2010	American College of Cardiology Foundation	CCT-SAP2 1.1: Image Reconstruction for ECG Triggered and ECG-Gated Multidetector Row	0.5
12/12/2010	American College of Cardiology Foundation	CCT-SAP2 1.2: Principles of Radiation Dose in Cardiac CT	0.5
12/12/2010	American College of Cardiology Foundation	CCT-SAP2 1.3: Principles of Multi-Slice Cardiac CT Image Acquisition	0.5
12/12/2010	American College of Cardiology Foundation	CCT-SAP2 1.4 CT Protocols- Contrast and Radiation	0.5
12/12/2010	American College of Cardiology Foundation	CCT-SAP2 2.1: How to set up a Cardiovascular Computed Tomography Laboratory	1.0
12/12/10	American College of Cardiology Foundation	CCT-SAP2 2.2: Training Certification and Reimbursement	0.5
12/12/10	American College of Cardiology Foundation	CCT-SAP2 3.1: CT Calcium Protocols and Quantification	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 3.2: Coronary Artery Calcium and Cardiac Events	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 3.3: Sequential Coronary Artery Calcium Imaging to assess Progression of Atherosclerosis	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 3.4: Aortic and Valvular Calcification	0.50

## Curriculum Vitae

12/12/10	American College of Cardiology Foundation	CCT-SAP2 3.5: Management of Findings of Noncontrast CT	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 3.6: New Data from Noncontrast CT	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 4.1: Data Acquisition and Image Processing	0.50
12/12/10	American College of Cardiology Foundation	CCT-SAP2 4.2: Detection of Coronary Artery Stenoses	1.50
12/12/10	American College of Cardiology Foundation	CCT-SAP2 4.3: Coronary Anomalies	0.75
12/12/10	American College of Cardiology Foundation	CCT-SAP2 4.4: Coronary CT Angiography in the Evaluation of Acute chest pain	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 4.5: Recognition and Resolution of Typical Artifacts	1.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 5.2: Congenital Heart Disease: Complex CHD and postoperative evaluation	0.75
12/12/10	American College of Cardiology Foundation	CCT-SAP2 6.1: Evaluation of Ventricular Anatomy and Function	0.5
12/12/10	American College of Cardiology Foundation	CCT-SAP2 6.2: Atrial anatomy and function	0.75
12/12/10	American College of Cardiology Foundation	CCT-SAP2 7.1: Assessment of coronary artery disease with integrated Cardiac PET-CT	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 8.1: Use of Cardiac CT in Management of Patients with Arrhythmias	0.5
12/12/10	American College of Cardiology Foundation	CCT-SAP2 9.1: Incidental Cardiovascular Findings	2.50
12/12/10	American College of Cardiology Foundation	CCT-SAP2 9.2: Incidental Noncardiovascular Findings	1.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 1	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 2	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 3	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 4	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 5	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 6	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Cardiac Function and Structure Assessment by Cardiac CT: Case 7	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Congenital Heart Disease Evaluation by CCT: Case 1	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Congenital Heart Disease Evaluation by CCT: Case 2	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Congenital Heart Disease Evaluation by CCT: Case 3	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Congenital Heart Disease Evaluation by CCT: Case 4	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Congenital Heart Disease Evaluation by CCT: Case 5	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 CT-EP Applications; Case 2	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 CT EP Applications: Case 3	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 CT EP Applications: Case 4	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 CT EP Applications: Case 5	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 CT EP Applications: Case 6	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 CT EP Applications: Case 7	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Noncardiac Chest Pathology: Case 1	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Noncardiac Chest Pathology: Case 2	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Noncardiac Chest Physiology: Case 4	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Noncardiac Chest Physiology: Case 5	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Noncontrast Cardiac CT Including Coronary Artery Calcium: Case 1	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Noncontrast Cardiac CT Including Coronary	0.25



## Curriculum Vitae

12/12/10	American College of Cardiology Foundation	CCT-SAP2 Supplemental Cases: Case 6	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Supplemental Cases: Case 7	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Supplemental Cases: Case 8	0.25
12/12/10	American College of Cardiology Foundation	CCT-SAP2 Supplemental Cases: Case 9	0.25
12/11/10	Medscape	CT Angiography is Most Useful in Patients at Intermediate Risk for Coronary Disease	0.25

Category II:

**Date:** 01/01-12/31/10      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

*Patient Care Review:*

**Date:** 01/01-12/31/10      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

*Consultation with Peers:*

**Date:** 01/01-12/31/10      **Hours: 20.00+**

<b>Total Category I:</b>	<b>143.50</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>205.50</b>

