

REFERENCES

1. Anderson JL, Adams CD, Antman EM, et al: 2012 ACCF/AHA focused update incorporated into the ACCF/AHA 2007 guidelines for the management of patients with unstable angina/non-ST-elevation myocardial infarction: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *J Am Coll Cardiol* 61: e179, 2013. [PMID: 23639841]
2. Canto JG, Goldberg RJ, Hand MM, et al: Symptom presentations of women with acute coronary syndromes. *Arch Intern Med* 167: 2405, 2007. [PMID: 18071161]
3. Arslanian-Engoren C, Patel A, Fang J, et al: Symptoms of men and women presenting with acute coronary syndromes. *Am J Cardiol* 98: 1177, 2006. [PMID: 17056322]
4. Han JH, Lindsell CJ, Storrow AB, et al: Cardiac risk factor burden and its association with acute coronary syndrome. *Ann Emerg Med* 49: 145, 2007. [PMID: 17145112]
5. O'Gara PT, Kushner FG, Ascheim DD, et al: 2013 ACCF/AHA guideline for the management of ST-elevation myocardial infarction: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation* 127: e362, 2013. [PMID: 23247304]
6. Steg PG, James SK, Atar D, et al: ESC guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation: the Task Force on the management of ST-segment elevation acute myocardial infarction of the European Society of Cardiology (ESC). *Eur Heart J* 33: 2569, 2012. [PMID: 22922416]
7. Riley RF, Newby LK, Don CW, et al: Diagnostic time course, treatment, and in-hospital outcomes for STEMI patients presenting with non-diagnostic initial ECG: a report from the AHA Mission: Lifeline Program. *Am Heart J* 165: 50, 2013. [PMID: 23237133]
8. Cqi Q, Mehta N, Sgarbossa EB, et al: The Left bundle-branch block puzzle in the 2013 ST elevation myocardial infarction guideline: from falsely declaring emergency to denying reperfusion in a high-risk population. Are the Sgarbossa Criteria ready for prime time? *Am Heart J* 166: 409, 2013. [PMID: 24016487]
9. Zimetbaum P, Krishnan S, Gold A, Carrozza JP II, Josephson M: Usefulness of ST segment elevation in lead III exceeding that of lead II for identifying the location of the totally occluded coronary artery in inferior wall myocardial infarction. *Am J Cardiol* 81: 918, 1998. [PMID: 9555783]
10. Herz I, Assali AR, Adler Y, Solodky A, Sclarovsky S: New electrocardiographic criteria for predicting either the right or left circumflex artery as the culprit coronary artery in inferior wall acute myocardial infarction. *Am J Cardiol* 80: 1343, 1997. [PMID: 9388111]
11. Bairey CN, Shah K, Lew AS, Hulse S: Electrocardiographic differentiation of occlusion of the left circumflex versus the right coronary artery as a cause of inferior acute myocardial infarction. *Am J Cardiol* 60: 456, 1987. [PMID: 3630927]
12. Hasdai D, Birnbaum Y, Herz I, Sclarovsky S, Mazur A, Solodky A: ST segment depression in lateral limb leads in inferior wall acute myocardial infarction: implications regarding the culprit artery and the site of obstruction. *Eur Heart J* 16: 1549, 1995. [PMID: 8881846]
13. Lopez-Sendon J, Coma-Canella I, Alcasena S, Seoane J, Gamallo C: Electrocardiographic findings in acute right ventricular infarction: sensitivity and specificity of electrocardiographic alterations in right precordial leads V4R, V3R, V1, V2, and V3. *J Am Coll Cardiol* 6: 1273, 1985. [PMID: 4067105]
