

Juan J. Rivera, MD

CURRICULUM VITAE

General Information

Name: Juan J. Rivera, M.D., M.H.S.

Mailing address: P.O. BOX 402459, Miami Beach, FL 33140

Job Experience / Academic Affiliations

05/2012- Juan J. Rivera M.D., P.A

4308 Alton Road Suite #715

Miami Beach, FL 33140

Tel (305)-604-1922 / Fax (305)-604-1925

5/2012- Director of Cardiovascular Prevention Mount Sinai Hospital

Miami Beach, FL.

7/2009- 4/2012 South Beach Preventive Cardiology.

8/2009- Assistant Professor of Medicine, Division of Cardiovascular Diseases,
Johns Hopkins University, Baltimore, MD.

08/2009- Assistant Professor of Medicine, Division of Cardiovascular Diseases,
University of Miami, Miami, FL.

8/2012- Assistant Professor of Medicine, Division of Cardiovascular Diseases,
Columbia University, New York, NY.

Education and Honors

8/1994 - 6/1998 University of Puerto Rico, Rio Piedras, PR. BS in General Science.

Magna Cum Laude. Dean's List all semesters.

8/1998 - 6/2002 University of Puerto Rico School of Medicine.

Magna Cum Laude.

7/2002 - 6/2005 University of Texas Southwestern Medical Center. Internal Medicine
internship and residency.

7/2005 - 6/2009 Johns Hopkins Hospital. Cardiovascular Disease fellowship.

9/2007 - 12/2008 Johns Hopkins Bloomberg School of Public Health. Masters in Health
Science. NIH T-32 Cardiovascular Epidemiology Training Program.

Licensure and Certification

2005- American Board of Internal Medicine certification.

2009- Florida medical license.

2010- American Board of Internal Medicine Cardiology certification.

Languages Spanish and English; fluent in both written and spoken forms.

Journal Reviewer

2008- Atherosclerosis.

2009- American Journal of Cardiology

2009- Journal of Cardiovascular Computed Tomography

2010- American Heart Journal

Editorial Boards

2006- The American Heart Hospital Journal

2006-2008 Cardiology Today

Professional Societies/Committees

2005- American Heart Association

2005- American College of Cardiology

2009- National Hispanic Cardiology Leadership Network

2009-2011 Chairman of the Prevention Council of the Society of Atherosclerosis Imaging
and Prevention

Awards

2008- Vista Magazine Hispanic Health Specialization Award – for my contribution

to the Hispanic community in the area of cardiovascular prevention.

2008- Johns Hopkins Stanley Blumenthal Clinical Research Award.

Invited Speaker

2007 Preventing heart disease in the Hispanic population using global communication technology. Congressional Hispanic Caucus, Washington, DC.

2008 Keynote speaker at the Inter-American University nursing graduation ceremony.
San Juan, PR.

2009 The ABCs of Cardiovascular Prevention. Annual meeting of the National Hispanic Nursing Association, New York Chapter.

2010 Application of imaging technology to cardiovascular prevention. Cardiology Grand Rounds at the University of Miami Miller School of Medicine.

- 2010 Using coronary calcium scoring to improve risk prediction. Cardiology Grand Rounds at Mount Sinai Hospital, Miami Beach, FL.
- 2010 Panelist at the CDC Health Communication and Media Conference, Atlanta, GA.
- 2010 Moderator for the childhood obesity panel at the Congressional Hispanic Caucus Meeting, Washington DC.

