

**Alexander T. Harrison**  
1510 E. Main St., Ste 101  
Santa Maria, CA 93454  
(805)928-0610

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### **Education**

- University of California, Irvine, Cardiology Fellowship Training 7/06 – 6/09
- Scripps Mercy Hospital, San Diego, Internal Medicine Training 6/03 – 6/06
- University of California, San Diego, M.D. June, 2003
- University of California, San Diego, Revelle College, B.S., June, 1999

### **Honors/Awards**

- Board Certified in Cardiovascular Disease, 2009.
- Board Certified in Nuclear Cardiology, 2008.
- Travel Grant Award winner to the American Society of Nuclear Cardiology (ASNC) national meeting, 2007.
- Board Certified in Internal Medicine, 2006.
- Scripps Mercy Hospital Geller Award for best original research, June 2006
- Scripps Mercy Hospital Geller Award for best original research, June 2005
- Scripps Mercy Hospital Geller Award for best case report, June 2005
- Scripps Mercy Hospital Geller Award for best comprehensive review and research, June 2004
- NIH Research Grant, June 2000
- Phi Beta Kappa: Inducted into the University of California at San Diego chapter in 1999
- Departmental Honors in Chemistry/Biochemistry (requires a 3.7 major GPA and a year of research with a thesis paper and presentation), June 1999
- Area of Focus (Minor) in Spanish Literature, June 1999
- National Dean's List: Honored in both 1998 and 1999
- XJean Dreyfus Boissevain Undergraduate Scholarship for Excellence in Chemistry: A Research Fellowship 1997 – 1998
- Golden Key National Honor Society: January, 1998

### **Research Experience**

- Numerous research projects at the University of California, Irvine, Cardiology division, 2006 – 2009
- Primary site investigator at Scripps Mercy Hospital for the multiple center ARTIST trial assessing the clinical impact of aspirin resistance testing in ACS, 2004 – 2006
- Clinical Research in BNP and CHF with Dr. Alan Maisel, Director, Coronary Care Unit, Veterans Hospital, San Diego, CA, 2000-2003
- Dr. Theodorakis Research Group: Organic chemistry natural product total synthesis research, 1997-1998

### **Activities**

- Nominated and elected Chief Cardiology Fellow 2008 – 2009.
- Nominated and elected president of the Scripps Mercy Hospital Resident Advisory Committee, 2005 – 2006
- Elected peer representative serving on the Scripps Mercy Hospital Resident Advisory Committee, 2003 – 2006
- Member of the Scripps Mercy Hospital physician computer records committee, 2003 – 2006
- Member of Scripps Mercy Hospital IRB committee, 2004 – 2006.
- UCSD Medical School Representative at the Western Medical School Research Forum, February, 2001
- UCSD Free Clinic: volunteered and served as an administrator 1999-2001
- Doctors Ought to Care: educated elementary school children about the harmful effects of tobacco, 1999-2001

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**Journals:**

1. Seto A, Abdu-Fadel M, Sparling J, Zacharias S, Daly T, Harrison A, Suh W, Vera J, Aston C, Winters R, Patel P, Hennebry T, Kern M. Real-Time Ultrasound Guidance Facilitates Femoral Arterial Access and Reduces Vascular Complications FAUST (Femoral Artery Access with Ultrasound Trial). *Journal of the American College of Cardiology Interventions*; 2010;3;751-758.
2. Harrison A, Abolhoda A, Ahsan C. Cardiovascular Complications in Behçet Syndrome: Acute Myocardial Infarction with Late Stent Thrombosis and Coronary, Ventricular, and Femoral Pseudoaneurysms. *Texas Heart Institute Journal*; 2009, Volume 36, Number 5, 498-500.
3. Harrison A, Kern M. Acute Myocardial Infarction with Subsequent Stent Thrombosis and Coronary, Ventricular, and Femoral Pseudoaneurysms in Behçet's Disease. *Journal of Investigative Medicine*; January 2009, Volume 57, Number 1.
4. Nounou M, Harrison A, Kern M. A novel technique using a steerable guide catheter to successfully deliver an Amplatzer septal occluder to close an atrial septal defect. *Catheterization and Cardiovascular Interventions*; December 2008, Volume 72, Issue 7, Pages 994-997.
5. Harrison A, Wahidi G, Kern M. Cerebral vascular accident following a pulmonary embolism: Search for the hidden patent foramen ovale. *Cath Lab Digest*; October 2007, 15:10, 14-16.
6. Peacock F, Harrison A, Maisel A. Utility of heart sounds and systolic time intervals across the care continuum. *Congestive Heart Failure*; July/August 2006, 12:4:1, 2-7.
7. Peacock F, Harrison A, Maisel A. Clinical and economic benefits of using AUDICOR S3 detection for diagnosis and treatment of acute decompensated heart failure. *Congestive Heart Failure*; July/August 2006, 12:4:1, 32-36.
8. Harrison A. The spectrum and utility of rapid b-type natriuretic peptide (BNP) testing in the outpatient setting. *Patient Care*; August 1, 2005.
9. Harrison A, Amundson A. Evaluation and management of the acutely dyspneic patient: the role of biomarkers. *American Journal of Emergency Medicine*; 23(3):371-378,2005.
10. Harrison A, Bhalla V, Gardetto N, Maisel A. Evolving use of b-type natriuretic peptide in clinical practice. Letter to the Editor. *Clinical Chemistry*; 50(9),2004.
11. Harrison A, Kirchick H, Mader S, Goldsmith B. An analysis of cardiovascular biomarkers: biomarker analysis plays an integral and crucial role in modern medicine. *Advance for Administrators of the Laboratory*;13(7),2004.
12. Wu A, Harrison A, Maisel A. Reduced readmission rate for alternating diagnoses of heart failure and pulmonary disease after implementation of b-type natriuretic peptide testing. *European Journal of Heart Failure*; 6(3):309-312,2004.
13. Harrison A, Morrison L, Krishnaswamy P, Kazanegra R, Clopton P, Dao Q, Hlavin P, Maisel A. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea. *Annals of Emergency Medicine*; 39(2):2002.
14. Morrison L, Harrison A, Krishnaswamy P, Kazanegra R, Clopton P, Maisel A. Utility of a rapid b-natriuretic peptide assay in differentiating congestive heart failure from lung disease in patients presenting with dyspnea. *Journal of the American College of Cardiology*;39(2):2002.
15. Dao Q, Krishnaswamy P, Kazanegra R, Harrison A, Amirnovin R, Lenert L, Clopton P, Alberto J, Hlavin P, Maisel A. Utility of b-type natriuretic peptide in the diagnosis of congestive heart failure in an urgent-care setting. *Journal of the American College of Cardiology*;37(2):2001.

