

References

1. Abdelaal, E., C. Brousseau-Provencher, S. Montminy, G. Plourde, J. MacHaalany, Y. Bataille, P. Molin, J. P. Dery, G. Barbeau, L. Roy, E. Larose, R. De Larochelliere, C. M. Nguyen, G. Proulx, O. Costerousse, O. F. Bertrand and Interventional Cardiologists at Quebec Heart-Lung Institute (2013). "Risk score, causes, and clinical impact of failure of transradial approach for percutaneous coronary interventions." *JACC Cardiovasc Interv* **6**(11): 1129-1137.
2. Ahmed, B. and H. L. Dauerman (2013). "Women, bleeding, and coronary intervention." *Circulation* **127**(5): 641-649.
3. Aragam, K. G., M. Moscucci, D. E. Smith, A. L. Riba, M. Zainea, J. L. Chambers, D. Share and H. S. Gurm (2011). "Trends and disparities in referral to cardiac rehabilitation after percutaneous coronary intervention." *Am Heart J* **161**(3): 544-551.e542.
4. Bairey Merz, C. N., L. J. Shaw, S. E. Reis, V. Bittner, S. F. Kelsey, M. Olson, B. D. Johnson, C. J. Pepine, S. Mankad, B. L. Sharaf, W. J. Rogers, G. M. Pohost, A. Lerman, A. A. Quyyumi, G. Sopko and W. Investigators (2006). "Insights from the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE) Study: Part II: gender differences in presentation, diagnosis, and outcome with regard to gender-based pathophysiology of atherosclerosis and macrovascular and microvascular coronary disease." *J Am Coll Cardiol* **47**(3 Suppl):S21-29.
5. Barrett-Connor, E. L., B. A. Cohn, D. L. Wingard and S. L. Edelstein (1991). "Why is diabetes mellitus a stronger risk factor for fatal ischemic heart disease in women than in men? The Rancho Bernardo Study." *JAMA* **265**(5): 627-631.
6. Berger, J. S., L. Elliott, D. Gallup, M. Roe, C. B. Granger, P. W. Armstrong, R. J. Simes, H. D. White, F. Van de Werf, E. J. Topol, J. S. Hochman, L. K. Newby, R. A. Harrington, R. M. Califf, R. C. Becker and P. S. Douglas (2009). "Sex differences in mortality following acute coronary syndromes." *JAMA* **302**(8): 874-882.
7. Bertrand, O. F., P. Belisle, D. Joyal, O. Costerousse, S. V. Rao, S. S. Jolly, D. Meerkin and L. Joseph (2012). "Comparison of transradial and femoral approaches for percutaneous coronary interventions: a systematic review and hierarchical Bayesian meta-analysis." *Am Heart J* **163**(4): 632-648.
8. Boutin-Foster, C. and M. E. Charlson (2007). "Do recent life events and social support explain gender differences in depressive symptoms in patients who had percutaneous transluminal coronary angioplasty?" *J Womens Health (Larchmt)* **16**(1): 114-123.
9. Budoff, M. J., S. Shokooh, R. M. Shavelle, H. T. Kim and W. J. French (2002). "Electron beam tomography and angiography: sex differences." *Am Heart J* **143**(5): 877-882.
10. Bushnell, C., L. D. McCullough, I. A. Awad, M. V. Chireau, W. N. Fedder, K. L. Furie, V. J. Howard, J. H. Lichtman, L. D. Lisabeth, I. L. Pina, M. J. Reeves, K. M. Rexrode, G. Saposnik, V. Singh, A. Towfighi, V. Vaccarino, M. R. Walters, American Heart Association Stroke Council, Council on Cardiovascular and Stroke Nursing, Council on Clinical Cardiology, Council on Epidemiology and Prevention and Council for High Blood Pressure Research (2014). "Guidelines for the prevention of stroke in women: a statement for healthcare professionals from the American Heart Association/American Stroke Association." *Stroke* **45**(5): 1545-1588.
11. Camici, P. G., G. d'Amati and O. Rimoldi (2015). "Coronary microvascular dysfunction: mechanisms and functional assessment." *Nat Rev Cardiol* **12**(1): 48-62.
12. Casey, A., B. H. Chang, J. Huddlestone, N. Virani, H. Benson and J. A. Dusek (2009). "A model for integrating a mind/body approach to cardiac rehabilitation: outcomes and correlators." *J Cardiopulm Rehabil Prev* **29**(4): 230-238; quiz 239-240.
13. Champney, K. P., P. D. Frederick, H. Bueno, S. Parashar, J. Foody, C. N. Merz, J. G. Canto, J. H. Lichtman, V. Vaccarino and NRM Investigators (2009). "The joint contribution of sex, age and type of myocardial infarction on hospital mortality following acute myocardial infarction." *Heart* **95**(11): 895-899.
14. Charchar, F. J., L. D. Bloomer, T. A. Barnes, M. J. Cowley, C. P. Nelson, Y. Wang, M. Denniff, R. Debiec, P. Christofidou, S. Nankervis, A. F. Dominiczak, A. Bani-Mustafa, A. J. Balmforth, A. S. Hall, J. Erdmann, F. Cambien, P. Deloukas, C. Hengstenberg, C. Packard, H. Schunkert, W. H. Ouwehand, I. Ford, A. H. Goodall, M. A. Jobling, N. J. Samani and M. Tomaszewski (2012). "Inheritance of coronary artery disease in men: an analysis of the role of the Y chromosome." *Lancet* **379**(9819): 915-922.
15. Chou, A. Y. and J. Saw (2014). "Basis for sex-specific expression of Takotsubo cardiomyopathy, cardiac syndrome X, and spontaneous coronary artery dissection." *Can J Cardiol* **30**(7): 738-746.