# Curriculum Vitae

## Continuing Medical Education-2009

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General
2/07/09	University of Kentucky	Recent Advances in Antiplatelet Therapy for ACS Patients	2
2/07/09	Elsevier	Thombosis Clinic	4
2/08/09	Institute for Advanced Medical Education	Vascular Ultrasound: An Intensive Review Volume 2: Peripheral Vascular Doppler	7
2/21/09	Medscape (from WebMD)	Acute and Long-term Therapy in Patients Undergoing PCI	0.25
2/21/09	Medscape (from WebMD)	Focus on bleeding	0.25
2/21/09	Medscape (from WebMD)	Highlights From Preventing Ischemic Events Following PCI: Addressing the Issues and Controversies	0.5
2/21/09	Duke University School of Medicine	Antithrombotics in ACS: A Virtual Series. Antithrombotic Therapy for Medically Managed STEMI Patients	1.0
2/21/09	Medscape (from WebMD)	Focus on Cardiovascular Disease and Diabetes	1.0
2/21/09	Medscape (from WebMD)	DES in Complex Patients: A Case-Based Discussion	1.0
2/21/2009	Medscape (from WebMD)	Genetics of Atrial Fibrillation: What Are the Clinical Implications?	0.25
2/21/2009	Medscape (from WebMD)	Drug-Eluting Stents and Noncardiac Surgery	0.25
3/08/09	Journal of American Medical Association	January 28, 2009:Diagnostic Performance of Computed Tomography Angiography in Peripheral Arterial Disease: A Systematic Review and Metaanalysis	1.0
3/28/2009	Massachusetts Medical Society	Comparison of Weight-Loss Diets with Different Compositions of Fat, Protein, and Carbohydrates Frank M. Sacks, et al.; N Engl J Med 2009;360:859-873	1.0
3/29/2009	Voxmedia LLC	Maximizing Benefit and Minimizing Risk in ACS: Anticoagulant Therapy in Vulnerable Patient Populations	2.0
3/28/2009- 3/31/2009	American College of Cardiology	ACC 58th Annual Scientific Session/Innovation in Intervention: i2 Summit 2009	27.75
4/01/2009	American Board of Internal Medicine	Maintenance of Certification	10.0
06/03/09	San Joaquin Community Hospital	Chest Pain	1.0
07/06/09	The heart.org (from WebMD)	Clopidogrel Resistance • Clinical Implications/Solutions	1.0
07/06/09	Medscape (from WebMD)	Upstream Adjunctive Therapy: The Importance of Early Timing in the Treatment of NSTEMI	1.0
07/06/09	Massachusetts Medical Society	HDL Cholesterol, Very Low Levels of LDL Cholesterol, and Cardiovascular Events. Philip Barter, et al. N Engl J Med 2007; 357:1301-1310, September 27, 2007	1.0
07/11/09	Elsevier	The American Journal of Medicine Update Prevention of Venous Thromboembolism in Patients With Acute Ischemic Stroke	2.0
07/11/09	Elsevier	The American Journal of Medicine Update Diagnosis and Treatment of VTE, DVT, and PE	3.50
09/02/09	San Joaquin Community Hospital	Outpatient Use of Antiplatelet & Anticoagulant Therapy in Cardiovascular Disease	1.5
09/07/09	Massachusetts Medical Society	Should Coronary Calcium Screening Be Used in Cardiovascular Prevention Strategies?	1.0
09/07/09	Journal of American Medical Association	Heart Failure Performance Measures and Outcomes: Real or Illusory Gains	1.0
09/07/09	Duke University School of Medicine	Improving the Safety of Percutaneous Coronary Interventions	0.5
09/07/09	Duke University School of Medicine	Role of Platelet Inhibition in ACS Management: Present and Future	0.5

## Curriculum Vitae

11/14-11/19/09	American Heart Association	Annual Scientific Sessions, Orlando, FL	38.50
11/16/09	Purdue University	Antiplatelet Therapy in ACS: Applying New Science to Clinical Decisions, a Live Symposium at Orlando, FL	1.5
11/22/09	National Kidney Foundation	American Journey of Kidney Disease CME Review Activity	2.0
12/14/09	Medscape (from WebMD)	New Data and the Clinical Implications on the use of High Loading and Maintenance Doses of Clopidogrel	0.25
12/14/09	Medscape (from WebMD)	Antiplatelet Therapy in ACS: Evidence based Medicine in Real-World Practice	0.25
12/14/09	Medscape (from WebMD)	Antiplatelet therapy in Patients with ACS-What is the role of New Agents	1.0
12/26/09	Medscape (from WebMD)	Risk Stratification in Hypertrophic Cardiomyopathy: ICD Therapy	0.5

Category II:

**Date:** 01/01-12/31/09      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

**Patient Care Review:**

**Date:** 01/01-12/31/09      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

**Consultation with Peers:**

**Date:** 01/01-12/31/09      **Hours: 20.00+**

<b>Total Category I:</b>	<b>116.25</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>176.25</b>