14. Vijayaraghavan R, Yan AT, Tan M, et al: Local hospital vs. core-laboratory interpretation of the admission electrocardiogram in acute coronary syndromes: increased mortality in patients with unrecognized ST-elevation myocardial infarction. *Eur Heart J* 29: 31, 2008. [PMID: 17989080]
15. Larson DM, Menssen KM, Sharkey SW, et al: "False-positive" cardiac catheterization laboratory activation among patients with suspected ST-segment elevation myocardial infarction. *JAMA* 298: 2754, 2007. [PMID: 18165668]
16. Sgarbossa EB, Pinski SL, Barbagelata A, et al: Electrocardiographic diagnosis of evolving acute myocardial infarction in the presence of left bundle branch block. *N Engl J Med* 334: 481, 1996. [PMID: 8559200]
17. Sgarbossa EB, Pinski SL, Gates KB, et al: Early electrocardiographic diagnosis of acute myocardial infarction in the presence of ventricular paced rhythm. *Am J Cardiol* 77: 423, 1996. [PMID: 8602576]
18. Antman EM, Tanasijevic MJ, Thompson B, et al: Cardiac specific troponin I levels predict the risk of mortality in patients with acute coronary syndromes. *N Engl J Med* 335: 1342, 1996. [PMID: 8857017]
19. Thygesen K, Alpert JS, Jaffee AS, et al: Third universal definition of myocardial infarction. *J Am Coll Cardiol* 60: 1581, 2012. [PMID: 22958960]
20. Morrow DA, Cannon CP, Rifai N, et al: Ability of minor elevations of troponins I and T to predict benefit from an early invasive strategy in patients with unstable angina and non ST segment elevation myocardial infarction. *JAMA* 286: 2405, 2001. [PMID: 11712935]
21. Keller T, Zeller T, Peetz D, et al: Sensitive troponin I assay in early diagnosis of acute myocardial infarction. *N Engl J Med* 361: 868, 2009. [PMID: 19710485]
22. Reichlin T, Hochholzer W, Bassetti S, et al: Early diagnosis of myocardial infarction with sensitive cardiac troponin assays. *N Engl J Med* 361: 858, 2009. [PMID: 19710484]
23. Body R, Carley S, McDowell G, et al: Rapid exclusion of acute myocardial infarction in patients with undetectable troponin using a high-sensitivity assay. *J Am Coll Cardiol* 58: 1332, 2011. [PMID: 21920261]
24. Wu AHB, Bolger AF, Hollander JE: Growing pains with the use of high-sensitivity cardiac troponin assays. *J Am Coll Cardiol* 62: 1250, 2013. [PMID: 23583241]
25. Cullen L, Mueller C, Parsonage WA, et al: Validation of high sensitivity troponin I in a 2-hour diagnostic strategy to assess 30-day outcomes in patients with possible acute coronary syndrome. *J Am Coll Cardiol* 62: 1242, 2013. [PMID: 23583250]
26. Hamm CW, Bassand JP, Agewall S, et al: ESC guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation: the Task Force for the management of acute coronary syndromes (ACS) in patients presenting without persistent ST-segment elevation of the European Society of Cardiology (ESC). *Eur Heart J* 32: 2999, 2011. [PMID: 21873419]
27. Wijesinghe M, Perrin K, Ranchord A, et al: Routine use of oxygen in the treatment of myocardial infarction: systematic review. *Heart* 95: 198, 2009. [PMID: 18708420]
28. O'Donoghue M, Boden WE, Braunwald E, et al: Early invasive vs conservative treatment strategies in women and men with unstable angina and non-ST-segment elevation myocardial infarction: a meta-analysis. *JAMA* 300: 71, 2008. [PMID: 18594042]
