

- Abdominal aortic aneurysms. *See* Aortic aneurysms, abdominal
- Acute aortic syndrome, frequency, determinants, and clinical relevance of acute coronary syndrome-like electrocardiographic findings in patients with, 1013
- Acute coronary syndrome
- arterial thrombosis and, 974 (Editor's Roundtable)
 - baseline phospholipid and cardiovascular outcomes in men referred for coronary angiography with, 1739
 - cocaine and, 1040
 - electrocardiographic findings similar to, frequency, determinants, and clinical relevance in patients with acute aortic syndrome of, 1013
 - high yellow color intensity by angiography with quantitative colorimetry to identify high-risk features in culprit lesions of patients with, 1207
 - in-hospital major bleeding complications and temporal trends in antiplatelet/antithrombotic use in, 1359
 - intensive lipid-lowering therapy after, effect on mortality of (a Patient-Level Analysis of the Aggrastat to Zocor and Pravastatin or Atorvastatin Evaluation and Infection Therapy–Thrombolysis In Myocardial Infarction 22 Trials), 1047
 - metabolic syndrome as an individual risk factor for, 561 (Readers' Comments)
 - non–ST-segment elevation
 - baseline characteristics, treatment patterns, and in-hospital outcomes of Asian vs non-Asian White Americans from the CRUSADE Quality Improvement Initiative with, 391
 - B-type natriuretic peptide levels in, 1727
 - hyponatremia (<35 mEq/L) effect on outcome in patients with, 406
 - reduced-dose enoxaparin effectiveness and safety after antiplatelet therapy alone for percutaneous coronary intervention in, 1376
 - prior peripheral arterial disease and stroke, evidence-based therapies effect on, 1
 - relation to outcome of differences between local hospital and core laboratory interpretation of admission electrocardiogram in patients with, 169
 - statin use at hospital discharge vs six-month outcomes in patients with serum low-density lipoprotein ≥ 100 mg/dl vs < 100 mg/dl and, 913
 - suspected, comparison of frequency of new-onset atrial fibrillation or flutter in patients on statins vs not on statins presenting with, 404
 - thrombocytopenia after treatment with enoxaparin vs unfractionated heparin for, 1734
 - time course of hemoglobin concentrations in the intensive care unit in non-bleeding patients with, 579
 - virtual histology vs intravascular ultrasound of target coronary lesions in stable angina pectoris and culprit coronary lesions in, 953
- Acute myocardial infarction. *See also* ST-segment elevation myocardial infarction
- anterior wall, relation of admission white blood cell count to left ventricular remodeling after, 182
 - anterior wall first, relation between neutrophil counts on admission, microvascular injury, and left ventricular functional recovery, 35
 - characteristics and outcome of patients according to presenting electrocardiogram with (from the MONICA/KORA Augsburg Myocardial Infarction–Registry), 1056
 - coronary flow reserve immediately after primary coronary angioplasty for, usefulness for prediction of long-term adverse cardiac events and, 806
 - C-reactive protein and new-onset atrial fibrillation in, 753
 - direct stenting vs stenting after balloon predilation in patients with (DIRAMI), 798
 - door-to-balloon time reduction, percutaneous coronary intervention with off-site cardiac surgery backup as strategy for, 1353
 - intracoronary thrombectomy on 30-day mortality in patients with, 1212
 - intravascular ultrasonic imaging of clinical characteristics and arterial remodeling in Japanese patients age ≤ 55 , 56 to 69, and ≥ 70 years with, 1713
 - large anterior wall, granulocyte colony-stimulating factor usefulness to prevent left ventricular remodeling in patients with (The Rigenera Study), 397
 - left ventricular functional recovery after percutaneous coronary intervention for, 1718
 - metabolic syndrome prevalence in patients ≤ 45 years of age having percutaneous coronary intervention for, 1052
 - non–ST-elevation, outcome in patients with ST-elevation acute myocardial infarction treated with percutaneous coronary intervention vs (from the National Heart, Lung, and Blood Institute Dynamic Registry), 190
 - primary coronary angioplasty in, infarct size predictors after, pooled analysis from four contemporary trials on, 1370
 - primary percutaneous coronary intervention vs fibrinolysis for, prognostic evaluation by clinical exercise test scores in patients treated with (a Danish Trial in Acute Myocardial Infarction-2 Sub-Study), 1074
 - serial changes in von Willebrand Factor-Cleaving Protease (ADAMTS13) and prognosis after, 758
 - two- vs three-dimensional myocardial contrast echocardiography for assessing subendocardial perfusion abnormality after percutaneous coronary intervention in patients with, 1502
- ADAMTS13, serial changes in and prognosis after acute myocardial infarction, 758
- Adiponectin
- high molecular weight, as a predictor of long-term clinical coronary artery disease outcome, 569
 - serum levels of, simvastatin and insulin sensitivity in metabolic syndrome patients and, 1397
- Adults
- with congenital heart disease, relation of brain natriuretic peptide to myocardial performance index in, 110
 - growth hormone effect on cardiac contractility with growth hormone deficiency starting in, 1035
 - hepatitis C infection prevalence after congenital heart surgery prior to screening in 1992 in, 1307
 - serum low-density lipoprotein cholesterol levels in, PCSK9 mutations and (The Bogalusa Heart Study), 69
 - Taiwanese, epidemiologic features of infective endocarditis involving native valves in, 1282
 - young, pathobiologic determinants of atherosclerosis in youth risk score and 15-year change in risk score, association with carotid artery intima-media thickness in (from the Cardiovascular Risk in Young Finns Study), 1124
- AFFIRM Study, comparison of rate vs rhythm control for atrial fibrillation in patients with left ventricular dysfunction, 247
- African-Americans
- aldosterone synthase gene polymorphism C-344-T usefulness to predict cardiac remodeling in chronic systolic heart failure in non–African-Americans and, 285
 - in California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program (2003), clinical characteristics and 30-day mortality in, 59
 - isosorbide dinitrate/hydralazine fixed-dose in patients with chronic heart failure, evidence for continued safety and tolerability of (the Extension to African-American Heart Failure Trial), 684
 - metabolic syndrome components and coronary artery disease in, 830
- Afro-Caribbeans, presenting with heart failure and normal vs poor left ventricular systolic function, 1271
- Age
- apolipoprotein B/apolipoprotein A-I ratio relation to risk of fatal myocardial infarction and implications for primary prevention of cardiovascular disease and, 217
 - in patients having coronary angioplasty in 1996 vs in 2006, body mass index, frequency of systemic hypertension and diabetes mellitus and, 1224
 - prevalence of increased ascending and descending thoracic aorta diameter diagnosed by multislice cardiac computed tomography in men vs women and, 1598
- Aged
- centenarians, echocardiographic characteristics of, 1792
 - nonagenarians, temporal trends in coronary artery bypass grafting outcomes for, 1993 to 1999, 1630
 - octogenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without coronary artery bypass grafting, valve structure and survival in, 489

- quadragenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1683
- quinquagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without coronary artery bypass grafting, valve structure and survival in, 1584
- septuagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1157
- sexagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1286
- Aging, left atrioventricular coupling and left ventricular filling assessed using cardiac MRI in healthy subjects and, 122