# Curriculum Vitae

## Continuing Medical Education-2008

### Category I:

	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	General	Nuclear
1/23/08	Continuing Medical Education Program -Hastings, NE (online)	Pulmonary Hypertension: An Increasingly Recognized Complication of Hereditary Hemolytic Anemias and HIV Infection	1	
2/12/08	ACCF -Hastings, NE (online)	ACCEL-October 2007	3.5	
2/12/08	ACCF -Hastings, NE (online)	ACCEL-November 2007	3.5	
2/12/08	ACCF -Hastings, NE (online)	ACCEL-December 2007	3.5	
2/12/08	ACCF -Hastings, NE (online)	ACCEL-January 2008	3.5	
2/12/08	ACCF -Hastings, NE (online)	ACCEL-February 2008	3.5	
04/17/08	Medscape (online) -New York, NY	Antiplatelet Trials: What is to come in 2008 and beyond	0.5	
01/14/08	Continuing Medical Education Program - Hastings, NE (online)	Glucocorticoid Receptor Gene and Risk of Cardiovascular Disease	1.0	
03/31/08	Medscape (online) -New York, NY	Improving outcomes in AF: How can we do better	1.0	
04/08/08	Medscape (online) New York, NY	Understanding stent thrombosis and antiplatelet therapy	.50	
04/10/08	Medscape (online)	Optimizing outcomes in STEMI patients	.50	
04/16/08	Medscape (online)	An update from the American College of Cardiology 2008 Scientific Sessions/i2 Summit-SCAI Annual Meeting	.75	
05/13/08	Mary Lanning Memorial Hospital - Hastings, NE	ACLS/BLS Physician Renewal Course	6.0	
05/27/08	Lincoln Medical Education Partnership	Nebraska Heart Institute Echo Conference	1.0	
5/27/08	Lincoln Medical Education Partnership	Nebraska Heart Institute Echo Conference	1.0	
06/03/08	MedScape (online) -New York, NY	Optimizing outcomes in acute coronary syndromes: Role of new approaches to platelet inhibition	.75	
06/07/08	Elsevier	Adjunctive Anticoagulation in Fibrinolysis	1.0	
06/08/08	Univ. of Virginia Health System (on-line)	CardioVillage	1.25	
06/08/08	Professional Postgraduate Services (on-line)	OnsiteInsight on Issues in Antiplatelet and Antithrombotic Therapy	1.0	
6/12-13/08	The Page and William Black Post-Graduate School	2008 Live symposium of Complex Coronary & Cardiovascular Cases	15.75	
06/23/08	American College of Cardiology Foundation	March 2008 Issue	3.50	
06/23/08	American College of Cardiology Foundation	April 2008 Issue	3.50	
06/23/08	American College of Cardiology Foundation	May 2008 Issue	3.50	
06/23/08	American College of Cardiology Foundation	June 2008 Issue	3.50	
06/28/08	Duke Clinical Medicine Series	Greater Platelet Inhibition in the Treatment of ACS Patients Undergoing PCI: the Triton-TIMI 38 Trial	1.0	
07/04/00 8	Massachusetts Medical Society	Facilitated PCI in Patients with ST-Elevation Myocardial Infarction	1.0	
07/20/08	Elsevier	Therapeutic Options for Cardiometabolic Risk Factors	4.0	
08/16/08	Medscape from WebMD	Examining the effects of CB1 blockade on CAD with	0.25	

## Curriculum Vitae

08/16/08	Journal of American Medical Association	IVUS: STRADIVARIUS results Heart Failure With Preserved Ejection Fraction: Treat Now by Treating Comorbidities	1.0
08/16/08	Duke Clinical Medicine Series	Prasugrel Compared to Clopidogrel in Patients with Acute Coronary Syndromes Undergoing PCI with Stenting: the TRITON - TIMI 38 Stent Analysis	1.0
08/17/08	American College of Cardiology Foundation	ACCEL - August 2008 Issue	3.5
08/17/08	American College of Cardiology Foundation	ACCEL - July 2008 Issue	3.5
07/18/08	Medscape from WebMD	Decision 2008: The art and science of DES	2.0
08/20/08	Medscape from WebMD	Thienopyridines in PCI: The lowdown on loading doses	0.5
10/14/08	Massachusetts Medical Society	Long-Term Follow-up after Tight Control of Blood Pressure in Type 2 Diabetes	1.0
11/01/08	Medscape from WebMD	PCI vs CABG in Multivessel Disease	0.5
11/16/08	Medscape from WebMD	Applying New Anticoagulant Data to Clinical Practice	0.5
11/16/08	University of Kentucky	"Recent Advances in Antiplatelet Therapy for ACS Patients	2.50
11/18/08	American Heart Association	Annual Scientific Sessions	37.75
11/19/08	Medscape from WebMD	Focus on anticoagulant therapy: An update from TCT 2008	1.0
11/23/08	Medscape from WebMD	TCT 2008: What Was Hot?	0.5
12/02/08	Duke Clinical Medicine Series	Dealing with Common Questions & Potential Side Effects	1.0
12/02/08	Duke Clinical Medicine Series	Current Concepts in the Diagnosis & Treatment of Diastolic Heart Failure	0.5
12/02/08	Duke Clinical Medicine Series	Secondary Prevention: Lifestyle	0.5
12/02/08	Duke Clinical Medicine Series	Systolic Heart Failure: Is it Time to Move Beyond ACE Inhibitors and Beta-blockers?	0.5
12/02/08	Duke Clinical Medicine Series	Secondary Prevention: Medications	0.5
12/02/08	Duke Clinical Medicine Series	Diagnosing Ischemic Heart Disease	0.5
12/11/08	The Institute for Advanced Medical Education	Vascular Ultrasound: An Intensive Review Volume 1: Carotid Doppler	8.0
12/11/08	Duke Clinical Medicine Series	Improving Heart Failure Care in the Office and Outpatient Clinic	0.5
12/07/08	National Kidney Foundation	American Journal of Kidney Diseases CME review	3.0
11/08/08	The Postgraduate Institute for Medicine (PIM)	Controversies in Interventional Cardiology and Acute Myocardial Infarction Management	2.5

### Category II:

**Date:** 01/01-12/31/08      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

### Patient Care Review:

**Date:** 01/01-12/31/08      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**



# Curriculum Vitae

Consultation with Peers:

Date: 01/01-12/31/08

Hours: 20.00+

<b>Total Category I:</b>	<b>143.50</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>203.50</b>