29. Jain D, Paudel R, Ahmed A, et al: Non-ST-elevation myocardial infarction in the United States: contemporary trends in incidence, utilization of the early invasive strategy, and in-hospital outcomes. *J Am Heart Assoc* 3: e000995, 2014. [PMID: 25074695]
30. Bavry AA, Kumbhani DJ, Rassi AN, et al: Benefit of early invasive therapy in acute coronary syndromes: a meta-analysis of contemporary randomized clinical trials. *J Am Coll Cardiol* 48: 1319, 2006. [PMID: 17010789]
31. Montalescot G, Cayla G, Collet JP, et al: Immediate vs delayed intervention for acute coronary syndromes: a randomized clinical trial. *JAMA* 302: 947, 2009. [PMID: 19724041]
32. Mehta SR, Granger CB, Boden WE, et al: Early versus delayed invasive intervention in acute coronary syndromes. *N Engl J Med* 360: 2165, 2009. [PMID: 19458363]
33. Eagle KA, Nallamothu BK, Mehta RH, et al: Trends in acute reperfusion therapy for ST-segment elevation myocardial infarction from 1999 to 2006: we are getting better but we have got a long way to go. *Eur Heart J* 29: 609, 2008. [PMID: 18310671]
34. Boersma E, Primary Coronary Angioplasty vs. Thrombolysis Group: Does time matter? A pooled analysis of randomized clinical trials comparing primary percutaneous coronary intervention and in-hospital fibrinolysis in acute myocardial infarction patients. *Eur Heart J* 27: 779, 2006. [PMID: 16513663]
35. Nallamothu BK, Wang Y, Magid DJ, et al: Relation between hospital specialization with primary percutaneous coronary intervention and clinical outcomes in ST-segment elevation myocardial infarction. National Registry of Myocardial Infarction-4 analysis. *Circulation* 113: 222, 2006. [PMID: 16401769]
36. Jollis JG, Roettig ML, Aluko AO, et al: Implementation of a statewide system for coronary reperfusion for ST-segment elevation myocardial infarction. *JAMA* 298: 2371, 2007. [PMID: 17982184]
37. Bradley EH, Curry LA, Webster TR, et al: Achieving rapid door-to-balloon times: how top hospitals improve complex clinical systems. *Circulation* 113: 1079, 2006. [PMID: 16490818]
38. Keeley EC, Boura JA, Grines CL: Primary angioplasty versus intravenous thrombolytic therapy for acute myocardial infarction: a quantitative review of 23 randomized trials. *Lancet* 361: 13, 2003. [PMID: 12517460]
39. Cantor WJ, Fitchett D, Borgundvaag B, et al: Routine early angioplasty after fibrinolysis for acute myocardial infarction. *N Engl J Med* 360: 2705, 2009. [PMID: 19553646]
40. Bouhajji B, Souissi S, Ghazali H, et al: Evaluation of fibrinolysis with streptokinase in ST-elevation myocardial infarction admitted to emergency department. *Tunis Med* 92: 147, 2014. [PMID: 24938237]
41. Juarez-Herrera U, Jeres-Sanchez C, RENASICAII Investigators: Risk factors, therapeutic approaches, and in-hospital outcomes in Mexicans with ST-elevation acute myocardial infarction: the RENASICAII multicenter registry. *Clin Cardiol* 36: 241, 2013. [PMID: 23494467]
42. www.thennet.com/nnt/aspirin-for-major-heart-attack. (Quaas J: Aspirin given immediately for a major heart attack [STEMI], v 28, 2009.) Accessed December 27, 2014.
43. Montalescot G, Wiviott SD, Braunwald E, et al: Prasugrel compared with clopidogrel in patients undergoing percutaneous coronary intervention for ST-elevation myocardial infarction (TRITON-TIMI 38): double-blind, randomised controlled trial. *Lancet* 373: 723, 2009. [PMID: 19249633]