- American College of Cardiology–National Cardiovascular Data Registry, distal embolic protection in saphenous vein grafts (analysis of 19,546 patients), 1114
- American Indians, predicting new-onset heart failure in, quantitative assessment of electrocardiographic ST depression usefulness for (from the Strong Heart Study), 94
- Amlodipine, renal dysfunction and hypertension prevention after heart transplant by, 531
- ANDROMEDA Study, rosuvastatin vs atorvastatin effectiveness for achievement of combined C-reactive protein (<2 mg/L) and low-density lipoprotein cholesterol (<70 mg/dl) targets in patients with type 2 diabetes mellitus, 1245
- Anemia, prognostic usefulness in outpatients with systolic heart failure of N-terminal pro-brain natriuretic peptide and, 1571
- Aneurysms
 - congenital left ventricular, MRI usefulness with, 310
 - of sinus of Valsalva, 1322 (Readers' Comments)
- Angina pectoris
 - chronic stable, 1635 (Editor's Roundtable)
 - corrected values for duration and frequency of, at baseline in the Clinical Outcomes Utilizing Revascularization and Aggressive Drug Evaluation trial, 1604
 - diagnostic accuracy of 64-slice multidetector computed tomographic angiography in men vs women with, 1532
 - stable, comparison of virtual histology to intravascular ultrasound of culprit coronary lesions in acute coronary syndrome and target coronary lesions in, 953
 - stable and unstable, high-frequency vascular ultrasound imaging and serum inflammatory markers usefulness to predict plaque rupture in patients with, 1341
 - vasospastic, microcirculation damage in smokers vs nonsmokers with, 962
- Angiography. *See* Coronary angiography
- AngioSculpt balloon, nonrandomized comparison of coronary stenting under intravascular ultrasound guidance of direct stenting without predilation vs conventional predilation with a semi-compliant balloon vs predilation with, 812
- Anterograde atrioventricular nodal pathways, multiple, pseudo-atrial fibrillation and rare manifestation of, 154
- Anthracyclines, ventricular systolic reserve in asymptomatic children previously treated with low doses of, 1303
- Anticoagulation, triple antiplatelet therapy efficacy and safety during elective percutaneous coronary intervention with and without concomitant (the REMOVE Trial), 1099
- Antidepressants, tricyclic, Brugada electrocardiographic pattern incidence and outcomes after intentional ingestion of, 656
- Antiplatelet agents
 - alone for percutaneous coronary intervention in non-ST-segment elevation acute coronary syndrome, effectiveness and safety of reduced-dose enoxaparin after, 1376
 - apparent effects on platelet function assay of, 722
 - temporal trends of use for acute coronary syndrome in, in-hospital major bleeding complications and, 1359
 - triple, efficacy and safety during elective percutaneous coronary intervention with and without concomitant anticoagulation of (the REMOVE Trial), 1099
 - triple vs dual, after drug-eluting stent implantation (from the DECLARE–Long Trial), 1103
- Anti-Ro/SSA, comparison of frequency of complex ventricular arrhythmias in patients with connective tissue disease and positive vs negative, 1029
- Antithrombotic agents, temporal trends of use for acute coronary syndrome in, in-hospital major bleeding complications and, 1359
- Anxiety, in patients with obstructive hypertrophic cardiomyopathy three months after alcohol septal ablation, depression, quality of life, and, 1592
- Aorta
 - ascending, clinical and anatomical characteristics of subtle-discrete dissection of, 1314
 - increased ascending and descending thoracic diameter diagnosed by multislice cardiac computed tomography in men vs women and in persons aged 23 to 50 years, 51 to 65 years, 66 to 80 years, and 81 to 88 years, prevalence of, 1598
- Aortic aneurysms, abdominal
 - comparison with computed tomography of two ultrasound devices for diagnosis of, 1786
 - incidences of cardiac arrhythmias, myocardial ischemia, and cardiac events in patients treated with endovascular vs open surgical repair of, 1479
- Aortic dissection
 - acute, exertion or emotion as inciting event for, 1470
 - subtle-discrete, of ascending aorta, clinical and anatomical characteristics of, 1314
- Aortic pseudocoarctation, stenotic congenitally bicuspid aortic valve and, 157
- Aortic regurgitation
 - aortic root size and prevalence in elite strength trained athletes of, 528
 - aortic valve replacement for aortic stenosis, valve structure and survival in octogenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) with or without, 489
 - aortic valve replacement for aortic stenosis, valve structure and survival in quadragenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) with or without, 1683
 - aortic valve replacement for aortic stenosis, valve structure and survival in quinquagenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) with or without, 1584
 - aortic valve replacement for aortic stenosis, valve structure and survival in septuagenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) with or without, 1157
 - aortic valve replacement for aortic stenosis, valve structure and survival in sexagenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) with or without, 1286
 - asymptomatic, ventricular long-axis contraction as earlier predictor of outcome in, 1677
 - chronic, accuracy of 64-slice computed tomography for preoperative detection of coronary artery disease in patients with, 701
- Aortic root, prevalence of aortic regurgitation in elite strength trained athletes and size of, 528
- Aortic valve
 - quadricuspid, diagnosed by echocardiography in two cases of identical twins, 1490
 - stenotic congenitally bicuspid, aortic pseudocoarctation and, 157
- Aortic valve replacement
 - for aortic stenosis (\pm aortic regurgitation), valve structure and survival in octogenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), 489
 - for aortic stenosis (\pm aortic regurgitation), valve structure and survival in quadragenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), 1683
 - for aortic stenosis (\pm aortic regurgitation), valve structure and survival in quinquagenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), 1584
 - for aortic stenosis (\pm aortic regurgitation), valve structure and survival in septuagenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), 1157
 - for aortic stenosis (\pm aortic regurgitation), valve structure and survival in sexagenarians with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), 1286

- Aorto-saphenous vein bypass, narrowing late after coronary artery bypass grafting, predictors of, 640
- Apheresis, low-density lipoprotein, inflammatory and noninflammatory HDL cholesterol and, 1416
- Apolipoprotein B/apolipoprotein A-I ratio, relation of age to risk of fatal myocardial infarction and implications for primary prevention of cardiovascular disease and, 217
- Arm, bone mineral composition changes after coronary artery bypass grafting at, 559 (Readers' Comments)
- Arrhythmias
 - complex ventricular, comparison of frequency of positive vs negative anti-Ro/SSA and connective tissue disease with, 1029
 - in endovascular vs open surgical repair of abdominal aortic aneurysms, comparison of incidences of cardiac events, myocardial infarction with, 1479
 - right ventricular, multidetector computed tomographic imaging role in evaluation of, 99
- Arrhythmic storm, as potential complication on opening the umbrella for percutaneous closure of interatrial communications, 1181
- Arrhythmogenic right ventricular dysplasia/cardiomyopathy, tissue Doppler and strain echocardiography utility in, 507
- Atherosclerosis Risk In Communities (ARIC) Study
 - electrocardiographic predictors of new-onset heart failure in men and in women free of coronary artery disease, 1437
 - prognostic significance of electrocardiographic QRS/T angles in predicting incident coronary artery disease and total mortality, 844