16. Daugherty, S. L., L. E. Thompson, S. Kim, S. V. Rao, S. Subherwal, T. T. Tsai, J. C. Messenger and F. A. Masoudi (2013). "Patterns of use and comparative effectiveness of bleeding avoidance strategies in men and women following percutaneous coronary interventions: an observational study from the National Cardiovascular Data Registry." *J Am Coll Cardiol* **61**(20): 2070-2078.
17. De Backer, G., E. Ambrosioni, K. Borch-Johnsen, C. Brotons, R. Cifkova, J. Dallongeville, S. Ebrahim, O. Faergeman, I. Graham, G. Mancina, V. Manger Cats, K. Orth-Gomer, J. Perk, K. Pyorala, J. L. Rodicio, S. Sans, V. Sansoy, U. Sechtem, S. Silber, T. Thomsen, D. Wood, E. Third Joint Task Force of and P. Other Societies on Cardiovascular Disease Prevention in Clinical (2003). "European guidelines on cardiovascular disease prevention in clinical practice. Third Joint Task Force of European and Other Societies on Cardiovascular Disease Prevention in Clinical Practice." *Eur Heart J* **24**(17): 1601-1610.

18. De Bruyne, B., W. F. Fearon, N. H. Pijls, E. Barbato, P. Tonino, Z. Piroth, N. Jagic, S. Mobius-Winckler, G. Rioufol, N. Witt, P. Kala, P. McCarthy, T. Engstrom, K. Oldroyd, K. Mavromatis, G. Manoharan, P. Verlee, O. Frobert, N. Curzen, J. B. Johnson, A. Limacher, E. Nuesch, P. Juni and FAME Trial Investigators (2014). "Fractional flow reserve-guided PCI for stable coronary artery disease." N Engl J Med **371**(13): 1208-1217.
19. Di Franco, A., A. Villano, A. Di Monaco, P. Lamendola, G. Russo, A. Stazi, G. Scavone, R. Nerla, A. Sestito, G. A. Lanza and F. Crea (2014). "Correlation between coronary microvascular function and angina status in patients with stable microvascular angina." Eur Rev Med Pharmacol Sci **18**(3): 374-379.
20. Diercks, D. B., K. P. Owen, M. C. Kontos, A. Blomkalns, A. Y. Chen, C. Miller, S. Wiviott and E. D. Peterson (2010). "Gender differences in time to presentation for myocardial infarction before and after a national women's cardiovascular awareness campaign: a temporal analysis from the Can Rapid Risk Stratification of Unstable Angina Patients Suppress ADverse Outcomes with Early Implementation (CRUSADE) and the National Cardiovascular Data Registry Acute Coronary Treatment and Intervention Outcomes Network-Get with the Guidelines (NCDR ACTION Registry-GWTG)." Am Heart J **160**(1): 80-87 e83.
21. Ding, E. L., N. R. Powe, J. E. Manson, N. S. Sherber and J. B. Braunstein (2007). "Sex differences in perceived risks, distrust, and willingness to participate in clinical trials: a randomized study of cardiovascular prevention trials." Arch Intern Med **167**(9): 905-912.
22. Donahue, R. P., K. Rejman, L. B. Rafalson, J. Dmochowski, S. Stranges and M. Trevisan (2007). "Sex differences in endothelial function markers before conversion to pre-diabetes: does the clock start ticking earlier among women? The Western New York Study." Diabetes Care **30**(2): 354-359.
23. Donataccio, M. P., E. Puymirat, B. Parapid, P. G. Steg, H. Eltchaninoff, S. Weber, E. Ferrari, D. Vilarem, S. Charpentier, S. Manzo-Silberman, J. Ferrieres, N. Danchin and T. Simon (2015). "In-hospital outcomes and long-term mortality according to sex and management strategy in acute myocardial infarction. Insights from the French ST-elevation and non-ST-elevation Myocardial Infarction (FAST-MI) 2005 Registry." Int J Cardiol **201**: 265-270.
24. Douglas, P. S. and G. S. Ginsburg (1996). "The evaluation of chest pain in women." N Engl J Med **334**(20): 1311-1315.
25. Elhendy, A., R. T. van Domburg, J. J. Bax and J. R. Roelandt (1999). "Gender differences in the relation between ST-T-wave abnormalities at baseline electrocardiogram and stress myocardial perfusion abnormalities in patients with suspected coronary artery disease." Am J Cardiol **84**(8): 865-869.
26. Elias-Smale, S. E., A. Gunal and A. H. Maas (2015). "Gynecardiology: Distinct patterns of ischemic heart disease in middle-aged women." Maturitas **81**(3): 348-352.
27. Eskerud, I., E. Gerds, J. E. Nordrehaug and M. T. Lonnebakken (2015). "Global Coronary Artery Plaque Area is Associated with Myocardial Hypoperfusion in Women with Non-ST Elevation Myocardial Infarction." J Womens Health (Larchmt) **24**(5): 367-373.
28. Ferreira, R. G., A. Worthington, C. C. Huang, S. F. Aranki and J. D. Muehlschlegel (2015). "Sex differences in the prevalence of diastolic dysfunction in cardiac surgical patients." J Card Surg **30**(3): 238-245.
29. Flammer, A. J., T. Anderson, D. S. Celermajer, M. A. Creager, J. Deanfield, P. Ganz, N. M. Hamburg, T. F. Luscher, M. Shechter, S. Taddei, J. A. Vita and A. Lerman (2012). "The assessment of endothelial function: from research into clinical practice." Circulation **126**(6): 753-767.
30. Ford, E. S. and S. Capewell (2007). "Coronary heart disease mortality among young adults in the U.S. from 1980 through 2002: concealed leveling of mortality rates." J Am Coll Cardiol **50**(22): 2128-2132.
31. Galvao, M., J. Kalman, T. DeMarco, G. C. Fonarow, C. Galvin, J. K. Ghali and R. M. Moskowitz (2006). "Gender differences in in-hospital management and outcomes in patients with decompensated heart failure: analysis from the Acute Decompensated Heart Failure National Registry (ADHERE)." J Card Fail **12**(2): 100-107.