Bibliography

Original Articles

1. Graham G, Blaha M.J., Budoff M.J., **Rivera J.J.**, Agatston A., Raggi P., Shaw L.J., Berman D., Rana J.S., Callister T., Rumberger J.A., Min J., Blumenthal R.S., Nasir K. Impact of coronary artery calcification on all-cause mortality in individuals with and without hypertension. **Atherosclerosis** 2012; In Press.
2. McEvoy J.W., Blaha M.J., **Rivera J.J.**, Budoff M.J., Khan A.N., Shaw L.J., Berman D.S., Raggi P., Min J.K., Rumberger J.A., Callister T.Q., Blumenthal R.S., Nasir K. Mortality rates in smokers and nonsmokers in the presence or absence of coronary artery calcification. **JACC Cardiovasc Imaging** 2012; 5: 1037-1045.
3. Nasir K, Rubin J., Blaha M.J., Shaw L.J., Blankstein R., **Rivera J.J.**, Khan A.N., Berman D., Raggi P., Callister T., Rumberger J.A., Min J., Jones S.R., Blumenthal R.S., Budoff M.J.. Interplay of coronary artery calcification and traditional risk factors for the prediction of all-cause mortality in asymptomatic individuals. **Circ Cardiovasc Imaging** 2012; 5: 467-473.

4. Silverman M.G., Blaha M.J., Budoff MJ, **Rivera J.J.**, Raggi P., Shaw L.J., Berman D., Callister D., Rumberger J.A., Rana J.S., Blumenthal R.S., Nasir K. Potential implications of coronary artery calcium testing for guiding aspirin use among asymptomatic individuals with diabetes. **Diabetes Care** 2012; 35:624-626.
5. Ahmed H.M., Blaha M.J., Nasir K., **Rivera J.J.**, Blumenthal R.S. Effects of physical activity on cardiovascular disease. **Am J Cardiol** 2012; 109: 288-295.
6. Tison G.H., Blaha M.J., Budoff Mj, Katz R., **Rivera J.J.**, Bertoni A.G., Wong N.D., Blumenthal R.S., Szklo M, Eng J., Tracy R., Nasir K. The relationship of insulin resistance and extracoronary calcification in the multi-ethnic study of atherosclerosis. **Atherosclerosis** 2011; 218: 507-510
7. Blaha MJ, Budoff MJ, DeFillips AP, Blankstein R, **Rivera J.J.**, Agatston AS, O'Leary DH, Lima J, Blumenthal RS, Nasir K. Associations between C Reactive Protein, coronary artery calcium, and cardiovascular events: implications for the JUPITER population from MESA, a population-based cohort study. **Lancet** 2011; 378: 684-692.
8. Ahmed H.M., Blaha M.J., Nasir K, **Rivera J.J.**, Blumenthal R.S. Effects of physical activity on cardiovascular disease. **Am J Cardiol** 2011. Oct 17
9. Rubin J., Blaha MJ, **Rivera J.J.**, Shaw L.J., Blankstein R., Mallah M.A., Carr J.J., Jones D.L., Blumenthal R.S., Nasir K. The relationship between resting heart rate and incidence and progression of coronary artery calcification: The multi-ethnic study of atherosclerosis (MESA). **Atherosclerosis** 2011. June 25.
10. McEvoy J.W, Blaha MJ, Nasir K, Yoon YE, Choi EK, Cho IS, Chun EJ, Choi SI, **Rivera J.J.**, Blumenthal RS, Chang HJ. Impact of coronary computed tomographic angiography results on patient and physician behavior in a low risk population. **Arch Intern Med** 2011; 171: 1260-1268.
11. Blaha M.J., **Rivera J.J.**, Budoff M.J., Blankstein R., Agatston A.S., O'Leary D.H., Cushman M., Lakosky S., Criqui M.H., Szklo M., Blumenthal RS, Nasir K. Association between obesity, high-sensitivity C-reactive protein $\geq 2\text{mg/L}$ and subclinical atherosclerosis: Implications of JUPITER from Multi-Ethnic Study of Atherosclerosis. **Arterioscler Thromb Vasc Biol.** 2011; 31: 1430-1438.
12. Rubin J, Chang HJ, Nasir K, Blumenthal RS, Blaha M.J., Choi E.K., Chang S.A., Yoon Y.E., Chun E.J., Choi S.I., Agatston A.S., **Rivera J.J.** Association between high-sensitivity C-reactive protein and coronary plaque subtypes assessed by 64-slice coronary computed tomography angiography in an asymptomatic population. **Circ Cardiovasc Imaging.** 2011; 4: 201-209.