# Curriculum Vitae

## Continuing Medical Education-2007

### Category I:

<u>Date</u>	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	<u>Hours</u>
1/13/07	ACCF -Hastings, NE (online)	Program Highlights-Increased Mortality with DES: Is This a Real Problem?	.25
1/14/07	Duke Clinical Medicine Series -Hastings, NE (online)	How to Get Involved in Research as a Private Practice Interventionalist	1.00
1/26/07	Duke Clinical Medicine Series -Hastings, NE (online)	Carotid Stenting	1.00
1/27/07	Duke Clinical Medicine Series -Hastings, NE (online)	Henodynamics in the Cath Lab	1.00
1/29/07	University of Virginia Health Systems -Hastings, NE (online)	Cardio Village	1.50
2/3/07	Duke Clinical Medicine Series -Hastings, NE (online)	DES Thrombosis	1.00
3/13/07	Medscape from WEBMD -Hastings, NE (online)	Challenging Cases in Coronary Intervention: LIMA-LAD Stenosis Post CABG	.25
3/21/07	Elsevier -Hastings, NE (online)	Thrombosis Clinic	4.00
3/24-27/07	ACCF -New Orleans, LA	56th Annual Scientific Session	34.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-January 2006	3.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-February 2006	3.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-January 2007	3.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-February 2007	3.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-March 2007	3.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-April 2007	3.50
5/14/2007	ACCF -Hastings, NE (online)	ACCEL-May 2007	3.50
5/14/2007	Duke Clinical Medicine Series -Hastings, NE (online)	Therapies for Chronic CAD	1.00
5/15/2007	Duke Clinical Medicine Series -Hastings, NE (online)	The FREEDOM Trial	1.00
6/13-16/07	Mount Sinai School of Medicine -NYC, NY	Live Symposium of Complex Coronary and Cardiovascular Cases X	15.75
6/14/07	Univ of Cincinnati -Hastings, NE (online)	ACEIs, ARBs and rennin inhibitors: How best to block the RAS?	1.00
7/18/07	LMEP -Lincoln, NE	The Echo Conference-The Clinical Significance of Echocardiographic Findings Focus on Systemic Disease and Calcium Findings	1.00
7/18/07	JAMA -Hastings,NE (online)	Acute Emotional Stress and Cardiac Arrhythmias	1.00
8/15/07	JAMA -Hastings,NE (online)	High-Density Lipoprotein as a Therapeutic Target: A Systematic Review	1.00
9/19/07	JAMA -Hastings,NE (online)	Prescribing Amiodarone: An Evidence-Based Review of Clinical Indications	1.00
9/27/07	Medical Media Communications -Las Vegas, NV	VIVA Visions into the Future of Endovascular Medicine Evaluation and Management of Lower Extremity Peripheral	4.50

## Curriculum Vitae

		Arterial Disease	
9/24/07	Medscape -Hastings, NE (online)	Refining the Management of Heart Failure: Innovations in Myocardial Perfusion Imaging	.25
9/27/07	Medical Media Communications -Las Vegas, NV	Advances on the Treatment of Critical Limb Ischemia	2.00
9/27/07	Medical Media Communications -Las Vegas, NV	Management of Peripheral Arterial Disease: Challenges and Conquests	2.00
9/28/07	Medical Media Communications -Las Vegas, NV	VIVA: Vascular InterVentional Advances The National Education Course for Vascular Intervention & Medicine	24.50
9/30/07	Medscape -Hastings,NE (online)	The Utility of Thallium for Myocardial Perfusion Imaging	1.00
9/30/07	ACCF -Hastings, NE (online)	ACCEL-June 2007	3.50
9/30/07	ACCF -Hastings, NE (online)	ACCEL-July 2007	3.50
9/30/07	ACCF -Hastings, NE (online)	ACCEL-August 2007	3.50
9/30/07	ACCF -Hastings, NE (online)	ACCEL-September 2007	3.50
9/30/07	University of Virginia Health Systems -Hastings, NE (online)	Cardio Village	13.75
11/4/7-11/7/7	American Heart Association -Orlando, FL	Scientific Sessions	37.50
11/12/07	Medscape -Hastings, NE (online)	First Response: The Experts Take on TRITON	.50
12/11/07	University of Minnesota -Hastings, NE (online)	Update on Chronic Stable Angina	1.00
12/14/07	Med-IQ -Hastings, NE (online)	Direct Thrombin Inhibitors in ACS and MI From ACUITY to HORIZONS	1.00

### **Category II:**

**Date: 01/01-12/31/07**      Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.      **Hours: 20.00+**

### **Patient Care Review:**

**Date: 01/01-12/31/07**      Peer review, case conferences, service on hospital medical staff committee      **Hours: 20.00+**

### **Consultation with Peers:**

**Date: 01/01-12/31/07**      **Hours: 20.00+**

<b>Total Category I:</b>	<b>146.25</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>206.25</b>