- Asians
 - in California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program (2003), clinical characteristics and 30-day mortality in, 59
 - with non-ST-segment elevation acute coronary syndromes, comparison of baseline characteristics, treatment patterns, and in-hospital outcomes of non-Asian White Americans with, from the CRUSADE Quality Improvement Initiative, 391
- Aspirin
 - dabigatran with or without, vs warfarin alone in nonvalvular atrial fibrillation (PETRO Study), 1419
 - in triple antiplatelet therapy (cilostazol, clopidogrel, and), effects on platelet aggregation and P-selectin expression in patients undergoing coronary artery stent implantation, 610
- Atenolol, rehospitalization risk in adults with heart failure, comparative effectiveness of metoprolol tartrate, carvedilol and, 690
- Atherogenic dyslipidemia, usefulness for predicting cardiovascular risk with angiographic coronary artery disease of, 1511
- Atherosclerosis
 - diabetes mellitus, haptoglobin phenotype and early signs of, 1767
 - pathobiologic determinants in youth risk score and 15-year change in risk score, association with carotid artery intima-media thickness in young adults of (from the Cardiovascular Risk in Young Finns Study), 1124
 - perindopril long-term effect on progression of (from the PERSPECTIVE Study), 159
 - risk in U.S. adults weighing \geq 300 pounds vs those weighing <300 pounds, 1651
 - subclinical
 - detection in young adults using non-high-density lipoprotein cholesterol vs other lipoprotein measures (The Bogalusa Heart Study), 64
 - in white men without clinical evidence of myocardial infarction, combined effect of high low-density lipoprotein cholesterol and metabolic syndrome on, 835
- Atherosclerosis Risk In Communities (ARIC) Study
 - electrocardiographic predictors of new-onset heart failure in men and in women free of coronary artery disease, 1437
 - prognostic significance of electrocardiographic QRS/T angles in predicting incident coronary artery disease and total mortality, 844
- Athletes
 - elite strength trained, aortic root size and prevalence of aortic regurgitation in, 528
 - Olympic weight lifters, left ventricular mass in, 1177
 - professional, myocardial deformation analysis in healthy subjects vs patients with hypertrophic cardiomyopathy vs, 128
- sudden cardiac death in, 1451 (Editor's Roundtable)
- U.S. high school student, preparticipation screening for cardiovascular disease in, 1709
- Atorvastatin
 - atherogenic lipid subclasses commonly associated with hypertriglyceridemia and increasing doses of, 445
 - preoperative, postoperative outcome and, 1185 (Readers' Comment)
 - rosuvastatin effectiveness on the achievement of combined C-reactive protein (<2 mg/L) and low-density lipoprotein cholesterol (<70 mg/dl) targets in patients with type 2 diabetes mellitus vs (from the ANDROMEDA Study), 1245
 - single 20-mg tablet, effect on brachial artery blood flow in normolipidemic male smokers vs nonsmokers, 881
 - very low low-density lipoprotein cholesterol levels induced by, safety and efficacy in coronary heart disease of (a Post Hoc Analysis of the Treating to New Targets [TNT] Study), 747
- Atrial fibrillation
 - ablation of, 677 (Editor's Roundtable)
 - after cardiac resynchronization therapy, burden of, 268
 - chronic vs normal sinus rhythm, and echocardiographic and hemodynamic findings in patients with mitral stenosis undergoing percutaneous mitral commissurotomy, 1153
 - comparison of rate vs rhythm control in patients with left ventricular dysfunction for (AFFIRM Study), 247
 - C-reactive protein levels during electrophysiologic study in patients who do and who do not develop, 1552
 - endotoxemia, inflammation, and, 986
 - long-term prognostic value of P-wave characteristics for development in subjects aged 55 to 74 years at baseline of, 850
 - new-onset
 - in acute myocardial infarction, C-reactive protein and, 753
 - frequency in patients on statins vs not on statins presenting with suspected acute coronary syndrome of, 404
 - nonvalvular
 - circulating levels of procoagulant microparticles in, 989
 - dabigatran with or without concomitant aspirin vs warfarin alone in patients with (PETRO Study), 1419
 - prediction of postoperative, preoperative echocardiography after isolated coronary artery bypass grafting and, 1383
- Atrial pressure, right, in end-stage heart failure, echocardiography reliability for hemodynamic assessment of, 998
- Atrioventricular node conduction pathways, in supraventricular tachycardia, differential effects of intravenous magnesium on, 1249
- Bare-metal stents, vs sirolimus-eluting stents
 - implantation in diseased saphenous vein grafts, intravascular ultrasound of (from the RRISC trial), 52
 - metabolic syndrome impact on angiographic and clinical events after coronary intervention using, 1347
- BARI Trial, effects of heart failure and diabetes mellitus on long-term mortality after coronary revascularization in, 196
- Beta-adrenergic blocking agents (beta blockers)
 - comparative effectiveness on rehospitalization risk in adults with heart failure of, 690
 - hypertension and, 253 (Editor's Roundtable)
 - meta-analysis to determine risk of new-onset diabetes mellitus of 94,492 patients with hypertension treated with, 1254
- Biomarkers
 - baseline cardiac troponin I in detection of coronary artery disease and, 764
 - serum inflammatory, and high-frequency vascular ultrasound usefulness to predict plaque rupture in patients with stable and unstable angina pectoris, 1341
 - in vascular disease, serum osteoprotegerin as, 561 (Readers' Comments)
- Bivalirudin, vs unfractionated heparin vs clopidogrel pretreatment and bivalirudin, comparison of platelet function and morphology in patients undergoing percutaneous coronary intervention receiving, 417
- Bleeding. *See* Hemorrhage

- Blood pressure
in adult men and women during exercise and sexual activity, 1795
ambulatory, valsartan alone vs simvastatin–valsartan combination effects on C-reactive protein, lipoproteins, and monocyte chemoattractant protein-1 in patients with hypertension and hyperlipidemia and, 222
jugular, simplifying estimation of, 1779
sildenafil and control of, 552 (Editorial)
systolic, prognostic significance of increases in men during exercise stress testing, 1609
- Body composition, left ventricular mass in Olympic weight lifters and, 1177
- Body mass index
coronary angioplasty in 1996 vs in 2006, age, frequency of systemic hypertension and diabetes mellitus and, 1224
early outcome and late survival in patients undergoing valve surgery and/or coronary artery bypass grafting and, 1702
medical therapies and invasive treatments for coronary artery disease and, “obesity paradox” in the Get With The Guidelines Database and, 1331
metabolic risk factors’ usefulness for prediction of 10-year risk of cardiovascular disease in women vs, 1654
platelet aggregation after administration of a high loading dose of 600 mg of clopidogrel before percutaneous coronary intervention and, 203
of >35, 31 to 35, and ≤30 kg/m², usefulness of B-type natriuretic peptide levels for predicting filling pressures in patients with, 1166
with vs without angiographic coronary artery disease and, 18
- Bogalusa Heart Study
relation of PCSK9 mutations to serum low-density lipoprotein cholesterol in childhood and adulthood, 69
subclinical atherosclerosis detection using non–high-density lipoprotein cholesterol vs other lipoprotein measures in young adults, 64
- Bone marrow mononuclear cells, autologous, intramyocardial injection in patients with chronic myocardial infarction and severe left ventricular dysfunction of, 1094
- Bone mineral composition, changes at the arm after coronary artery bypass grafting, 559 (Readers’ Comments)