32. Gehrie, E. R., H. R. Reynolds, A. Y. Chen, B. H. Neelon, M. T. Roe, W. B. Gibler, E. M. Ohman, L. K. Newby, E. D. Peterson and J. S. Hochman (2009). "Characterization and outcomes of women and men with non-ST-segment elevation myocardial infarction and nonobstructive coronary artery disease: results from the Can Rapid Risk Stratification of Unstable Angina Patients Suppress Adverse Outcomes with Early Implementation of the ACC/AHA Guidelines (CRUSADE) quality improvement initiative." Am Heart J **158**(4): 688-694.
33. Gianturco, L., B. D. Bodini, F. Atzeni, C. Colombo, D. Stella, P. Sarzi-Puttini, L. Drago, S. Galaverna and M. Turiel (2015). "Cardiovascular and autoimmune diseases in females: The role of microvasculature and dysfunctional endothelium." Atherosclerosis **241**(1): 259-263.
34. Gloria-Bottini, F., M. Banci, P. Saccucci, N. Lucarini, F. Ianniello, G. Paradisi, A. Magrini and E. Bottini (2009). "Coronary artery disease: a study on the joint role of birth weight, adenosine deaminase, and gender." Cardiol Res Pract **2009**: 860328.
35. Gulati, M., H. R. Black, L. J. Shaw, M. F. Arnsdorf, C. N. Merz, M. S. Lauer, T. H. Marwick, D. K. Pandey, R. H. Wicklund and R. A. Thisted (2005). "The prognostic value of a nomogram for exercise capacity in women." N Engl J Med **353**(5): 468-475.

36. Gulati, M. and C. N. Merz (2015). "New cholesterol guidelines and primary prevention in women." Trends Cardiovasc Med **25**(2): 84-94.
37. Hahmann, H. W., D. Schatzer-Klotz, T. Bunte, D. Becker and H. J. Schieffer (1999). "The significance of high levels of lipoprotein (a) compared with established risk factors in premature coronary artery disease: differences between men and women." Atherosclerosis **144**(1): 221-228.
38. Han, S. H., J. H. Bae, D. R. Holmes, Jr., R. J. Lennon, E. Eeckhout, G. W. Barsness, C. S. Rihal and A. Lerman (2008). "Sex differences in atheroma burden and endothelial function in patients with early coronary atherosclerosis." Eur Heart J **29**(11): 1359-1369.
39. Hansen, K. W., C. Kaiser, A. Hvelplund, R. Soerensen, J. K. Madsen, J. S. Jensen, S. H. Pedersen, F. R. Eberli, P. Erne, H. Alber, M. Pfisterer and S. Galatius (2013). "Improved two-year outcomes after drug-eluting versus bare-metal stent implantation in women and men with large coronary arteries: importance of vessel size." Int J Cardiol **169**(1): 29-34.
40. Hayes, S. N. (2014). "Spontaneous coronary artery dissection (SCAD): new insights into this not-so-rare condition." Tex Heart Inst J **41**(3): 295-298.
41. Herrmann, J., J. C. Kaski and A. Lerman (2012). "Coronary microvascular dysfunction in the clinical setting: from mystery to reality." Eur Heart J **33**(22): 2771-2782b.
42. Hochman, J. S., C. H. McCabe, P. H. Stone, R. C. Becker, C. P. Cannon, T. DeFeo-Fraulini, B. Thompson, R. Steingart, G. Knatterud and E. Braunwald (1997). "Outcome and profile of women and men presenting with acute coronary syndromes: a report from TIMI IIIB. TIMI Investigators. Thrombolysis in Myocardial Infarction." J Am Coll Cardiol **30**(1): 141-148.
43. Huynh, K. (2015). "Biomarkers: High-sensitivity troponin assays for the diagnosis of AMI-sex-specific differences?" Nat Rev Cardiol **12**(3): 129.
44. Jespersen, L., S. Z. Abildstrom, A. Hvelplund, J. K. Madsen, S. Galatius, F. Pedersen, S. Hojberg and E. Prescott (2014). "Burden of hospital admission and repeat angiography in angina pectoris patients with and without coronary artery disease: a registry-based cohort study." PLoS One **9**(4): e93170.
45. Johnston, N., B. Jonelid, C. Christersson, T. Kero, H. Renlund, K. Schenck-Gustafsson and B. Lagerqvist (2015). "Effect of Gender on Patients With ST-Elevation and Non-ST-Elevation Myocardial Infarction Without Obstructive Coronary Artery Disease." Am J Cardiol **115**(12): 1661-1666.
46. Johnston, N., K. Schenck-Gustafsson and B. Lagerqvist (2011). "Are we using cardiovascular medications and coronary angiography appropriately in men and women with chest pain?" Eur Heart J **32**(11): 1331-1336.
47. Kalyani, R. R., M. Lazo, P. Ouyang, E. Turkbey, K. Chevalier, F. Brancati, D. Becker and D. Vaidya (2014). "Sex differences in diabetes and risk of incident coronary artery disease in healthy young and middle-aged adults." Diabetes Care **37**(3): 830-838.
48. Kang, S. J., J. M. Ahn, S. Han, J. Y. Lee, W. J. Kim, D. W. Park, S. W. Lee, Y. H. Kim, C. W. Lee, S. W. Park, G. S. Mintz and S. Park (2013). "Sex differences in the visual-functional mismatch between coronary angiography or intravascular ultrasound versus fractional flow reserve." JACC Cardiovasc Interv **6**(6): 562-568.
49. Kaul, P., P. W. Armstrong, S. Sookram, B. K. Leung, N. Brass and R. C. Welsh (2011). "Temporal trends in patient and treatment delay among men and women presenting with ST-elevation myocardial infarction." Am Heart J **161**(1): 91-97.
50. Kaushik, M., S. P. Sontineni and C. Hunter (2010). "Cardiovascular disease and androgens: a review." Int J Cardiol **142**(1): 8-14.