# Curriculum Vitae

## Continuing Medical Education-2006

### Category I:

<u>Date</u>	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	<u>Hours</u>
1/20/6	Duke Clinical Medicine Series -Hastings, NE (online)	An Evidence-based Rationale for Successful Chronic Total Occlusion (CTO) Recanalization	1.00
2/8/6	Duke Clinical Medicine Series -Hastings, NE (online)	Cardiogenic Shock in 2005: The Value of IABP	1.00
2/8&9/6	Medical Media Communications, Inc -Wichita, KS	Partnerships in Peripheral Vascular Disease: Peripheral Preceptorship Program 2006	20.00
2/26/6	Duke Clinical Medicine Series -Hastings, NE (online)	Advances in ADP Receptor Blockade in ACS	1.00
2/26/6	Duke Clinical Medicine Series -Hastings, NE (online)	PCI for Cardiogenic Shock: Lessons & Advances	1.00
3/6/6	Univ of Cincinnati -Hastings, NE (online)	Complex high-risk PCI and GPIIb/IIIa inhibition: Cath lab cases from the Cleveland Clinic	1.00
3/10/6	ACCF -Hastings, NE (online)	ACCEL-March 2006 Issue	3.50
3/11/6	Postgraduate Institute for Medicine (PIM) -Atlanta, GA	Ischemia: New Understanding, New Medical Therapies and Beyond	1.00
3/11-14/6	ACCF -Atlanta, GA	55 <sup>th</sup> Annual Scientific Session	22.50
3/15/6	Univ of Cincinnati -Hastings, NE (online)	Antiplatelet therapy: Making the connection from clinical trial to patient care	1.00
3/17/6	Univ of Cincinnati -Hastings, NE (online)	Defining Foundation Antithrombin Therapy in ACS: From Past to Present	1.00
3/20/6	Duke Clinical Medicine Series -Hastings, NE (online)	Does Late Lumen Loss Really Correlate with Clinical Events After DES?	1.00
3/20/6	Duke Clinical Medicine Series -Hastings, NE (online)	The Status of Percutaneous Aortic and Mitral Repair/Replacement	1.00
3/22/06	Univ of Cincinnati -Hastings, NE (online)	Defining the Role of Thrombolytics in the Management of STEMI	1.00
3/25/6	Mary Lanning Memorial Hospital -Hastings, NE	Clinical Updates	3.00
4/5/6	ACCF -Hastings, NE (online)	ACCEL-April 2006 Issue	3.50
4/6-8/6	American Society of Nuclear Cardiology -Milwaukee, WI	CT Angiography for the Cardiologist	20.00
4/16/6	Duke Clinical Medicine Series -Hastings, NE (online)	Embolic Protection & Thrombectomy: If Yes, When, Who, and How	1.00
4/17/6	ACCF -Hastings, NE (online)	Case Studies-CT/MRI of the Month: Cardiac Amyloidosis: Is There a Role for Cardiac MRI?	1.00
4/17/6	ACCF -Hastings, NE (online)	Case Studies-ECG of the Month: Vasovagal Syncope	.25
4/17/6	ACCF -Hastings, NE (online)	CT Angiography-What is the Relative Role of Cardiologists & Radiologists in CTA?	.25
4/18/6	Univ of Cincinnati -Hastings, NE (online)	Stenting of a high-grade calcified eccentric LAD lesion	1.00
4/19/6	ACCF -Hastings, NE (online)	Program Highlights-PCI With or Without Surgical Backup	.25
4/20/6	Duke Clinical Medicine Series -Hastings, NE (online)	The CHARISMA Trial: Implications For Your Practice	1.00
4/20/6	Duke Clinical Medicine Series -Hastings, NE (online)	The Truth about ACTs	1.00
4/30/6	Annenberg Center for Health Sciences	New Developments in Antiplatelet Therapy	2.00

## Curriculum Vitae

5/4/6	-Hastings, NE (online) ACCF	Case Studios-Echo of the Month: Congenital Heart Disease	.25
5/4/6	-Hastings, NE (online) ACCF	Case Studios-Giant Cell Coronary Artery Aneurysm	.25
5/5/6	-Hastings, NE (online) Medical Education Collaborative -Hastings, NE (online)	The Emerging Frontier of Anticoagulation in ACS: Factor Xa Inhibition to Avoid Bleeding and Improve Prognosis-Results from OASIS-5	1.00
5/14/6	Duke Clinical Medicine Series -Hastings, NE (online)	The Truth about Vascular Closure Devices	1.00
5/14/6	Duke Clinical Medicine Series -Hastings, NE (online)	Antiplatelet Therapy in the Catheterization Laboratory	1.00
5/14/6	Duke Clinical Medicine Series -Hastings, NE (online)	ISAR-REACT 2	1.00
5/29/06	ACCF -Hastings, NE (online)	Case Studies Absence of Perfusion Defect May Be False Negative Findings	.25
5/29/06	ACCF -Hastings, NE (online)	Case Studies-CT?MRI of the Month Non-Invasive Imaging of the Coronary Arteries: The Beginning of a New Era	.25
5/29/06	Duke Clinical Medicine Series -Hastings, NE (online)	Acute NSTEMI with a Cold, Painful Foot: Practical Management Strategies Interventionalists Need to Know	1.00
5/29/06	Duke Clinical Medicine Series -Hastings, NE (online)	Percutaneous Treatment of AAAs: Who, Why, When, and How	1.00
5/29/06	Duke Clinical Medicine Series -Hastings, NE (online)	The New NSTEMI-ACS Guidelines and Cath Lab Practices-A European Perspective	1.00
6/10/06	Duke Clinical Medicine Series -Hastings, NE (online)	How Can Computed Tomography and Magnetic Resonance Help You Care for Your Patients with ACS?	1.00
6/10/06	Duke Clinical Medicine Series -Hastings, NE (online)	Rescue PCI in AMI: REACT-2	1.00
6/11/06	NACCME -Hastings, NE (online)	Cardiac CT: A Practical Approach	1.50
6/11/06	Duke Clinical Medicine Series -Hastings, NE (online)	What Happens to the NSTEMI/ACS Patient in the Hospital?: Results from CRUSADE National QI Initiative	1.00
6/15-16/06	Mount Sinai School of Medicine -New York, NY	Live Symposium of Complex Coronary & Cardiovascular Cases	15.50
06/26/06	Mary Lanning Memorial Hospital -Hastings, NE	ACLS Renewal Course	8.00
7/3/06	Univ of Cincinnati -Hastings, NE (online)	Advances in chronic total occlusions: An expert panel case study perspective	1.00
8/1/06	ACCF -Hastings, NE (online)	Case Studies - Cath of the Month: Treatment and Diagnosis of Iatrogenic Right Coronary Cusp Dissection	.25
8/11-13/06	CVCT Institute -Tucson, AZ	Coronary CTA Course	24.00
8/22/06	AACF -Hastings, NE (online)	ACCEL-May 2006 Issue	3.50
8/22/06	AACF -Hastings, NE (online)	ACCEL-June 2006 Issue	3.50
8/22/06	AACF -Hastings, NE (online)	ACCEL-July 2006 Issue	3.50
8/22/06	AACF -Hastings, NE (online)	ACCEL-August 2006 Issue	3.50
09/01/06	Univ of Cincinnati -Hastings, NE (online)	Antithrombin Therapy in Acute Coronary Syndromes: Evidence Based Management of UA/STEMI and STEMI	1.50
9/10/06	Elsevier	Challenges in Diagnosis and Management of Acute	2.00