13. Voros S., **Rivera J.J.**, Berman D.S., Blankstein R, Budoff M.J., Cury R.C., Desai M.Y., Dey D., Halliburton S.S., Hecht H.S., Nasir K., Santos R.D., Shapiro M.D., Taylor A.J., Valeti US, Young PM, Weissman G. Guideline for minimizing radiation exposure during acquisition of coronary artery calcium scans with the use of multidetector computed tomography: A report by the Society of Atherosclerosis Imaging and Prevention. **J Cardiovasc Comput Tomogr.** 2011; 5: 75-83.
14. Tota-Maharaj R, Blaha MJ, **Rivera J.J.**, Henry T.S., Choi E.K., Chang S.A., Yoon Y.E., Chun EJ, Choi SI, Blumenthal RS, Chang HJ, Nasir K. Differences in coronary plaque composition with aging measured by coronary computed tomography angiography. **Int J Cardiol.** 2011 Feb 10.
15. Blaha MJ, DeFilippis AP, **Rivera J.J.**, Budoff MJ, Blankstein R, Agatston AS, Szklo M, Lakoski SG, Bertoni AG, Kronmal RA, Blumenthal RS, Nasir K. The relationship between insulin resistance and incidence and progression of coronary artery calcification: the Multi-Ethnic Study of Atherosclerosis. **Diabetes Care** 2011; 34: 749-751.
16. Kanjanauthai S, Nasir K, Katz R, **Rivera J.J.**, Takasu J, Blumenthal RS, Eng J, Budoff MJ. Relationships of mitral annular calcification to cardiovascular risk factors: The Multi-ethnic Study of Atherosclerosis. **Atherosclerosis** 2010; 13: 558-562.
17. Blaha M.J., Budoff M.J, **Rivera J.J.**, Khan A.N., Santos R.D., Shaw L.J., Raggi P., Berman D., Rumberger J.A., Blumenthal R.S., Nasir K. Relation of aortic valve calcium detected by cardiac computed tomography to all-cause mortality. **Am J Cardiol** 2010; 106: 1787-1791.
18. Yoon Y.E., Chang H.J., Cho I, Jeon K.H., Chun E.J., Choi S.I., Bae H.J., **Rivera J.J.**, Nasir K., Blumenthal R.S., Lim T.H. Incidence of subclinical coronary atherosclerosis in patients with suspected embolic strokes using cardiac computed tomography. **Int J Cardiovasc Imaging.** 2010 Nov 10.
19. Nasir K., **Rivera J.J.**, Yoon Y.E., Chang S.A., Choi S.I., Chun E.J., Choi D.J., Budoff M.J., Blumenthal R.S., Chang H.J. Variation in atherosclerotic plaque composition according to increasing coronary artery calcium scores on computed tomography angiography. **Int J Cardiovasc Imaging** 2010; 26: 923-932.
20. **Rivera J.J.**, Choi E.K., Yoon Y.E., Chun E.J., Choi S.I., Nasir K., Brancati F.L., Blumenthal R.S., Chang H.J.. Association between increasing levels of hemoglobin A1C and coronary atherosclerosis in asymptomatic individuals without diabetes mellitus. **Coronary Artery Disease** 2010; 21: 157-163.