51. Kendel, F., A. Dunkel, T. Muller-Tasch, K. Steinberg, E. Lehmkuhl, R. Hetzer and V. Regitz-Zagrosek (2011). "Gender differences in health-related quality of life after coronary bypass surgery: results from a 1-year follow-up in propensity-matched men and women." Psychosom Med **73**(3): 280-285.
52. Kendel, F., G. Gelbrich, M. Wirtz, E. Lehmkuhl, N. Knoll, R. Hetzer and V. Regitz-Zagrosek (2010). "Predictive relationship between depression and physical functioning after coronary surgery." Arch Intern Med **170**(19): 1717-1721.
53. Kingwell, B. A., T. L. Medley, T. K. Waddell, T. J. Cole, A. M. Dart and G. L. Jennings (2001). "Large artery stiffness: structural and genetic aspects." Clin Exp Pharmacol Physiol **28**(12): 1040-1043.
54. Knaapen, P., P. G. Camici, K. M. Marques, R. Nijveldt, J. J. Bax, N. Westerhof, M. J. Gotte, M. Jerosch-Herold, H. R. Schelbert, A. A. Lammertsma and A. C. van Rossum (2009). "Coronary microvascular resistance: methods for its quantification in humans." Basic Res Cardiol **104**(5): 485-498.
55. Kobayashi, Y., W. F. Fearon, Y. Honda, S. Tanaka, V. Pargaonkar, P. J. Fitzgerald, D. P. Lee, M. Stefanick, A. C. Yeung and A. Tremmel (2015). "Effect of Sex Differences on Invasive Measures of Coronary Microvascular Dysfunction in Patients with Angina in the Absence of Obstructive Coronary Artery Disease." JACC Cardiovasc Interv **8**(11): 1433-1441.
56. Koller, A. (2014). "Perspectives: Microvascular endothelial dysfunction and gender." Eur Heart J Suppl **16**(Suppl A): A16-A19.

57. Komamura, K., M. Fukui, T. Iwasaku, S. Hirotsu and T. Masuyama (2014). "Takotsubo cardiomyopathy: Pathophysiology, diagnosis and treatment." World J Cardiol **6**(7):602-609.
58. Kornowski, R., H. Vaknin-Assa, A. Assali, E. I. Lev, A. Porter, A. Battler and T. Bental (2012). "A comparative analysis of major clinical outcomes with drug-eluting stents versus bare metal stents in male versus female patients." EuroIntervention **7**(9): 1051-1059.
59. Koster, N. K., Y. M. Reddy, S. M. Schima and N. J. Almeida (2010). "Gender-specific echocardiographic findings in nonagenarians with cardiovascular disease." Am J Cardiol **105**(2):273-276.
60. Kothawade, K. and C. N. Bairey Merz (2011). "Microvascular coronary dysfunction in women: pathophysiology, diagnosis, and management." Curr Probl Cardiol **36**(8):291-318.
61. Kwon, D. H., C. M. Halley, Z. B. Popovic, T. P. Carrigan, V. Zysek, R. Setser, P. Schoenhagen, S. D. Flamm, R. C. Starling and M. Y. Desai (2009). "Gender differences in survival in patients with severe left ventricular dysfunction despite similar extent of myocardial scar measured on cardiac magnetic resonance." Eur J Heart Fail **11**(10): 937-944.
62. Lagerqvist, B., K. Safstrom, E. Stahle, L. Wallentin and E. Swahn (2001). "Is early invasive treatment of unstable coronary artery disease equally effective for both women and men? FRISC II Study Group Investigators." J Am Coll Cardiol **38**(1): 41-48.
63. Lansky, A. J., V. G. Ng, A. Maehara, G. Weisz, A. Lerman, G. S. Mintz, B. De Bruyne, N. Farhat, G. Niess, I. Jankovic, D. Lazar, K. Xu, M. Fahy, P. W. Serruys and G. W. Stone (2012). "Gender and the extent of coronary atherosclerosis, plaque composition, and clinical outcomes in acute coronary syndromes." JACC Cardiovasc Imaging **5**(3 Suppl): S62-72.
64. Lehmkühl, E., F. Kendel, G. Gelbrich, A. Dunkel, S. Oertelt-Prigione, B. Babitsch, C. Knosalla, N. Bairey-Merz, R. Hetzer and V. Regitz-Zagrosek (2012). "Gender-specific predictors of early mortality after coronary artery bypass graft surgery." Clin Res Cardiol **101**(9): 745-751.
65. Lempereur, M., J. Magne, K. Cornelis, C. Hanet, Y. Taeymans, M. Vrolix and V. Legrand (2014). "Impact of gender difference in hospital outcomes following percutaneous coronary intervention. Results of the Belgian Working Group on Interventional Cardiology (BWGIC) registry." EuroIntervention.
66. Li, J., C. S. Rihal, Y. Matsuo, M. Y. Elrashidi, A. J. Flammer, M. S. Lee, A. Cassar, R. J. Lennon, J. Herrmann, M. R. Bell, D. R. Holmes, J. F. Bresnahan, Q. Hua, L. O. Lerman and A. Lerman (2013). "Sex-related differences in fractional flow reserve-guided treatment." Circ Cardiovasc Interv **6**(6):662-670.
67. Mao, S. S., N. Ahmadi, B. Shah, D. Beckmann, A. Chen, L. Ngo, F. R. Flores, Y. L. Gao and M. J. Budoff (2008). "Normal thoracic aorta diameter on cardiac computed tomography in healthy asymptomatic adults: impact of age and gender." Acad Radiol **15**(7): 827-834.
68. Mega, J. L., J. S. Hochman, B. M. Scirica, S. A. Murphy, S. Sloan, C. H. McCabe, P. Merlini and D. A. Morrow (2010). "Clinical features and outcomes of women with unstable ischemic heart disease: observations from metabolic efficiency with ranolazine for less ischemia in non-ST-elevation acute coronary syndromes-thrombolysis in myocardial infarction 36 (MERLIN-TIMI 36)." Circulation **121**(16): 1809-1817.