## Curriculum Vitae

9/12/06	-Hastings, (online) Medscape from WEB MD	Coronary Syndrome in the Emergency Department Platelet Inhibition: Contemporary Approaches and Future Expectations	.75
09/16/06	-Hastings, NE (online) Duke Clinical Medicine Series	Drug-eluting Stent Safety	1.00
09/17/06	-Hastings, NE (online) Elsevier	Antithrombotics and Thrombolytics for the Treatment of Acute Coronary Syndromes	5.50
9/29/06	Medscape -Hastings, NE (online)	Medical Management of Chronic Stable Angina in an Age of Intervention	.50
10/1/06	ACCME -Hastings, NE (online)	Antithrombin Therapy in Acute Coronary Syndromes: Evidence-based Management of UA/NSTEMI and STEMI	1.50
10/05/06	Univ of Cincinnati -Hastings, NE (online)	Advances in Chronic Total Occlusions: An Expert Panel Case Study Perspective-Case 2	1.00
10/8/06	ACCF -Hastings, NE (online)	ACCEL-September 2006 Issue	3.50
10/8/06	ACCF -Hastings, NE (online)	ACCEL-October 2006 Issue	3.50
10/22-27/6	Cardiovascular Research Foundation -Washington, DC	TCT 2006 Transcatheter Cardiovascular Therapeutics	51.75
11/6-7/06	Medical Media Communications -Springfield, IL	Tutorials in Peripheral Vascular Interventions, 2006	20.00
11/8-9/06	Medical Media Communications -Springfield, IL	Partnerships in Peripheral Vascular Disease: Peripheral Preceptorship Program 2006	20.00
12/10/06	ACCF -Hastings, NE (online)	ACCEL-November 2006 Issue	3.50
12/10/06	ACCF -Hastings, NE (online)	ACCEL-December 2006 Issue	3.50
12/22/06	Medscape -Hastings, NE (online)	DES Safety: Review of the FDA panel hearings	.50
12/26/06	Duke Clinical Medicine Series -Hastings, NE (online)	ACUITY Results and Implications for Interventional Cardiology	1.00
12/31/06	Annenberg Center for Health Sciences -Hastings, NE (online)	Innovations in Optimizing Antiplatelet Therapy: Highlights	.75

### Category II:

#### **A. CME Activities with Non-Accredited Sponsorship**

#### **B. Medical Teaching:**

<u>Date</u>	<u>Institution/Location</u>	<u>Subject</u>	<u>Hours</u>
3/25/06	Mary Lanning Memorial Hospital -Hastings, NE	Clinical Updates	.75

#### **Self Instruction:**

<b>Date: 01/01-12/31/06</b>	Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.	<b>Hours: 20.00+</b>
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#### **Patient Care Review:**

<b>Date: 01/01-12/31/06</b>	Peer review, case conferences, service on hospital medical staff committee	<b>Hours: 20.00+</b>
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#### **Consultation with Peers:**

## Curriculum Vitae

**Date:** 01/01-12/31/06

**Hours:** 20.00+

<b>Total Category I:</b>	<b>288.25</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>348.25</b>