21. Takasu J., Budoff M.J., Katz R., **Rivera J.J.**, O'Brien K.D., Shavelle D.M., Probstfield J.L., O'Leary D., Nasir K. Relationship between common carotid intima-media thickness and thoracic aortic calcification: The Multi-Ethnic Study of Atherosclerosis. **Atherosclerosis** 2010; 209: 142-146.
22. Cho I., Min H.S., Chun E.J., Park S.K., Choi Y., Blumenthal R.S., **Rivera J.J.**, Nasir K., Kim Y.J., Sohn, D.W., Oh B.H., Park Y.B., Chang H.J. Coronary atherosclerosis detected by coronary CT angiography in asymptomatic subjects with early chronic kidney disease. **Atherosclerosis** 2010; 208: 206-211.
23. Blaha M., Budoff M.J., **Rivera J.J.**, Katz R., O'Leary D., Polak J., Takasu J., Blumenthal R.S., Nasir K. Relationship of carotid distensibility and thoracic aorta calcification: Multi-ethnic Study of Atherosclerosis (MESA). **Hypertension** 2009. Oct 5.
24. Choi E.K., Chun E.J., Choi S.I., Chang S.A., Choi S.H., Lim S., **Rivera J.J.**, Nasir K., Blumenthal R.S., Jang H.C., Chang H.J. Assessment of subclinical coronary atherosclerosis in asymptomatic patients with type 2 diabetes with single photon emission computed tomography and coronary computed tomography angiography. **Am J Cardiol** 2009; 104: 890-896.
25. Blaha, M., **Rivera J.J.**, Choi E.K., Choi S.I., Chang S.A., Chun E.J., Kim H.K., Choi D.J., Blumenthal R.S., Nasir K., Chang H.J. Gender differences in coronary plaque composition by coronary computed tomography angiography. **Coron Artery Dis** 2009; 20: 506-512.
26. **Rivera J.J.**, Nasir K, Cox PR, Choi EK, Choi SI, Chang SA, Chung EJ, Kim HK, Choi DJ, Blumenthal RS, Chang HJ. Association of traditional cardiovascular risk factors with coronary plaque sub-types assessed by 64-slice computed tomography angiography in a large cohort of asymptomatic subjects. Accepted for publication in **Atherosclerosis** 2009; 206: 451-457.

27. **Rivera J.J.**, Nasir K, Katz R, Takasu J, Allison M, Wong ND, Barr GR, Carr JJ, Blumenthal RS, Budoff MJ. Relationship of thoracic aorta calcification with coronary artery calcium progression: The Multi-Ethnic Study of Atherosclerosis (MESA). **American Journal of Cardiology** 2009; 103: 1562-1567.
28. Yoon YE, **Rivera J.J.** (first co-author), Kwon DA, Chang HJ, Chae IH, Jeong MH, Rha SW, Blumenthal RS, Nasir K: other Korea Acute Myocardial Infarction Registry Investigators. National Cholesterol Education Panel III guidelines performance role in preventing myocardial infarction in a large cohort without history of coronary artery disease: Korea Acute Myocardial Infarction Registry Study. **Preventive Cardiology** 2009; 12: 1-8.
29. **Rivera J.J.**, Nasir K, Choi EK, Yoon YE, Chun EJ, Choi SI, Choi DJ, Brancati FL, Blumenthal RS, Chang HJ. Detection of occult coronary artery disease in asymptomatic individuals with diabetes mellitus using non-invasive cardiac angiography. **Atherosclerosis** 2009; 203: 442-448.
30. Choi EK, Choi SI, **Rivera J.J.**, Nasir K, Chang SA, Chun EJ, Kim HK, Choi DJ, Blumenthal RS, Chang, HJ. Coronary CT angiography as a screening tool for the detection of occult coronary artery disease in asymptomatic individuals. **J Am Coll Cardiol** 2008; 52: 357-365.
31. Nasir K, Santos RD, Tufail K, **Rivera J.J.**, Carvalho JA, Meneghello R, Brady TD, Blumenthal RS. High-normal fasting blood glucose in non-diabetic range is associated

with increased coronary artery calcium burden in asymptomatic men. **Atherosclerosis** 2007; 195: e 155-160.

32. **Rivera J.J.**, Nasir K, Blumenthal RS, Santos RD. Relation of plasma lipoprotein levels with low grade inflammation in white men without clinical evidence of myocardial ischemia. **Am J Cardiol** 2007; 100: 450-454.
33. **Rivera J.J.**, Hillis LD, Levine B. Reactivation of cardiac Chagas' Disease in Acquired Immune Deficiency Syndrome. **Am J Cardiol** 2004; 94: 1102-1103.