69. Melander, O., A. S. Maisel, P. Almgren, J. Manjer, M. Belting, B. Hedblad, G. Engstrom, U. Kilger, P. Nilsson, A. Bergmann and M. Orho-Melander (2012). "Plasma proneurotensin and incidence of diabetes, cardiovascular disease, breast cancer, and mortality." JAMA **308**(14): 1469-1475.
70. Merz, C. N. and L. J. Shaw (2011). "Stable angina in women: lessons from the National Heart, Lung and Blood Institute-sponsored Women's Ischemia Syndrome Evaluation." J Cardiovasc Med (Hagerstown) **12**(2): 85-87.
71. Mieres, J. H., M. Gulati, N. Bairey Merz, D. S. Berman, T. C. Gerber, S. N. Hayes, C. M. Kramer, J. K. Min, L. K. Newby, J. V. Nixon, M. B. Srichai, P. A. Pellikka, R. F. Redberg, N. K. Wenger, L. J. Shaw, American Heart Association Cardiac Imaging Committee of the Council on Clinical Cardiology and Cardiovascular Imaging and Intervention Committee of the Council on Cardiovascular Radiology and Intervention (2014). "Role of noninvasive testing in the clinical evaluation of women with suspected ischemic heart disease: a consensus statement from the American Heart Association." Circulation **130**(4): 350-379.
72. Mieres, J. H., L. J. Shaw, A. Arai, M. J. Budoff, S. D. Flamm, W. G. Hundley, T. H. Marwick, L. Mosca, A. R. Patel, M. A. Quinones, R. F. Redberg, K. A. Taubert, A. J. Taylor, G. S. Thomas, N. K. Wenger, Cardiac Imaging Committee, Council on Clinical Cardiology and the Cardiovascular Imaging and Intervention Committee, Council on Cardiovascular Radiology and Intervention and American Heart Association (2005). "Role of noninvasive testing in the clinical evaluation of women with suspected coronary artery disease: Consensus statement from the Cardiac Imaging Committee, Council on Clinical Cardiology, and the Cardiovascular Imaging and Intervention Committee, Council on Cardiovascular Radiology and Intervention, American Heart Association." Circulation **111**(5):682-696.
73. Montalescot, G., U. Sechtem, S. Achenbach, F. Andreotti, C. Arden, A. Budaj, R. Bugiardini, F. Crea, T. Cuisset, C. Di Mario, J. R. Ferreira, B. J. Gersh, A. K. Gitt, J. S. Hulot, N. Marx, L. H. Opie, M. Pfisterer, E. Prescott, F. Ruschitzka, M. Sabate, R. Senior, D. P. Taggart, E. E. van der Wall, C. J. Vrints, ESC Committee for Practice Guidelines, J. L. Zamorano, S. Achenbach, H. Baumgartner, J. J. Bax, H. Bueno, V. Dean, C. Deaton, C. Erol, R. Fagard, R. Ferrari, D. Hasdai, A. W. Hoes, P. Kirchhof, J. Knuuti, P. Kolh, P. Lancellotti, A. Linhart, P. Nihoyannopoulos, M. F. Piepoli, P. Ponikowski, P. A. Sirnes, J. L. Tamargo, M. Tendera, A. Torbicki, W. Wijns, S. Windecker, R. Document, J. Knuuti, M. Valgimigli, H. Bueno, M. J. Claeys,

- N. Donner-Banzhoff, C. Erol, H. Frank, C. Funck-Brentano, O. Gaemperli, J. R. Gonzalez-Juanatey, M. Hamilos, D. Hasdai, S. Husted, S. K. James, K. Kervinen, P. Kolh, S. D. Kristensen, P. Lancellotti, A. P. Maggioni, M. F. Piepoli, A. R. Pries, F. Romeo, L. Ryden, M. L. Simoons, P. A. Sirnes, P. G. Steg, A. Timmis, W. Wijns, S. Windecker, A. Yildirim and J. L. Zamorano (2013). "2013 ESC guidelines on the management of stable coronary artery disease: the Task Force on the management of stable coronary artery disease of the European Society of Cardiology." Eur Heart J **34**(38): 2949-3003.
74. Morise, A. P., M. S. Lauer and V. F. Froelicher (2002). "Development and validation of a simple exercise test score for use in women with symptoms of suspected coronary artery disease." Am Heart J **144**(5): 818-825.
 75. Murthy, V. L., M. Naya, V. R. Taqueti, C. R. Foster, M. Gaber, J. Hainer, S. Dorbala, R. Blankstein, O. Rimoldi, P. G. Camici and M. F. Di Carli (2014). "Effects of sex on coronary microvascular dysfunction and cardiac outcomes." Circulation **129**(24): 2518-2527.
 76. Nante, N., G. Messina, M. Cecchini, O. Bertetto, F. Moirano and M. McKee (2009). "Sex differences in use of interventional cardiology persist after risk adjustment." J Epidemiol Community Health **63**(3): 203-208.
 77. Norris, C. M., W. A. Ghali, P. D. Galbraith, M. M. Graham, L. A. Jensen and M. L. Knudtson (2004). "Women with coronary artery disease report worse health-related quality of life outcomes compared to men." Health Qual Life Outcomes **2**: 21.
 78. Norris, C. M., J. A. Spertus, L. Jensen, J. Johnson, K. M. Hegadoren and W. A. Ghali (2008). "Sex and gender discrepancies in health-related quality of life outcomes among patients with established coronary artery disease." Circ Cardiovasc Qual Outcomes **1**(2): 123-130.
 79. Nugent, L., P. K. Mehta and C. N. Bairey Merz (2011). "Gender and microvascular angina." J Thromb Thrombolysis **31**(1): 37-46.