# Curriculum Vitae

## Continuing Medical Education-2005

### Category I:

<u>Date</u>	<u>Sponsor/Co-Sponsor</u> <u>Location</u>	<u>Program Title or</u> <u>Description of Content</u>	<u>Hours</u>
1/13/05	NHI & LMEP -Lincoln, NE	Coding and Billing for Patient Care	2.00
1/15/05	University of Cincinnati -Hastings, NE	On-line-CARDS	1.00
3/2/05	University of Cincinnati -Hastings, NE	Online-SCD-HeFT: Everything you need to know for your practice	1.00
3/6-9/05	ACC -Orlando, FL	54 <sup>th</sup> Annual Scientific Session	27.5
3/11/05	University of Cincinnati	Online- Spotlight on DES: Taxus V and REALITY- rationale, results, and implications	1.00
3/11/05	University of Cincinnati	Online-Clarify and Commit: Advancing knowledge for the benefit of the STEMI patient	1.00
3/13/05	Duke School of Medicine Education -Hastings, NE	Rotoblator: The Solid Evidence and the Clinical Experience	1.00
3/14/05	Duke School of Medicine Education -Hastings, NE	Should PCI Be Delayed to Pre-Treat with Clopidogrel?	1.00
3/19/05	Duke School of Medicine Education -Hastings, NE	Renal Artery Revascularization: Strategies to Optimize Outcomes	1.00
3/28/05	Duke School of Medicine Education -Hastings, NE	Intervention in the Post-Bypass Patient	1.00
4/8,15/05	Nebraska Heart Institute -Lincoln, NE	Cardiac Catheterization Conference	2.00
4/2/5	Duke School of Medicine Education -Hastings, NE	Should we Measure FFR, Flow Reserve, or Just Stent It?	1.00
4/2/5	Duke School of Medicine Education -Hastings, NE	Time-to-Treatment and Other Controversies in STEMI	1.00
4/3/5	Duke School of Medicine Education -Hastings, NE	Constrictive Pericarditis: A New Look at an Old Disease	1.00
4/7/5	Duke School of Medicine Education -Hastings, NE	Unprotected Left Main Lesion: CABG or PCI	1.00
4/10/05	Duke School of Medicine Education -Hastings, NE	Integrating Medical and Mechanical Approaches to STEMI	1.00
4/10/05	Duke School of Medicine Education -Hastings, NE	Left Atrial Appendage	1.00
4/16/05	University of Cincinnati -Hastings, NE	The use of GP IIb-IIIa inhibitors throughout the risk spectrum	1.00
5/26/05	University of Cincinnati -Hastings, NE	Rethinking the scope of antiplatelet therapy in ACS	1.00
5/30/05	University of Cincinnati -Hastings, NE	Vascular Inflammation in Acute Coronary Syndromes and PCI: Modulation by Adjunctive Pharmacotherapy	1.00
6/6/05	Duke School of Medicine Education -Hastings, NE	Contrast Nephropathy	1.00
6/15-17/05	The Mount Sinai School of Medicine New York, NY	Live Symposium of Complex Coronary & Vascular Cases VIII	15.25
7/23/05	Duke School of Medicine Education -Hastings, NE	Cardiac Complications of Percutaneous Coronary Intervention	1.00
7/23/05	Duke School of Medicine Education -Hastings, NE	Cardiogenic Shock	1.00
7/23/05	Duke School of Medicine Education -Hastings, NE	Multivessel Therapy in Diabetic Patients in the Drug Eluting Stent Era	1.00
8/2/05	Duke School of Medicine Education	X-Ray Contrast Agents: What Interventional	1.00



## Curriculum Vitae

7/15/05	-Hastings, NE Nebraska Heart Institute -Lincoln, NE	Cardiologists Need to Know Cardiac Catheterization Conference	1.00
08/15/05	Duke School of Medicine Education -Hastings, NE	How to Manage Drug Eluting Stent In-Stent Restenosis	1.00
08/16/05	Duke School of Medicine Education -Hastings, NE	Vascular Inflammation: Pathobiology and Serum Markers of ACS	1.00
05/20/05	Duke School of Medicine Education -Hastings, NE	Heart Failure at the crossroads: When medical therapy alone is not enough	1.00
8/19/05	Nebraska Heart Institute -Lincoln, NE	Cardiac Catheterization Conference	1.00
8/01/05	University of Cincinnati -Hastings, NE	A Closer Look at the Unmet Needs in Antiplatelet Therapy	1.00
9/9,16/05	Nebraska Heart Institute -Lincoln, NE	Cardiac Catheterization Conference	2.00
9/13,14/05	Medical Media Communications -Birmingham, AL	Partnerships in Peripheral Vascular Disease: Peripheral Preceptorship Program 2005	20.00
9/26/05	Duke School of Medicine Education -Hastings, NE	Duke Clinical Medicine Series Direct Thrombin Inhibition in PCI	1.00
9/27-30/05	Medical Media Communications -Las Vegas, NV	VIVA: Vascular InterVentional Advances-The National Education Course for Peripheral Vascular Interventions	24.00
10/2/05	Duke School of Medicine Education -Hastings, NE	Magnetic Assisted Intervention: A first foray into cath lab Robotics	1.00
10/2/05	Duke School of Medicine Education -Hastings, NE	PCI Without On-Site Surgery: The issues and the Data	1.00
10/9/05	Duke School of Medicine Education -Hastings, NE	Preventing Myocardial Infarctions Using Prophylactic DES	1.00
10/9/05	Duke School of Medicine Education -Hastings, NE	Assent 4-How It should Affect Your Practice	1.00
10/16-21/05	Cardiovascular Research Foundation -New York, NY	TCT 2005	40.00
11/04/05	Elsevier -Hastings, NE	Highlights from the 2005 American College of Cardiology Annual Meeting	1.50
11/11/05	Elsevier -Hastings, NE	Direct Thrombin Inhibitors in Percutaneous Coronary Intervention: Focus on Bivalirudin	2.00
11/27/05	Duke School of Medicine -Hastings, NE	Optimal Timing of an Invasive Strategy for ACS	1.00
11/27/05	Duke School of Medicine -Hastings, NE	The Usefulness of Registries to the Field of Interventional Cardiology	1.00
12/01/05	University of Cincinnati -Hastings, NE	Focus on: Improving outcomes in ACS patients: Combined Antiplatelet therapy	1.00
12/04/05	Duke School of Medicine -Hastings, NE	The STEEPLE Trial: Enoxaparin in PCI	1.00
12/04/05	Duke School of Medicine -Hastings, NE	Carotid Stenting and Beyond	1.00
12/7/05	The American Journal of Cardiology -Hastings, NE	Antithrombotic Therapy in Cardiovascular Patient	4.00
12/08/05	Duke School of Medicine -Hastings, NE	Coronary Stenting: Upsides and Downsides	1.00
12/09/05	Duke School of Medicine -Hastings, NE	Percutaneous Balloon Valvuloplasty	1.00
12/10/05	Duke School of Medicine -Hastings, NE	In-hospital Care of STEMI	1.00
12/23/05	Nebraska Heart Institute -Lincoln, NE	Medical Staff Imaging Conference	1.00
12/26/05	Duke School of Medicine -Hastings, NE	Primary PCI for STEMI in Patients with Multivessel Disease: How to Manage the Non-IRA Stenosis	1.00