- Brachytherapy, for bare metal in-stent restenosis, comparison of six-month angiographic and three-year outcomes of sirolimus-eluting stent implantation vs, 425
- Brugada electrocardiographic pattern, incidence and outcomes after intentional ingestion of tricyclic antidepressants, 656
- Brugada syndrome, comparison of long-term follow-up of electrocardiographic features between the SCN5A-positive probands and the SCN5A-negative probands in, 649
- Bundle branch block
left, device optimization for cardiac resynchronization therapy in, 1002
Mobitz II block misdiagnosis and, 1185 (Readers’ Comment)
- C-344-T, cardiac remodeling prediction in chronic systolic heart failure in African-Americans and non–African-Americans using, 285
- Cachexia, statins, coenzyme Q₁₀ supplementation, and, 1497 (Readers’ Comments)
- Calcium, coronary artery
ethnic differences in a healthy cohort aged 60 to 69 years, 981
flow-mediated dilation and C-reactive protein levels in asymptomatic patients with heterozygous familial hypercholesterolemia and, 1119
prognostic usefulness in men vs women (results from a meta- and pooled analysis estimating all-cause mortality and coronary heart disease death or myocardial infarction), 409
radiation and, 1495 (Readers’ Comments)
type 1 diabetes mellitus and progression of, 1543
- Carbon monoxide poisoning, clinical complexity of, 1184 (Readers’ Comment)
- Cardiac death, sudden. *See also* Mortality
in athletes, 1451 (Editor’s Roundtable)
preparticipation screening in U.S. high school student-athletes for cardiovascular disease and, 1709
statin treatment and risk of, 1644
- Cardiac events
adverse, coronary flow reserve immediately after primary coronary angioplasty for acute myocardial infarction and prediction of, 806
baseline predictors after cardiac resynchronization therapy in patients with heart failure secondary to ischemic or nonischemic etiology of, 464
in endovascular vs open surgical repair of abdominal aortic aneurysms, comparison of incidences of cardiac arrhythmias, myocardial infarction with, 1479
major adverse
after vascular surgery, statin withdrawal and frequency of, 316
atherogenic dyslipidemia usefulness in patients with angiographic coronary artery disease for predicting risk of, 1511
designation and distribution in Multicenter UnSustained Tachycardia Trial of, 76
drug-eluting stents for on-and off-label indications and, 1619
drug-eluting stents in the coronary artery of ST-elevation myocardial infarction patients at a single high-volume medical center and, 949
gender differences, metabolic syndrome, and diabetes mellitus impact on, 227
recurrent, in patients with Q-wave myocardial infarction, prognostic significance of fragmented QRS complex for predicting risk of, 583
stress cardiac single-photon emission computed tomographic usefulness late after percutaneous coronary intervention for assessment and temporal characteristics of, 436
- Cardiac resynchronization therapy, 1145 (Editor’s Roundtable)
atrial fibrillation burden after, 268
baseline left lateral wall postsystolic displacement assessed by M-mode to predict reverse remodeling by, 470
baseline predictors of cardiac events in patients with heart failure secondary to ischemic or nonischemic etiology after, 464
class II vs class III and IV heart failure and (from the InSync/InSync ICD Italian Registry), 1007
high-speed rotational coronary venous angiography usefulness during, 1561
lead position-dependent remodeling in, 1671
multislice computed tomography for preprocedural evaluation before revision of chronically implanted transvenous left ventricular lead for, 1566
in patients with end-stage heart failure, QRS duration usefulness for prediction of, 1665
in patients with end-stage inotrope-dependent class IV heart failure, 90
in patients with heart failure and left bundle branch block, device optimization for, 1002
response prediction using ventricular dyssynchrony measured by M-mode echocardiography, 84
right ventricular function following, 1434
tissue Doppler velocity and strain dyssynchrony usefulness for predicting left ventricular reverse remodeling response after, 1263
tripane tissue Doppler imaging usefulness to predict acute response to, 476
- Cardiac vein, anterior, anastomosis to the internal mammary artery, 337
- Cardiogenic shock, complicating percutaneous coronary intervention treatment for ST-elevation myocardial infarction and, prehospital triage usefulness in, 787
- Cardiography, acoustic, B-type natriuretic peptide levels in suspected heart failure, usefulness to resolve ambiguous values of, 866
- Cardiologists, radiologists’ interpretation practices of cardiac and noncardiac findings from coronary computed tomographic angiography vs, 1782
- Cardiomyopathy
arrhythmogenic right ventricular, multidetector computed tomographic imaging role in evaluation of, 99
arrhythmogenic right ventricular dysplasia, tissue Doppler and strain echocardiography utility in, 507
comparison of survival in patients with connective tissue disease (systemic sclerosis, systemic lupus erythematosus, and undifferentiated disease) and, 513
hypertrophic (*See* Hypertrophic cardiomyopathy)
idiopathic dilated, acute effect of esmolol intravenously on coronary microcirculation in patients with, 1299
ischemic, microvolt T-wave alternans usefulness for predicting outcome in patients with and without defibrillators with, 598
ischemic or idiopathic dilated, severity of chronic heart failure secondary to, relation between CD4⁺ T-cell activation and, 483
peripartum, incidence, mortality, and racial differences in, 302

- Takotsubo, in women with, serial electrocardiographic findings in, 106
- Takotsubo (transient left ventricular apical ballooning syndrome) clinical features and cardiac MRI usefulness in assessing myocardial viability and prognosis in, 296
- Cardiovascular disease
- age and apolipoprotein B/apolipoprotein A-I ratio relation to risk of fatal myocardial infarction and implications for primary prevention of, 217
 - cocaine and, 1040
 - metabolic syndrome in middle-aged Chinese without central obesity, and ten-year risk of, 835
 - postprandial hyperglycemia/hyperlipidemia (postprandial dysmetabolism) as risk factor for, 899
 - prediction among nondiabetics, fasting blood glucose and (from the Northern Manhattan Study), 1404
 - prediction of 10-year risk in women, body mass index vs metabolic risk factors usefulness for, 1654
 - preparticipation screening U.S. high school student-athletes for, 1709
 - prevention, cost and effectiveness of Screening for Heart Attack Prevention and Education (SHAPE), 1492 (Readers' Comments), *Reply*, 1494
- Cardiovascular drugs, ten-year trends of use after myocardial infarction among community-dwelling persons ≥ 65 years of age of, 1061
- Cardiovascular Risk in Young Finns Study, association of pathobiologic determinants of atherosclerosis in youth risk score and 15-year change in risk score with carotid artery intima-media thickness in young adults, 1124
- Carotid artery disease, left main disease of peripheral arterial disease and, 1087
- Carotid artery intima-media thickness, in young adults, association of pathobiologic determinants of atherosclerosis in youth risk score and 15-year change in risk score with (from the Cardiovascular Risk in Young Finns Study), 1124
- Carvedilol, rehospitalization risk in adults with heart failure, comparative effectiveness of metoprolol tartrate, atenolol and, 690
- Catecholamine, toxic levels of, isolated left ventricular basal ballooning in young women with "inverted Takotsubo" pattern related to, 1496 (Readers' Comments)
- Caucasians. *See also* European Americans; Whites
- clinical characteristics and 30-day mortality in the 2003 California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program, 59
- CD4+ T-cells, activation of, relation between severity of chronic heart failure secondary to ischemic or idiopathic dilated cardiomyopathy and, 483