 80. Ohba, K., S. Sugiyama, H. Sumida, T. Nozaki, J. Matsubara, Y. Matsuzawa, M. Konishi, E. Akiyama, H. Kurokawa, H. Maeda, K. Sugamura, Y. Nagayoshi, K. Morihisa, K. Sakamoto, K. Tsujita, E. Yamamoto, M. Yamamuro, S. Kojima, K. Kaikita, S. Tayama, S. Hokimoto, K. Matsui, T. Sakamoto and H. Ogawa (2012). "Microvascular coronary artery spasm presents distinctive clinical features with endothelial dysfunction as nonobstructive coronary artery disease." J Am Heart Assoc **1**(5): e002485.
 81. Otten, A. M., A. H. Maas, J. P. Ottervanger, A. Kloosterman, A. W. van 't Hof, J. H. Dambrink, A. T. Gosselink, J. C. Hoorntje, H. Suryapranata, M. J. de Boer and Zwolle Myocardial Infarction study Group (2013). "Is the difference in outcome between men and women treated by primary percutaneous coronary intervention age dependent? Gender difference in STEMI stratified on age." Eur Heart J Acute Cardiovasc Care **2**(4): 334-341.
 82. Pajunen, P., M. R. Taskinen, M. S. Nieminen and M. Syvanne (2000). "Angiographic severity and extent of coronary artery disease in patients with type 1 diabetes mellitus." Am J Cardiol **86**(10): 1080-1085.
 83. Parashar, S., J. S. Rumsfeld, K. J. Reid, D. Buchanan, N. Dawood, S. Khizer, J. Lichtman, V. Vaccarino and Premier Registry Investigators (2009). "Impact of depression on sex differences in outcome after myocardial infarction." Circ Cardiovasc Qual Outcomes **2**(1): 33-40.
 84. Park, D. W., Y. H. Kim, S. C. Yun, J. M. Ahn, J. Y. Lee, W. J. Kim, S. J. Kang, S. W. Lee, C. W. Lee, S. W. Park and S. J. Park (2013). "Frequency, causes, predictors, and clinical significance of peri-procedural myocardial infarction following percutaneous coronary intervention." Eur Heart J **34**(22): 1662-1669.
 85. Patel, A. R., J. T. Kuvin, K. A. Sliney, W. M. Rand, J. C. Chiang, J. E. Udelson, N. G. Pandian and R. H. Karas (2005). "Gender-based differences in brachial artery flow-mediated vasodilation as an indicator of significant coronary artery disease." Am J Cardiol **96**(9): 1223-1226.
 86. Pepine, C. J., R. D. Anderson, B. L. Sharaf, S. E. Reis, K. M. Smith, E. M. Handberg, B. D. Johnson, G. Sopko and C. N. Bairey Merz (2010). "Coronary microvascular reactivity to adenosine predicts adverse outcome in women evaluated for suspected ischemia results from the National Heart, Lung and Blood Institute WISE (Women's Ischemia Syndrome Evaluation) study." J Am Coll Cardiol **55**(25): 2825-2832.
 87. Pepine, C. J., K. C. Ferdinand, L. J. Shaw, K. A. Light-McGroary, R. U. Shah, M. Gulati, C. Duvernoy, M. N. Walsh, C. N. Bairey Merz and A. C. i. W. Committee (2015). "Emergence of Nonobstructive Coronary Artery Disease: A Woman's Problem and Need for Change in Definition on Angiography." J Am Coll Cardiol **66**(17): 1918-1933.
 88. Puymirat, E., T. Simon, P. G. Steg, F. Schiele, P. Gueret, D. Blanchard, K. Khalife, P. Goldstein, S. Cattan, L. Vaur, J. P. Cambou, J. Ferrieres, N. Danchin, Usic Usic Investigators and Fast MI Investigators (2012). "Association of changes in clinical characteristics and management with improvement in survival among patients with ST-elevation myocardial infarction." JAMA **308**(10): 998-1006.
 89. Qureshi, W., M. J. Blaha, K. Nasir and M. H. Al-Mallah (2013). "Gender differences in coronary plaque composition and burden detected in symptomatic patients referred for coronary computed tomographic angiography." Int J Cardiovasc Imaging **29**(2): 463-469.
 90. Ramanath, V. S., D. F. Armstrong, M. Grzybowski, S. Rahnama-Mohagdam, U. U. Tamhane, K. Gordon, J. B. Froehlich, K. A. Eagle and E. A. Jackson (2010). "Receipt of cardiac medications upon discharge among men and women with acute coronary syndrome and nonobstructive coronary artery disease." Clin Cardiol **33**(1): 36-41.

91. Ranthe, M. F., L. Carstensen, N. Oyen, J. Tfelt-Hansen, M. Christiansen, W. J. McKenna, J. Wohlfahrt, M. Melbye and H. A. Boyd (2012). "Family history of premature death and risk of early onset cardiovascular disease." J Am Coll Cardiol **60**(9): 814-821.
92. Regitz-Zagrosek, V., C. Blomstrom Lundqvist, C. Borghi, R. Cifkova, R. Ferreira, J. M. Foidart, J. S. Gibbs, C. Gohlke-Baerwolf, B. Gorenek, B. Iung, M. Kirby, A. H. Maas, J. Morais, P. Nihoyannopoulos, P. G. Pieper, P. Presbitero, J. W. Roos-Hesselink, M. Schaufelberger, U. Seeland, L. Torracca, ESC Committee for Practice Guidelines, European Society of Gynecology, Association for European Paediatric Cardiology and German Society for Gender Medicine (2011). "ESC Guidelines on the management of cardiovascular diseases during pregnancy: the Task Force on the Management of Cardiovascular Diseases during Pregnancy of the European Society of Cardiology (ESC)." Eur Heart J **32**(24): 3147-3197.
93. Regitz-Zagrosek, V., E. Lehmkuhl, B. Hocher, D. Goesmann, H. B. Lehmkuhl, H. Hausmann and R. Hetzer (2004). "Gender as a risk factor in young, not in old, women undergoing coronary artery bypass grafting." J Am Coll Cardiol **44**(12): 2413-2414.