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**Abstracts:**

1. Arnold Seto, William Suh, Alex Harrison, Pranav Patel, Morton Kern. Superiority of real-time ultrasound in femoral vascular access: a prospective pilot study. Accepted abstract, joint ACC/SCAI Scientific Sessions, March 2008.
2. Daniels L, Peacock F, Harrison A, Nowak R, Wu A, Kirk D, Clopton P, Maisel A. Characteristics of Aspirin Non-Responders: Results from the Aspirin Resistance Testing and Initial Strategies for Treatment (ARTIST) Multicenter Trial. American Heart Association, 2007.
3. Daniels L, Peacock F, Harrison A, Nowak R, Wu A, Kirk D, Clopton P, Maisel A. Increased Prevalence of Aspirin Non-Responsiveness in Heart Failure Patients: Results from the Aspirin Resistance Testing and Initial Strategies for Treatment (ARTIST) Multicenter Trial. American Heart Association, 2007.
4. Daniels L, Isakson S, Beede J, Penny W, Nowak R, Moyer M, Peacock F, Moffa D, Harrison A, Wu A, Kirk D, Diercks D, Maisel A. Increased Prevalence of Aspirin Resistance in Heart Failure Patients: Preliminary Results from the ARTIST Trial. American Heart Association, 2006.
5. Daniels L, Isakson S, Beede J, Penny W, Nowak R, Moyer M, Peacock F, Moffa D, Harrison A, Wu A, Kirk D, Diercks D, Maisel A. Increased Prevalence of Aspirin Resistance in Heart Failure Patients: Preliminary Results from the ARTIST Trial. Heart Failure Society of America, 2006.
6. Nowak R, Moyer M, Moffa D, Harrison A, Wu A, Isakson S, Maisel A, Peacock F for the ARTIST Multicenter Trial Investigators. Methodology of the ARTIST (Aspirin Resistance Testing and Initial Strategies for Treatment trial: A multicenter randomized study of strategies to overcome platelet aspirin resistance in suspected acute coronary syndromes. Society for Academic Emergency Medicine, 2006.
7. Harrison A, Maisel A. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea. *Circulation Journal of the American Heart Association*;104:17(#3217),2001.
8. Harrison A, Maisel A. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea. *Journal of the American College of Cardiology*, February 2001 Supplement.
9. Harrison A, Maisel A. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea. *The Journal of Investigative Medicine*, 2001 Edition.
10. Harrison A. The Crystal Ball of Research. *Western Student Medical Research Committee Spring 2001 Newsletter*, January 2001, 41<sup>st</sup> Ed.

**Presentations:**

1. Acute Myocardial Infarction with Subsequent Stent Thrombosis and Coronary, Ventricular, and Femoral Pseudoaneurysms in Behcet's Disease, oral presentation at the Western Regional Medical Meeting, Carmel, CA, January 2009.
2. Renal ultrasound in the evaluation of renal artery stenosis, oral presentation at the Geller Research Forum, San Diego, CA, May 2006.
2. Aspirin Resistance Testing and Initial Strategies for Treatment (ARTIST) Trial, Harrison A, oral presentation at the Geller Research Forum, San Diego, CA, May 2005.
3. Case report: Probable metformin induced fatal lactic acidosis, Harrison A, oral presentation at the Geller Research Forum, San Diego, CA, May 2005.
4. Evaluation and management of the acutely dyspneic patient: the role of biomarkers, Harrison A, oral presentation at the Geller Research Forum, San Diego, CA, May 2004.
4. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea, Harrison A, oral presentation at the American

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- Heart Association, Anaheim, CA, November 2001.
5. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea, Harrison A, oral presentation at the American College of Cardiology, Orlando, FL, March 2001.
  6. B-type natriuretic peptide predicts future cardiac events in patients presenting to the emergency department with dyspnea, Harrison A, oral presentation at the Western Student Medical Research Forum, Carmel, CA, February 2001.