- Chest pain
- electrocardiographic exercise testing vs early dobutamine stress echocardiography for management of patients presenting to emergency department with, 1068
 - patients with vs without diabetes mellitus, pharmacologic stress echocardiography in patients with positive exercise electrocardiography and, 1744
 - of possible myocardial ischemic origin, 64-slice multidetector computed tomographic angiography impact on clinical decision-making for emergency department patients with, 1522
- Children
- asymptomatic, ventricular systolic reserve previously treated with low doses of anthracyclines in, 1303
 - with congenital heart disease, computed tomographic imaging of coronary artery diameters in, 1696
 - with LEOPARD syndrome, prevalence and clinical significance of cardiac abnormalities in, 736
 - serum low-density lipoprotein cholesterol levels in, PCSK9 mutations and (The Bogalusa Heart Study), 69
- Chinese
- at high risk of coronary artery disease, homocystinemia as independent risk factor in, 455
 - hypertrophic cardiomyopathy in, 145 (Editorial)
 - middle-aged, without central obesity, ten-year cardiovascular disease risk with metabolic syndrome in, 835
- Cholesterol
- high-density lipoprotein (*See* High-density lipoprotein cholesterol)
 - low-density lipoprotein (*See* Low-density lipoprotein cholesterol)
- non-high-density lipoprotein vs other lipoprotein measures in detecting subclinical atherosclerosis in young adults (The Bogalusa Heart Study), 64
- Cilostazol, in triple antiplatelet therapy (aspirin, clopidogrel, and), effects on platelet aggregation and P-selectin expression in patients undergoing coronary artery stent implantation, 610
- Circadian rhythm, distributions of ventricular arrhythmias with implantable cardioverter defibrillators and, 1134
- Circulatory Device Advisory Panel, on patent foramen ovale closure devices, 905 (Editorial)
- Clinical Outcomes Utilizing Revascularization and Aggressive Drug Evaluation (COURAGE) Trial
- corrected values for duration and frequency of angina at baseline in, 1604
 - ischemic threshold for percutaneous coronary intervention benefit in, 1495 (Readers' Comments)
 - medical therapy for secondary coronary artery disease prevention, 1808 (Editorial)
- Clinical trials
- BleedScore proposal, 560 (Readers' Comments)
 - on clopidogrel resistance, need for, 1044 (Editorial)
- Clopidogrel
- high loading dose in patients undergoing percutaneous coronary intervention, meta-analysis of, 1199
 - high loading dose of 600 mg before percutaneous coronary intervention, impact of body mass index on platelet aggregation after administration of, 203
 - pretreatment and bivalirudin vs bivalirudin vs unfractionated heparin, comparison of platelet function and morphology in patients undergoing percutaneous coronary intervention receiving, 417
 - resistance to, lack of evidence regarding, 1044 (Editorial)
 - speed of onset of platelet inhibition after loading doses in healthy volunteers and association of pharmacodynamic response to, 331
 - in triple antiplatelet therapy (cilostazol, aspirin, and), effects on platelet aggregation and P-selectin expression in patients undergoing coronary artery stent implantation, 610
- Cocaine
- cardiovascular toxicity of, 1040
 - death rate for, 1184 (Readers' Comment)
- Coenzyme Q₁₀ supplementation
- simvastatin-induced myalgia and, 1400
 - statins, cachexia, and, 1497 (Readers' Comments)
- Colorimetry, quantitative, high yellow color intensity to identify high-risk features in culprit lesions of patients with acute coronary syndrome by coronary angiography with, 1207
- Complement C4, serum levels of, usefulness as stroke predictor in patients with known or suspected coronary artery disease referred for coronary angiography, 164
- Complement factor H, genetic profile for predicting myocardial infarction, usefulness of combining C-reactive protein genetic profile with (from the Rotterdam Study), 646
- Computed tomography. *See also* Coronary angiography
- comparison of two ultrasound devices for diagnosis of abdominal aortic aneurysms using, 1786
 - of coronary artery diameters in infants and children with congenital heart disease, 1696
 - dual-source, cardiac imaging usefulness in an unselected population with high prevalence of coronary artery disease, 587
 - multidetector, evolving role in evaluation of arrhythmogenic right ventricular dysplasia/cardiomyopathy of, 99
 - multislice
 - preprocedural evaluation of chronically implanted transvenous left ventricular lead using, 1566
 - prevalence of increased ascending and descending thoracic aorta diameter in men vs women and in persons aged 23 to 50 years, 51 to 65 years, 66 to 80 years, and 81 to 88 years diagnosed by, 1598
 - 64-slice, accuracy of, for preoperative detection of coronary artery disease in patients with chronic aortic regurgitation, 701
 - 64-slice multidetector
 - for detection of phrenic nerves and their relation to cardiac anatomy, 133
 - drug-eluting in-stent restenosis detection with, 1754

- evaluation of myocardial bridging of left anterior descending coronary artery by, 1081
- stress cardiac single-photon emission
for interpretive reproducibility, dobutamine echocardiography compared with, 1239
usefulness late after percutaneous coronary intervention for assessing cardiac events and time to such events, 436
- weight limits of tables used for, atherosclerotic risk in U.S. adults weighing ≥ 300 pounds vs those weighing < 300 pounds and, 1651
- Congenital heart disease. *See also* Hypertrophic cardiomyopathy
brain natriuretic peptide and myocardial performance index in adults with, 110
complex, magnetic resonance angiography usefulness in evaluation in newborns and infants of, 715
computed tomographic imaging of coronary artery diameters in infants and children with, 1696
dextrocardia, outcomes associated with, population-based study of, 305
quadricuspid aortic valve diagnosed by echocardiography in two cases of identical twins, 1490
relation of brain natriuretic peptide to myocardial performance index in adults with, 106
surgery for, prevalence of hepatitis C infection in adults prior to screening in 1992, 1307
- Congenital heart malformation
in LEOPARD syndrome, prevalence and clinical significance of, 736
stenotic bicuspid aortic valve and aortic pseudocoarctation due to, 157
- Connective tissue disease
frequency of complex ventricular arrhythmias in patients with positive vs negative anti-Ro/SSA and, 1029
survival in patients with cardiomyopathy vs, 513
- Consciousness, loss of, transient, quality of life within one year following presentation after, 672
- Contrast agents, real-time three-dimensional echocardiography for analysis of systolic left ventricular function enhanced with vs not enhanced with, 1485
- Contrast-induced nephropathy, 544 (Editor's Roundtable)
- Coronary angiography
after sirolimus-eluting stent implantation vs brachytherapy for bare metal in-stent restenosis, comparison of six-month and three-year outcomes of, 425
of anatomic relation of coronary arteries to mitral and tricuspid annulus, implications for radiofrequency ablation and, 666
baseline levels and cardiovascular outcomes in men with acute coronary syndrome referred for, 1739
of coronary artery disease, body mass index and, 18
complement C4 usefulness as stroke predictor in patients with known or suspected coronary artery disease referred for, 164
computed tomographic
response to Tobis critique of, 1329 (Readers' Comments)
specialty physician interpretation practices of cardiac and noncardiac findings from, 1782
gadodiamide and iodine mixture vs iodinated contrast alone usefulness for prevention of contrast-induced nephropathy in patients with chronic kidney disease undergoing, 1090
of long-term outcomes of treatment of unprotected left main coronary artery stenosis with sirolimus-eluting stents, 431