94. Reibis, R. K., K. Bestehorn, D. Pittrow, C. Jannowitz, K. Wegscheider and H. Voller (2009). "Elevated risk profile of women in secondary prevention of coronary artery disease: a 6-year survey of 117,913 patients." J Womens Health (Larchmt) **18**(8): 1123-1131.
95. Reynolds, H. R., M. B. Srichai, S. N. Iqbal, J. N. Slater, G. B. Mancini, F. Feit, I. Pena-Sing, L. Axel, M. J. Attubato, L. Yatskar, R. T. Kalthorn, D. A. Wood, I. V. Lobach and J. S. Hochman (2011). "Mechanisms of myocardial infarction in women without angiographically obstructive coronary artery disease." Circulation **124**(13): 1414-1425.
96. Rich-Edwards, J. W., B. R. McCaw and A. Lewis-O'Connor (2015). "Domestic violence may trigger Takotsubo." Am J Med **128**(4): e9.
97. Robinson, J. G., R. Wallace, M. Limacher, H. Ren, B. Cochrane, S. Wassertheil-Smoller, J. K. Ockene, P. L. Blanchette and M. G. Ko (2008). "Cardiovascular risk in women with non-specific chest pain (from the Women's Health Initiative Hormone Trials)." Am J Cardiol **102**(6): 693-699.
98. Ruiz-Garcia, J., A. Lerman, G. Weisz, A. Maehara, G. S. Mintz, M. Fahy, K. Xu, A. J. Lansky, E. Cristea, T. G. Farah, R. Teles, H. E. Botker, B. Templin, Z. Zhang, B. de Bruyne, P. W. Serruys and G. W. Stone (2012). "Age- and gender-related changes in plaque composition in patients with acute coronary syndrome: the PROSPECT study." EuroIntervention **8**(8): 929-938.
99. Safdar, B., J. T. Nagurney, A. Anise, H. A. DeVon, G. D'Onofrio, E. P. Hess, J. E. Hollander, M. J. Legato, A. J. McGregor, J. Scott, S. Tewelde and D. B. Diercks (2014). "Gender-specific research for emergency diagnosis and management of ischemic heart disease: proceedings from the 2014 Academic Emergency Medicine Consensus Conference Cardiovascular Research Workgroup." Acad Emerg Med **21**(12):1350-1360.
100. Sedlak, T. L., M. Lee, M. Izadnegahdar, C. N. Merz, M. Gao and K. H. Humphries (2013). "Sex differences in clinical outcomes in patients with stable angina and no obstructive coronary artery disease." Am Heart J **166**(1):38-44.
101. Shah, A. S., M. Griffiths, K. K. Lee, D. A. McAllister, A. L. Hunter, A. V. Ferry, A. Cruikshank, A. Reid, M. Stoddart, F. Strachan, S. Walker, P. O. Collinson, F. S. Apple, A. J. Gray, K. A. Fox, D. E. Newby and N. L. Mills (2015). "High sensitivity cardiac troponin and the under-diagnosis of myocardial infarction in women: prospective cohort study." BMJ **350**: g7873.
102. Shanmugasagaram, S., K. L. Russell, A. H. Kovacs, D. E. Stewart and S. L. Grace (2012). "Gender and sex differences in prevalence of major depression in coronary artery disease patients: a meta-analysis." Maturitas **73**(4): 305-311.
103. Sharkey, S. W. and B. J. Maron (2014). "Epidemiology and clinical profile of Takotsubo cardiomyopathy." Circ J **78**(9): 2119-2128.
104. Shaw, L. J., R. Bugiardini and C. N. Merz (2009). "Women and ischemic heart disease: evolving knowledge." J Am Coll Cardiol **54**(17): 1561-1575.
105. Shaw, L. J., J. K. Min, J. Narula, F. Lin, C. N. Bairey-Merz, T. Q. Callister and D. S. Berman (2010). "Sex differences in mortality associated with computed tomographic angiographic measurements of obstructive and nonobstructive coronary artery disease: an exploratory analysis." Circ Cardiovasc Imaging **3**(4): 473-481.
106. Shin, J. S., S. J. Tahk, H. M. Yang, M. H. Yoon, S. Y. Choi, B. J. Choi, H. S. Lim, Y. H. Lee, K. W. Seo, S. J. Park, Y. W. Choi, J. Yoon, Y. J. Youn, B. R. Cho, K. S. Cha, K. R. Han, M. S. Hyon, S. W. Rha, B. O. Kim, W. Y. Shin, K. S. Park, S. S. Cheong and M. H. Jeong (2014). "Impact of female gender on bleeding complications after transradial coronary intervention (from the Korean Transradial Coronary Intervention registry)." Am J Cardiol **113**(12): 2002-2006.
107. Singh, M., S. H. Chin, D. Crothers, P. Giles, K. Al-Allaf and J. M. Khan (2013). "Time trends of gender-based differences in lipid goal attainments during secondary prevention of coronary artery disease: results of a 5-year survey." Am J Ther **20**(6): 613-617.
108. Tamis-Holland, J. E., J. Lu, M. Korytkowski, M. Magee, W. J. Rogers, N. Lopes, L. Mighton, A. K. Jacobs and Bari D. Study Group (2013). "Sex differences in presentation and outcome among patients with type 2 diabetes and coronary artery disease treated with contemporary medical therapy with or without prompt revascularization: a report from the BARI 2D Trial (Bypass Angioplasty Revascularization Investigation 2 Diabetes)." J Am Coll Cardiol **61**(17): 1767-1776.