Review Articles and Editorials

1. Rubin J, Nasir K, Agatston AS, Blumenthal RS, **Rivera J.J.** Coronary calcium score and outcomes. **Curr Cardiovasc Imaging Rep** (2010) 3:342–349.
2. **Rivera J.J.**, Agatston AS. Coronary calcium scoring at 100 KVp: a new twist to a familiar test.
J Cardiovasc Comput Tomogr 2009; 3: 401-402.
3. Nasir K., **Rivera J.J.**, Chang HJ, Budoff MJ, Blumenthal RS. Calcified versus Non-calcified Atherosclerosis: Implications for Evaluating Cardiovascular Risk. **Current Cardiovascular Risk Report** 2009; 3: 150-155.
4. **Rivera J.J.**, Blumenthal RS. Cardiovascular prevention in high-risk patients: evaluating current evidence to improve outcomes in managed care. **Manage Care First Report** / Princeton CME. Supplement June 2008.

5. Hamirani YS, Pandey S, **Rivera J.J.**, Ndumele C, Budoff MJ, Blumenthal RS, Nasir K. Markers of inflammation & coronary artery calcification: a systematic review. **Atherosclerosis** 2008; May 13.
6. Campbell KY, **Rivera J.J.**, Blumenthal RS. Residual cardiovascular risk after statin use. **Curr Cardiol Rep** 2007; 9: 499-505.
7. **Rivera J.J.**, Blumenthal RS, Ashen D. Low-density lipoprotein cholesterol in high-risk asymptomatic individuals. **Journal of the Cardiometabolic Syndrome** 2007; 2: 49-52.
8. **Rivera J.J.** Fighting cardiovascular disease. **Am Heart Hosp J** 2007 Spring; 5: 125-126.
9. Thompson J, **Rivera J.J.**, Blumenthal RS, Danyi P. Primary prevention for patients with intermediate Framingham risk scores. **Curr Cardiol Rep** 2006; 8: 261-266.
10. **Rivera J.J.** Federal funding for embryonic stem cell research: are we all on board? **Intern Med J** 2005; 35: 258.

Abstracts

1. **Rivera J.J.**, Nasir K, Zhu X, Superko R, Blumenthal RS, Agatston AS. ApoB/Apo A ratio is associated with progression of carotid artery intima-media thickness in clinically asymptomatic individuals free of known CHD. American College of Cardiology Scientific Meeting 2011 (poster presentation).

2. **Rivera J.J.**, Nasir K, Zhu X, Superko R, Blumenthal RS, Agatston AS. Association between LDL and HDL Sub-fractions with subclinical atherosclerosis and inflammation. American College of Cardiology Scientific Meeting 2011 (poster presentation).
3. **Rivera J.J.**, Nasir K, Zhu X, Superko R, Blumenthal RS, Agatston AS. Carriers of the KIF6 719Arg allele have a higher Lp(a) concentration and predominantly small LDL particles despite similar traditional lipoprotein levels. American College of Cardiology Scientific Meeting 2011 (poster presentation).
4. **Rivera, J.J.**, Budoff MJ, O' Leary DH, Hoffman U, Wasserman B, Szklo M, Burke G, Blumenthal RS, Nasir K. Relationship between carotid intima media thickness and coronary artery calcium progression in the Multi-Ethnic Study of Atherosclerosis (MESA). American Heart Association Scientific Meeting 2010 (oral presentation).
5. **Rivera J.J.**, Nasir K, Choi EK , Yoon YE, Chung EJ, Blumenthal RS, Chang HJ. Elevated high-sensitive C Reactive Protein and white blood cell count are strongly associated with mixed coronary plaque burden assessed by non invasive cardiac computed tomography angiography in asymptomatic patients. American College of Cardiology Scientific Meeting 2009 (poster presentation).
6. **Rivera J.J.**, Blaha M, Choi EK, Choi SI, Chang SA, Chun EJ, Kim HK, Choi DJ, Blumenthal RS, Nasir K, Chang HJ. Gender differences in coronary plaque composition by coronary computed tomography angiography. American College of Cardiology Scientific Meeting 2009 (poster presentation).