magnetic resonance
assessment of chronic heart failure, epidemiology, associated factors, and prognostic outcomes of renal artery stenosis in, 273
complex congenital heart disease evaluation in newborns and infants using, 715
meta-analysis of intravascular ultrasound parameters of drug-eluting stent efficacy vs (from TAXUS IV, V, and VI), 621
metabolic syndrome impact after coronary intervention using bare metal stents or sirolimus-eluting stents on clinical events and, 1347
of no-reflow phenomenon during stent implantation in ST-elevation myocardial infarction patients, preprocedural N-terminal pro-brain natriuretic peptide usefulness in predicting, 631
the π sign as an indicator of aberrant origin of obtuse marginal coronary artery in, 180
- with quantitative colorimetry, high yellow color intensity to identify high-risk features in culprit lesions of patients with acute coronary syndrome by, 1207
- 64-slice multidetector computed tomographic
clinical decision-making in emergency department patients with chest pain of possible myocardial ischemic origin and, 1522
evaluation of myocardial bridging of left anterior descending coronary artery by, 1081
intermediate risk of coronary artery disease after myocardial perfusion stress imaging, and diagnostic usefulness of, 1605
in women vs men with angina pectoris, diagnostic accuracy of, 1532
for suspected coronary artery disease
moderate or severe reduction in glomerular filtration rate relation to number of coronary arteries narrowed $> 50\%$ in patients undergoing, 415
obstructive coronary artery disease prevalence in patients with and without prior stroke undergoing, 960
venous, high-speed rotational, during cardiac resynchronization therapy, 1561
- Coronary angioplasty
age, body mass index, and frequency of systemic hypertension and diabetes mellitus comparison in 1996 vs in 2006, 1224
primary, for acute myocardial infarction, coronary flow reserve immediately after, prediction of long-term adverse cardiac events and, 806
primary, for acute myocardial infarction, infarct size predictors after, from pooled analysis of four contemporary trials, 1370
primary, relation between neutrophil counts on admission, microvascular injury, and left ventricular functional recovery with an anterior wall first acute myocardial infarction treated with, 35
- Coronary arteries
aberrant right subclavian, in an 84-year-old man, aneurysmal diverticulum of Kommerell and, 556
anatomic relation to mitral and tricuspid annulus, angiographic analysis of, radiofrequency ablation and, 666
ethnic differences in a healthy cohort aged 60 to 69 years of calcium in, 981
left anterior descending, evaluation of myocardial bridging by 64-slice multidetector computed tomographic angiography of, 1081
number of narrowed, relation to moderate or severe reduction in glomerular filtration rate $> 50\%$ in patients undergoing coronary angiography for suspected coronary artery disease, 415
obtuse marginal, the π sign as an indicator of aberrant origin of, 180
percent diameter stenosis, impact of iodinated contrast injections on, intracoronary pharmacotherapies trials in ST-elevation myocardial infarction patients and, 13
ST-elevation myocardial infarction patients at a single high-volume medical center, safety of drug-eluting stents in, 949
- Coronary artery bypass grafting
body mass index impact on early outcome and late survival in patients undergoing valve surgery and/or, 1702
changes in bone mineral composition at the arm after, 559 (Readers' Comments)
clinical and angiographic correlates of short- and long-term mortality in patients undergoing, 1538
clinical characteristics and 30-day mortality among Caucasians, Hispanics, Asians, and African-Americans in the 2003 California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program, 59
glucagon-like peptide-1 effect on glycemic control and left ventricular function in patients undergoing, 824
isolated, preoperative echocardiography for prediction of postoperative atrial fibrillation following, 1383
in nonagenarians, temporal trends in outcomes for, 1993 to 1999, 1630
predictors of aorto-saphenous vein bypass narrowing late after, 640
renoprotective effect of preoperative statins in, 442
valve structure and survival in octogenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without, 489
valve structure and survival in quadragenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without, 1683

- valve structure and survival in quinquagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without, 1584
- valve structure and survival in septuagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without, 1157
- valve structure and survival in sexagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) at a single US medical center (1993 to 2005) with vs without, 1286
- Coronary artery disease
- accuracy of N-terminal pro-brain natriuretic peptide to predict mortality in various subsets of patients with, 575
 - angiographic
 - atherogenic dyslipidemia usefulness for predicting cardiovascular risk with, 1511
 - body mass index in patients with vs without, 18
 - body mass index and medical therapies and invasive treatments for, "obesity paradox" in the Get With The Guidelines Database and, 1331
 - chronic stable angina pectoris, 1635 (Editor's Roundtable)
 - combined statins and renin-angiotensin system inhibitors vs statins alone or renin-angiotensin system inhibitors alone for, from Japanese Coronary Artery Disease Study, 1750
 - Electrocardiographic responses to deer hunting activities in men with and without, 175
 - high molecular weight adiponectin as a predictor of long-term clinical outcome in patients with, 569
 - historical reflection on Massing report on premature ventricular complexes and, 911 (Readers' Comments)
 - homocystinemia as an independent risk factor in the Chinese population at high risk of, 455
 - known or suspected, complement C4 usefulness as stroke predictor in patients referred for coronary angiography in, 164
 - left anterior descending, prognostic value of coronary flow reserve in medically treated patients with stenosis 51% to 75% in diameter with, 1527
 - long-term clinical outcomes and thrombosis rates of sirolimus- vs paclitaxel-eluting stents in an unselected population with, 45
 - losartan effect on exercise-induced myocardial ischemia and, 1517
 - metabolic syndrome components in African-Americans and European-American patients and its relation to, 830
 - multislice computed tomographic coronary angiography diagnostic usefulness after myocardial perfusion stress imaging in intermediate risk patients for, 1605
 - noninvasive cardiac imaging using dual-source computed tomographic imaging usefulness in an unselected population with high prevalence of, 587
 - plasma tissue inhibitor of metalloproteinase-1 and matrix metalloproteinase-12 levels and severity and outcome of, 23
 - predicting mortality after coronary artery bypass grafting in, 1538
 - premature, incidence in siblings of, 10 years of follow-up, 1410
 - 64-slice computed tomographic accuracy for preoperative detection in patients with chronic aortic regurgitation of, 701
 - suspected
 - prevalence of obstructive coronary artery disease in patients with and without prior stroke undergoing coronary angiography for, 960
 - relation of moderate or severe reduction in glomerular filtration rate to number of coronary arteries narrowed $>50\%$ in patients undergoing coronary angiography for, 415
 - targeted rather than population based screening with C-reactive protein using National Health and Nutrition Examination Survey (1999 to 2002) for, 1130
 - troponin levels detectable below the 99th percentile of the normal range and prediction of, 764
 - unprotected left main, comparison of drug-eluting stents vs surgery for, 970
- Coronary artery stent implantation. *See* Stenting
- Coronary atherosclerosis. *See* Atherosclerosis