44. Webster MW, Floyd S, Shil AB, et al: Prasugrel STEMI subgroup analysis. *Lancet* 373: 1846; 2009.
45. Steg PG, James S, Harrington RA, et al: Ticagrelor versus clopidogrel in patients with ST-elevation acute coronary syndromes intended for reperfusion with primary percutaneous coronary intervention: a Platelet Inhibition and Patient Outcomes (PLATO) trial subgroup analysis. *Circulation* 122: 2131, 2010. [PMID: 21060072]
46. Sabatine MS, Cannon CP, Gibson CM, et al: Addition of clopidogrel to aspirin and fibrinolytic therapy for myocardial infarction with ST-segment elevation. *N Engl J Med* 352: 1179, 2005. [PMID: 15758000]
47. Chen ZM, Jiang LX, Chen YP, et al: Addition of clopidogrel to aspirin in 45,852 patients with acute myocardial infarction: randomized placebo-controlled trial. *Lancet* 366: 1607, 2005. [PMID: 16271642]
48. Fox KA, Mehta SR, Peters R, et al: Benefits and risks of the combination of clopidogrel and aspirin in patients undergoing surgical revascularization for non-ST-elevation acute coronary syndrome: the Clopidogrel in Unstable angina to prevent Recurrent ischemic Events (CURE) Trial. *Circulation* 110: 1202, 2004. [PMID: 15313956]

49. 2005 International consensus on cardiopulmonary resuscitation (CPR) and emergency cardiovascular care (ECC) science with treatment recommendations; Part 5: acute coronary syndromes. *Circulation* 112: III-55, 2005. [PMID: 16116064]
50. Patti G, Colonna G, Pasceri V, et al: Randomized trial of high loading dose of clopidogrel for reduction of periprocedural myocardial infarction in patients undergoing coronary intervention: results from the ARMYDA-2 (Antiplatelet therapy for Reduction of Myocardial Damage during Angioplasty) study. *Circulation* 111: 2099, 2005. [PMID: 15750189]
51. Cuisset T, Frère C, Quilici J, et al: Benefit of 600-mg loading dose of clopidogrel on platelet reactivity and clinical outcomes in patients with non-ST-segment elevation acute coronary syndrome undergoing coronary stenting. *J Am Coll Cardiol* 48: 1339, 2006. [PMID: 17010792]
52. Mehta SR, Tanguay JF, Eikelboom JW, et al: Double-dose versus standard-dose clopidogrel and high-dose versus low-dose aspirin in individuals undergoing percutaneous coronary intervention for acute coronary syndromes (CURRENT-OASIS 7): a randomised factorial trial. *Lancet* 376: 1233, 2010. [PMID: 20817281]
53. Boersma E, Harrington RA, Moliterno DJ, et al: Platelet glycoprotein IIb/IIIa inhibitors in acute coronary syndromes: a meta-analysis of all major randomised clinical trials. *Lancet* 359: 189, 2002. [PMID: 11812552]
54. Giugliano RP, White JA, Bode C, et al: Early versus delayed, provisional eptifibatide in acute coronary syndromes. *N Engl J Med* 360: 2176, 2009. [PMID: 19332455]
55. Hillis LD, Lange RA: Optimal management of acute coronary syndromes. *N Engl J Med* 360: 2237, 2009. [PMID: 19458369]
56. Antman EM, Morrow DA, McCabe CH, et al: Enoxaparin versus unfractionated heparin with fibrinolysis for ST elevation myocardial infarction. *N Engl J Med* 354: 1477, 2006. [PMID: 16537665]
57. Petersen JL, Mahaffey KW, Hasselblad V, et al: Efficacy and bleeding complications among patients randomized to enoxaparin or unfractionated heparin for antithrombin therapy in non-ST-segment elevation acute coronary syndromes: a systematic overview. *JAMA* 292: 89, 2004. [PMID: 15238596]
58. Harrington RA, Becker RC, Cannon CP, et al: Antithrombotic therapy for non-ST-segment elevation acute coronary syndromes: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines (8th edition). *Chest* 133: 670S, 2008. [PMID: 18574276]
59. Stone GW, McLaurin BT, Cox DA, et al: Bivalirudin for patients with acute coronary syndromes. *N Engl J Med* 355: 2203, 2006. [PMID: 17124018]