### A. CME Activities with Non-Accredited Sponsorship

## Curriculum Vitae

**B. Non-Supervised CME:**

<u>Date</u>	<u>Sponsor</u>	<u>Type of Material/Activity Title</u>	<u>Hours</u>
<i><b>Self Instruction:</b></i>			
<b>Date: 01/01-12/31/05</b>		Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.	<b>Hours: 20.00+</b>
<i><b>Patient Care Review:</b></i>			
<b>Date: 01/01-12/31/05</b>		Peer review, case conferences, service on hospital medical staff committee	<b>Hours: 20.00+</b>
<i><b>Consultation with Peers:</b></i>			
<b>Date: 01/01-12/31/05</b>			<b>Hours: 20.00+</b>
<b>Total Category I:</b>		<b>183.25</b>	
<b>Total Category II:</b>		<b>60.00</b>	
<b>Total CME's:</b>		<b>243.25</b>	

# Curriculum Vitae

## Continuing Medical Education-2004

### Category I:

<u>Date</u>	<u>Sponsor/Co-Sponsor Location</u>	<u>Program Title or Description of Content</u>	<u>Hours</u>
3/6/2004	University of Cincinnati -New Orleans, LA	Weighing the Evidence Antiplatelet Therapy in PCI	2.50
3/7-3/10/2004	American College of Cardiology -New Orleans, LA	53 <sup>rd</sup> Annual Scientific Session	22.33
3/9/04	Duke School of Medicine -New Orleans, LA	Staying the Course: Evidence-based Management of ACS	1.00
03/26/2004	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	1.00
04/2, 9/2004	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	2.00
4/13-16/2004	New Orleans Marriott -New Orleans, LA	Peripheral Angioplasty and All That Jazz	25.50
05/14, 21/2004	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	2.00
6/16-6/18/04	The Mount Sinai School of Medicine	A Live Symposium of Complex Coronary & Vascular Cases VII	19.00
06/23/2004	Mary Lanning Memorial Hospital -Hastings, NE	ACLS Experienced Provider Course	6.00
07/02/04	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	1.00
7/5/04	University of Cincinnati -Online/Hastings, NE	Hypertensive Patient in High Risk for Congestive Heart Failure	1.00
07/18/04	University of Cincinnati College of Medicine -Hastings, NE	Clinical Implications from the COMPANION Trial What does this mean to my practice? "Online"	1.00
07/18/04	University of Cincinnati College of Medicine -Hastings, NE	Take the Lead in the Management of AF: From Clinical Trials to Clinical Practice "Online"	2.50
7/25/04	The Postgraduate Institute for Medicine -Hastings, NE	Lp-PLA2 as an Emerging Biomarker in Cardiovascular Risk Assessment	2.00
06//04	University of Cincinnati College of Medicine -Hastings, NE	How low can you go? Or, is lower better?	1.00
08/20/04	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	1.00
9/2004	On-line Enduring Material -Hastings, NE	COMET: What is the Relevance to Clinical Practice?	1.00
10/15/04	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	1.00
11/4-5/05	Cine-Med -Lincoln, NE	Interventional Strategies and Therapies for Peripheral Vascular Disease	16.00
11/7-10/04	American Heart Association -New Orleans, LA	Scientific Sessions 2004	37.00
11/12/04	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	1.00
11/27/04	The INNOVIA Education Institute -Lincoln, NE	The TENACITY Trial: Re-evaluating the Benefits of GP IIb/IIIa Inhibitors in High-Risk ACS Patients Undergoing PCI	1.00
11/30/04	University of Alabama -Hastings, NE	Pharmacoinvasive Management of Acute Coronary Syndrome	3.00

## Curriculum Vitae

12/17/04	Nebraska Heart Hospital -Lincoln, NE	Clinical Cardiovascular Conference	1.00
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**Category II:**

**B. Medical Teaching:**

<u>Date</u>	<u>Institution/Location</u>	<u>Subject</u>	<u>Hours</u>
10/5/04	YMCA -Hastings, NE	AHA Walk CEO Breakfast	1.00

**D. Non-Supervised CME:**

<u>Date</u>	<u>Sponsor</u>	<u>Type of Material/Activity Title</u>	<u>Hours</u>
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**Self Instruction:**

<b>Date:</b>	Reading current medical journals, listening to audio tapes (American College of Cardiology Extended Learning tapes), watching medical educational television broadcasts.	<b>Hours: 20.00</b>
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**Patient Care Review:**

<b>Date:</b>	Peer review, case conferences, service on hospital medical staff committee	<b>Hours: 20.00</b>
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<b>Total Category I:</b>	<b>148.83</b>
<b>Total Category II:</b>	<b>60.00</b>
<b>Total CME's:</b>	<b>208.83</b>