- Coronary flow reserve
- immediately after primary coronary angioplasty for acute myocardial infarction, prediction of long-term adverse cardiac events and, 806
 - prognostic value in medically treated patients with left anterior descending coronary artery disease with stenosis 51% to 75% in diameter of, 1527
- Coronary heart disease
- atorvastatin-induced very low low-density lipoprotein cholesterol levels in, safety and efficacy of (a Post Hoc Analysis of the Treating to New Targets [TNT] Study), 747
 - COURAGE Trial and medical therapy for secondary prevention of, 1808 (Editorial)
 - documented or risk equivalent, with controlled low-density lipoprotein cholesterol and prevalence of low HDL cholesterol in, 1499
 - electrocardiographic predictors of new-onset heart failure in men and in women free of (from the Atherosclerosis In Communities [ARIC] Study), 1437
 - peripheral-blood dendritic cells in men with, 593
- Coronary microcirculation
- acute effect of intravenous esmolol in idiopathic dilated cardiomyopathy on, 1299
 - damage in smokers vs nonsmokers with vasospastic angina pectoris to, 962
- Coronary revascularization
- with diabetes mellitus, retinopathy as selection guide for an appropriate method for, 1330 (Readers' Comments)
 - heart failure and diabetes mellitus effects on long-term mortality after (from the BARI Trial), 196
- Coronary spasm, frequency in Korean patients with vs without myocardial bridging, 1083
- Corrections, 562, 746, 1186, 1604
- Costs. *See* Health care costs
- C-reactive protein
- in asymptomatic patients with heterozygous familial hypercholesterolemia, relation of coronary artery calcium to flow-mediated dilation and, 1119
 - atrial fibrillation during electrophysiologic study and, 1552
 - atrial fibrillation in acute myocardial infarction, relation of new-onset to, 753
 - elevated high-sensitivity, statin therapy with low low-density lipoprotein cholesterol and, in the JUPITER Trial, 1659
 - genetic profile for predicting myocardial infarction, usefulness of combining complement factor H genetic profile with (from the Rotterdam Study), 646
 - pravastatin withdrawal effect on low-density lipoprotein cholesterol and, 1548
 - targeted rather than population-based screening using National Health and Nutrition Examination Survey (1999 to 2002) with, 1130
 - (<2 mg/L), rosuvastatin vs atorvastatin effectiveness in patients with type 2 diabetes mellitus in achievement of combined targets of low-density lipoprotein cholesterol (<70 mg/dl) and (from the ANDROMEDA Study), 1245
 - uric acid usefulness to predict changes in 3-year period in Italians aged 21 to 98 years in IL-6 and, 115
 - valsartan alone vs simvastatin/valsartan combination effects on ambulatory blood pressure, lipoproteins, and monocyte chemoattractant protein-1 in patients with hypertension and hyperlipidemia and, 222
- CRUSADE Quality Improvement Initiative, comparison of baseline characteristics, treatment patterns, and in-hospital outcomes of Asian vs non-Asian White Americans with non-ST-segment elevation acute coronary syndromes from, 391
- Dabigatran, with or without concomitant aspirin vs warfarin alone in patients with nonvalvular atrial fibrillation (PETRO Study), 1419
- Danish Trial in Acute Myocardial Infarction-2 Substudy
- prevalence and prognostic implications of ST-segment deviations from ambulatory Holter monitoring after ST-elevation myocardial infarction treated with either fibrinolysis or primary percutaneous coronary intervention, 937
 - prognostic evaluation by clinical exercise test scores in patients treated with primary percutaneous coronary intervention vs fibrinolysis for acute myocardial infarction, 1074
- Day, time of, distributions of ventricular arrhythmias with implantable cardioverter defibrillators and, 1134
- Death. *See* Cardiac death, sudden; Mortality
- DECLARE-Long Trial, triple vs dual antiplatelet therapy after implantation of drug-eluting stents, 1103
- Deer hunting, electrocardiographic responses in men with and without coronary artery disease to, 175

- Defibrillators
- implantable cardioverter, after myocardial infarction, electrophysiologic study vs N-terminal pro-brain natriuretic peptide for predicting future outcomes in patients with, 635
 - implantable-cardioverter, among patients with prior myocardial infarction and ejection fraction of $\leq 35\%$, racial disparity in the utilization of, 924
 - implantable cardioverter, circadian, daily, and seasonal distributions of ventricular tachyarrhythmias in patients with, 1134
 - microvolt T-wave alternans usefulness for predicting outcome in patients with ischemic cardiomyopathy with and without, 598
- Dendritic cells, peripheral-blood, in men with coronary artery disease, 593
- Depression, in patients with obstructive hypertrophic cardiomyopathy three months after alcohol septal ablation, anxiety, quality of life, and, 1592
- Dextrocardia, population-based study of cardiac malformations and outcomes associated with, 305
- Diabetes mellitus
- coronary angioplasty in 1996 vs in 2006, age, body mass index, frequency of systemic hypertension and, 1224
 - gender differences and metabolic syndrome impact on cardiovascular events with, 227
 - haptoglobin phenotype and early vascular changes in, 1767
 - heart failure effects on long-term mortality after coronary revascularization and (from the BARI Trial), 196
 - in-stent restenosis and patient outcome predictors after percutaneous coronary intervention in patients with, 777
 - myocardial reperfusion in ST-elevation myocardial infarction patients undergoing percutaneous coronary intervention with vs without (from the EMERALD Trial), 206
 - new-onset, meta-analysis of 94,492 patients with hypertension treated with beta blockers to determine risk of, 1254
 - N-terminal pro-brain natriuretic peptide testing for diagnostic and prognostic evaluation of dyspneic patients with seen in the emergency department with (from the PRIDE Study), 1336
 - pharmacologic stress echocardiography in chest pain patients with positive exercise electrocardiography and with vs without, 1744
 - retinopathy as selection guide for an appropriate coronary revascularization treatment in patients with, 1330 (Readers' Comments)
 - sirolimus-eluting stenting in nondiabetic patients comparison of those with, and comparison of insulin vs non-insulin therapy for, 1187
 - type 1, progression of coronary artery calcium in, 1543
 - type 2
 - heart rate variability and heart rate turbulence in patients with vs without cardiac autonomic neuropathy and, 890
 - rosuvastatin vs atorvastatin effectiveness on the achievement of combined C-reactive protein (< 2 mg/L) and low-density lipoprotein cholesterol (< 70 mg/dl) targets in (from the ANDROMEDA Study), 1245
- Dietitians, onsite counseling on weight loss and lipid levels in an outpatient physician office by, 73
- Digoxin, discontinuation vs continuation at low serum concentrations in chronic heart failure, 280
- Dilation. *See* Vasodilation
- Distal embolic protection, in saphenous vein grafts (analysis of 19,546 patients in the American College of Cardiology–National Cardiovascular Data Registry), 1114
- Diverticulum of Kommerell, aneurysmal, aberrant right subclavian artery in an 84-year-old man from, 556
- Dobutamine, stimulation in patients with left ventricular apical ballooning syndrome with, 1600
- Dofetilide, risk factors and predictors of Torsade de pointes ventricular tachycardia in patients with left ventricular systolic dysfunction receiving, 876
- Doppler imaging. *See* Tissue Doppler imaging
- Drug-eluting stents. *See* Stents, drug-eluting
- Drug events, adverse, in hospitalized cardiac patients, 1465
- Dyspnea, N-terminal pro-brain natriuretic peptide testing for diagnostic and prognostic evaluation of patients seen with diabetes mellitus in the emergency department with (from the PRIDE Study), 1336