60. Stone GW, Witzenbichler B, Guagliumi G, et al: Bivalirudin during primary PCI in acute myocardial infarction. *N Engl J Med* 358: 2218, 2008. [PMID: 18499566]
61. Chen ZM, Pan HC, Chen YP, et al: Early intravenous then oral metoprolol in 45,852 patients with acute myocardial infarction: randomized placebo-controlled trial. *Lancet* 366: 1622, 2005. [PMID: 16271643]
62. Latini R, Maggioni AP, Flather M, et al: ACE inhibitor use in patients with acute myocardial infarction: summary of evidence from clinical trials. *Circulation* 92: 3132, 1995. [PMID: 7586285]
63. Heidbuchel H, Tach J, Vanneste L, et al: Significance of arrhythmias during the first 24 hours of acute myocardial infarction treated with alteplase and effect of early administration of a beta-blocker or a bradycardiac agent on their incidence. *Circulation* 89: 1051, 1994. [PMID: 8124790]
64. Imazio M, Negro A, Belli R, et al: Frequency and prognostic significance of pericarditis following acute myocardial infarction treated by primary percutaneous coronary intervention. *Am J Cardiol* 103: 1525, 2009. [PMID: 19463510]
65. Imazio M, Hoit BD: Post-cardiac injury syndromes. An emerging cause of pericardial diseases. *Int J Cardiol* 168: 648, 2013. [PMID: 23040075]
66. Hollander JE, Hoffman RS, Gennis P, et al: Prospective multicenter evaluation of cocaine associated chest pain. Cocaine Associated Chest Pain (COCHPA) Study Group. *Acad Emerg Med* 1: 330, 1994. [PMID: 7614278]
67. Gupta N, Washam JB, Stavros E, et al: Characteristics, management, and outcomes of cocaine-positive patients with acute coronary syndrome (from the National Cardiovascular Data Registry). *Am J Cardiol* 113: 749e756, 2014. [PMID: 24388623]
68. McCord J, Jneid H, Hollander JE, et al: Management of cocaine-associated chest pain and myocardial infarction: a scientific statement from the American Heart Association Acute Cardiac Care Committee of the Council on Clinical Cardiology. *Circulation* 117: 1897, 2008. [PMID: 18347214]
69. Cappell MS: A study of the syndrome of simultaneous acute upper gastrointestinal bleeding and myocardial infarction in 36 patients. *Am J Gastroenterol* 90: 1444, 1995. [PMID: 7661167]
70. James P, Ellis CJ, Whitlock RM, et al: Relation between troponin T concentration and mortality in patients presenting with acute stroke. *BMJ* 320: 1502, 2000. [PMID: 10834890]
71. Deibert E, Barzilai B, Braverman AC, et al: Clinical significance of elevated troponin I levels in patients with nontraumatic subarachnoid hemorrhage. *J Neurosurg* 98: 741, 2003. [PMID: 12691398]
72. Maeder M, Fehr T, Rickli H, Ammann P: Sepsis-associated myocardial dysfunction: diagnostic and prognostic impact of cardiac troponins and natriuretic peptides. *Chest* 129: 1349 2006.
73. Strike PC, Steptoe A: Behavioral and emotional triggers of acute coronary syndromes: a systematic review and critique. *Psychosom Med* 67: 179, 2005. [PMID: 15784781]
74. Komrad MS, Coffey CE, Coffey KS, et al: Myocardial infarction and stroke. *Neurology* 34: 1403, 1984. [PMID: 6493488]
75. Ramirez J, Aliberti S, Mirsaeidi M, et al: Acute myocardial infarction in hospitalized patients with community-acquired pneumonia. *Clin Infect Dis* 47: 182, 2008. [PMID: 18533841]
76. Fishman PE, Shofer FS, Robey JL, et al: The impact of trauma activations on the care of ED patients with potential acute coronary syndromes. *Ann Emerg Med* 48: 347, 2006. [PMID: 16997668]
77. Schull MJ, Vermeulen M, Slaughter G, et al: Emergency department crowding and thrombolysis delays in acute myocardial infarction. *Ann Emerg Med* 44: 577, 2004. [PMID: 15573032]
78. Dierckx DB, Roe MT, Chen AY, et al: Prolonged emergency department stays of non-ST-segment elevation myocardial infarction patients are associated with worse adherence to the ACC/AHA guidelines for management and increased adverse events. *Ann Emerg Med* 50: 489, 2007. [PMID: 17583379]