109. Templin, C., J. R. Ghadri, J. Diekmann, L. C. Napp, D. R. Bataiosu, M. Jaguszewski, V. L. Cammann, A. Sarcon, V. Geyer, C. A. Neumann, B. Seifert, J. Hellermann, M. Schwyzer, K. Eisenhardt, J. Jenewein, J. Franke, H. A. Katus, C. Burgdorf, H. Schunkert, C. Moeller, H. Thiele, J. Bauersachs, C. Tschope, H. P. Schultheiss, C. A. Laney, L. Rajan, G. Michels, R. Pfister, C. Ukena, M. Bohm, R. Erbel, A. Cuneo, K. H. Kuck, C. Jacobshagen, G. Hasenfuss, M. Karakas, W. Koenig, W. Rottbauer, S. M. Said, R. C. Braun-Dullaeus, F. Cuculi, A. Banning, T. A. Fischer, T. Vasankari, K. E. Airaksinen, M. Fijalkowski, A. Rynkiewicz, M. Pawlak, G. Opolski, R. Dworakowski, P. MacCarthy, C. Kaiser, S. Osswald, L. Galiuto, F. Crea, W. Dichtl, W. M. Franz, K. Empen, S. B. Felix, C. Delmas, O. Lairez, P. Erne, J. J. Bax, I. Ford, F. Ruschitzka, A. Prasad and T. F. Luscher (2015). "Clinical Features and Outcomes of Takotsubo (Stress) Cardiomyopathy." *N Engl J Med* **373**(10): 929-938.
110. Thygesen, K., J. S. Alpert, A. S. Jaffe, M. L. Simoons, B. R. Chaitman, H. D. White, Joint ESC/Accf/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction, H. A. Katus, B. Lindahl, D. A. Morrow, P. M. Clemmensen, P. Johanson, H. Hod, R. Underwood, J. J. Bax, R. O. Bonow, F. Pinto, R. J. Gibbons, K. A. Fox, D. Atar, L. K. Newby, M. Galvani, C. W. Hamm, B. F. Uretsky, P. G. Steg, W. Wijns, J. P. Bassand, P. Menasche, J. Ravkilde, E. M. Ohman, E. M. Antman, L. C. Wallentin, P. W. Armstrong, M. L. Simoons, J. L. Januzzi, M. S. Nieminen, M. Gheorghiade, G. Filippatos, R. V. Luepker, S. P. Fortmann, W. D. Rosamond, D. Levy, D. Wood, S. C. Smith, D. Hu, J. L. Lopez-Sendon, R. M. Robertson, D. Weaver, M. Tendera, A. A. Bove, A. N. Parkhomenko, E. J. Vasilieva and S. Mendis (2012). "Third universal definition of myocardial infarction." *Circulation* **126**(16): 2020-2035.
111. Tokura, M., I. Taguchi, M. Kageyama, T. Nasuno, Y. Nishiyama, N. Koshiji, S. Koizumi, D. Uehara, Y. Ogino, S. Toyoda, S. Abe and T. Inoue (2014). "Clinical features of spontaneous coronary artery dissection." *J Cardiol* **63**(2): 119-122.
112. Tunstall-Pedoe, H., M. Woodward, R. Tavendale, R. A'Brook and M. K. McCluskey (1997). "Comparison of the prediction by 27 different factors of coronary heart disease and death in men and women of the Scottish Heart Health Study: cohort study." *BMJ* **315**(7110): 722-729.
113. Tweet, M. S., M. F. Eleid, P. J. Best, R. J. Lennon, A. Lerman, C. S. Rihal, D. R. Holmes, Jr., S. N. Hayes and R. Gulati (2014). "Spontaneous coronary artery dissection: revascularization versus conservative therapy." *Circ Cardiovasc Interv* **7**(6): 777-786.
114. Vaccarino, V., L. Badimon, R. Corti, C. de Wit, M. Dorobantu, A. Hall, A. Koller, M. Marzilli, A. Pries, R. Bugiardini and Working Group on Coronary Pathophysiology and Microcirculation (2011). "Ischaemic heart disease in women: are there sex differences in pathophysiology and risk factors? Position paper from the working group on coronary pathophysiology and microcirculation of the European Society of Cardiology." *Cardiovasc Res* **90**(1): 9-17.
115. Vaidya, D., L. R. Yanek, T. F. Moy, T. A. Pearson, L. C. Becker and D. M. Becker (2007). "Incidence of coronary artery disease in siblings of patients with premature coronary artery disease: 10 years of follow-up." *Am J Cardiol* **100**(9): 1410-1415.
116. Victor, B. M., V. Teal, L. Ahedor and D. G. Karalis (2014). "Gender differences in achieving optimal lipid goals in patients with coronary artery disease." *Am J Cardiol* **113**(10): 1611-1615.
117. Xu, X., H. Bao, K. Strait, J. A. Spertus, J. H. Lichtman, G. D'Onofrio, E. Spatz, E. M. Bucholz, M. Geda, N. P. Lorenze, H. Bueno, J. F. Beltrame and H. M. Krumholz (2015). "Sex differences in perceived stress and early recovery in young and middle-aged patients with acute myocardial infarction." *Circulation* **131**(7): 614-623.
118. Yahagi, K., H. R. Davis, E. Arbustini and R. Virmani (2015). "Sex differences in coronary artery disease: Pathological observations." *Atherosclerosis* **239**(1): 260-267.
119. Yiu, K. H., F. R. de Graaf, J. D. Schuijf, J. M. van Werkhoven, N. A. Marsan, C. E. Veltman, A. de Roos, A. Pazhenkottil, L. J. Kroft, E. Boersma, B. Herzog, M. Leung, E. Maffei, D. Y. Leung, P. A. Kaufmann, F. Cademartiri, J. J. Bax and J. W. Jukema (2012). "Age- and gender-specific differences in the prognostic value of CT coronary angiography." *Heart* **98**(3): 232-237.
120. Yoshino, S., R. Cilluffo, P. J. Best, E. J. Atkinson, T. Aoki, J. M. Cunningham, M. de Andrade, B. J. Choi, L. O. Lerman and A. Lerman (2014). "Single nucleotide polymorphisms associated with abnormal coronary microvascular function." *Coron Artery Dis* **25**(4): 281-289.