7. Jeon K, Cho I, Yoon YE, **Rivera J.J.**, Nasir K, Choi SI, Chun EJ, Kim HK, Kim YJ, Sohn DW, Chang HJ. Defining characteristics of subjects with exclusively noncalcified plaque: the pitfall of screening strategy based on coronary arterial calcification. American College of Cardiology Scientific Meeting 2009 (poster presentation).
8. Al-Mallah MH, Nasir K, Katz R, Takasu J, Mao SS, Lima J, **Rivera J.J.**, Blumke DA, Hundley WG, Blumenthal RS, Budoff MJ. Correlation between left ventricular size by computed tomography and thoracic aortic distensibility measured by MRI: Multiethnic Study of Atherosclerosis (MESA). American College of Cardiology Scientific Meeting 2009 (poster presentation).
9. **Rivera J.J.**, Nasir K, Choi EK, Yoon YE, Chun EJ, Choi SI, Choi DJ, Blumenthal RS, Chang HJ. Increasing levels of Hgb A1C are associated with the presence of mixed coronary plaques in asymptomatic individuals without diabetes mellitus. American Heart Association Scientific Meeting 2008 (oral presentation).
10. **Rivera J.J.**, Nasir K, K, Choi EK, Yoon YE, Chun EJ, Choi SI, Choi DJ, Blumenthal RS, Chang HJ. Traditional risk factors and coronary plaque composition assessed by non-invasive CT angiography in asymptomatic individuals. American Heart Association Scientific Meeting 2008 (oral presentation).
11. **Rivera J.J.**, Nasir K, Choi EK, Yoon YE, Chun EJ, Choi SI, Choi DJ, Brancati FL, Blumenthal RS, Chang HJ. Detection of occult coronary artery disease in asymptomatic individuals with diabetes mellitus using non-invasive cardiac angiography. Johns Hopkins Department of Medicine Scientific Research Retreat (poster presentation).

12. **Rivera J.J.**, Fishman E, Nasir K, Panu H, Tong W, Lai S, Blumenthal RS. Long-term cocaine use is associated with coronary stenosis in subjects with no detectable coronary artery calcification. American Heart Association Scientific Meeting 2006 (poster presentation).
13. **Rivera J.J.**, Fishman E, Nasir K, Panu H, Tong W, Lai S, Blumenthal RS. Use of protease inhibitors and long-term cocaine use is associated with coronary stenosis in HIV-infected individuals with no detectable coronary calcium. American Heart Association Scientific Meeting 2006 (moderated poster presentation).
14. **Rivera J.J.**, Hillis LD, Levine B. Reactivation of cardiac Chagas' Disease in Acquired Immune Deficiency Syndrome. American College of Physicians Meeting 2005 (poster presentation).

Extracurricular Activities

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|-----------|---|
| 2006-2007 | Columnist for the Puerto Rican newspaper "The Star"; health topics. |
| 2006-2008 | Columnist for Cardiology Today; fellow's forum. |

- 2007-2009 Contributor for the health section of the newspaper Washington Hispanic.
- 2007-
weblog Creator and manager of Corazon Hispano – a cardiovascular prevention
For Hispanics (www.corazonhispano.blogspot.com).
- 2007-2008 Health commentator for Puerto Rican radio station Sistema 102.
- 2008 Guest speaker at the Univision New York morning show (1/8/08).
Topic: Cardiovascular Prevention.
- 2008 Guest speaker at the HITN TV show “Dialogo de Costa a Costa”;
Topic: Preventing heart disease in the Hispanic community.
- 2009- Chief Medical Correspondent for Telemundo/NBC Network.
- 2009-2011 Columnist for the New England Journal of Medicine interactive website
CardioExchange.
- 2011- Conduct a weekly health segment for the syndicated radio show “Casos y
Cosas de Collins” hosted by renowned journalist and broadcaster Maria
Antonieta Collins.
- 2012- Columnist for Voces Huffington Post.
- 2012- Contributor for NBCLatino.com
- 2013-2014 Host of Strange Medicine / Medicina Desconocida a show that

investigates the use of alternative therapies around the world. It airs on Fusion (joint ABC/Univision cable channel) and on Univision.

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Columnist for People En Español magazine