- Early diastolic mitral annulus velocity, onset of, time interval between onset of early transmitral flow velocity and onset of, for evaluation of left ventricular end-diastolic pressure in patients with normal systolic function and indeterminate E/E' ratio, 326
- Early transmitral flow velocity, onset of, time interval between onset of early diastolic mitral annulus velocity and onset of, for evaluation of left ventricular end-diastolic pressure in patients with normal systolic function and indeterminate E/E' ratio, 326
- Echocardiogram
- dobutamine stress, for interpretive reproducibility, stress single-photon emission computed tomography compared with, 1239
 - transthoracic, quantitative estimation of left atrial linear dimension using an electrocardiographic formulaic assessment on, 894
- Echocardiography. *See also* Tissue Doppler imaging
- in centenarians, characteristics of, 1792
 - early dobutamine stress, exercise electrocardiographic testing for management of patients presenting to the emergency department with chest pain vs, 1068
 - early hypertension and left ventricular diastolic function measures with, 1771
 - major outcomes with suspected heart failure prediction and, 870
 - mitral stenosis patients undergoing percutaneous mitral commissurotomy comparing those with chronic atrial fibrillation vs those with normal sinus rhythm, 1153
- M-mode
- of baseline left lateral wall postsystolic displacement and prediction of reverse remodeling by cardiac resynchronization therapy, 470
 - ventricular dyssynchrony measured by, prediction of resynchronization therapy response and, 84
- myocardial contrast, two- vs three-dimensional, for assessing subendocardial perfusion abnormality after percutaneous coronary intervention in acute myocardial infarction patients, 1502
- preoperative, for prediction of postoperative atrial fibrillation after isolated coronary artery bypass grafting, 1383
- real-time three-dimensional, comparison of contrast agent–enhanced vs non-contrast agent–enhanced, for analysis of systolic left ventricular function, 1485
- regional myocardial performance index for diagnosis of pulmonary embolism in patients with signs of pulmonary hypertension, 744 (Readers' Comments)
- reliability for hemodynamic assessment of end-stage heart failure, 998
- strain, in arrhythmogenic right ventricular dysplasia/cardiomyopathy, utility of tissue Doppler and, 507
- stress
- in chest pain patients with positive exercise electrocardiography and with vs without diabetes mellitus, 1744
 - left ventricular hypertrophy risk stratification and prognosis usefulness, 536
 - quantitative assessment of mitral regurgitation severity in a multicenter clinical trial of percutaneous mitral valve repair using, 1577
 - three-dimensional, of lead positioning for long-term benefit of cardiac resynchronization therapy, 1671
 - transesophageal, characterization of valvular heart disease in rheumatoid arthritis by clinical correlates and, 496
 - two-dimensional tracking method, 744 (Readers' Comments)
- Ecstasy, abuse of, possible association between valvular heart disease and, 1442
- E/E' ratio. *See also* Time interval between onset of early transmitral flow velocity and onset of early diastolic velocity
- mitral, diagnostic usefulness and prognostic implications in patients with heart failure and severe secondary mitral regurgitation of, 860
- Ejection fractions
- left ventricular
 - preserved, disparate effects on mortality of left ventricular geometry and obesity in patients with, 1460
 - $\leq 30\%$ after percutaneous coronary intervention for ST-elevation myocardial infarction, mortality with, 793
 - of $\leq 35\%$, racial disparity in the utilization of implantable-cardioverter defibrillators among patients with prior myocardial infarction and, 924
- Electrocardiogram
- admission, differences between local hospital and core laboratory interpretation of, in patients with acute coronary syndrome and their relation to outcome, 169

- Brugada pattern incidence and outcomes after intentional tricyclic antidepressant ingestion, 656
- negative exercise, comparison of prognostic value of stress-recovery index vs standard electrocardiographic criteria in patients with, 605
- presenting, characteristics and outcome of patients with acute myocardial infarction according to (from the MONICA/KORA Augsburg Myocardial Infarction – Registry), 1056
- Electrocardiography**
- in acute aortic syndrome patients, frequency, determinants, and clinical relevance of acute coronary syndrome-like findings, 1013
 - after deer hunting activities in men with and without coronary artery disease, 175
 - exercise, prognostic value of pharmacologic stress echocardiography in chest pain patients with vs without diabetes mellitus compared to, 1744
 - long-term follow-up, of Brugada syndrome, SCN5A-positive probands vs SCN5A-negative probands in, 649
 - long-term prognostic value of P-wave characteristics for development of atrial fibrillation in subjects aged 55 to 74 years at baseline, 850
 - new-onset heart failure predictors in men and in women free of coronary artery disease using (from the Atherosclerosis In Communities [ARIC] Study), 1437
 - of QRS/T angles, comparison of prognostic significance in predicting incident coronary artery disease and total mortality of (from the Atherosclerosis In Communities [ARIC] Study), 844
 - quadricuspid aortic valve in two cases of identical twins diagnosed by, 1490
 - scoring system for acute pulmonary embolism, short-term outcomes and, 1172
 - ST depression, quantitative assessment of, for predicting new-onset heart failure in American Indians, (from the Strong Heart Study), 94
 - women with Takotsubo cardiomyopathy, serial findings in, 106
- Electrophysiologic study**, C-reactive protein levels in patients who do and who do not develop atrial fibrillation during, 1552
- Embolism**. *See* Pulmonary embolism
- EMERALD Trial**, comparison of myocardial reperfusion in ST-elevation myocardial infarction patients undergoing percutaneous coronary intervention with vs without diabetes mellitus, 206
- Emergency department**
- 64-slice multidetector computed tomographic angiography impact on clinical decision-making in patients with chest pain of possible myocardial ischemic origin in, 1522
 - electrocardiographic exercise testing vs early dobutamine stress echocardiography for management of patients with chest pain presenting to, 1068
 - N-terminal pro-brain natriuretic peptide testing for diagnostic and prognostic evaluation of dyspneic patients with seen in the emergency department with diabetes mellitus in (from the PRIDE Study), 1336
- Emotion**, as inciting event for acute aortic dissection, 1470
- ENDEAVOR II Trial**, detailed intravascular ultrasound analysis of zotarolimus-eluting phosphorylcholine-coated cobalt-chromium alloy stent in de novo coronary lesions, 818
- Endocarditis**, infective
- extracardiac manifestations and their historical descriptions of, 1802
 - in Taiwanese adults, native values and epidemiologic features of, 1282
- Endothelial progenitor cells**, circulating, colony forming capacity in healthy subjects, 559 (Readers' Comments)
- Endotoxemia**, inflammation, atrial fibrillation, and, 986
- End-stage renal disease**, predictors of survival in patients evaluated for kidney transplantation with, 1020
- Enoxaparin**
- thrombocytopenia after acute coronary syndrome, treatment with unfractionated heparin vs, 1734
- Enoxaparin**, reduced-dose, effectiveness and safety in non-ST-segment elevation acute coronary syndrome after antiplatelet therapy alone for percutaneous coronary intervention, 1376
- Erectile dysfunction**
- blood pressure control and sildenafil treatment for, 552 (Editorial)
 - treatment of, systolic hypertension management and, 459
- Esmolol**, intravenous, acute effect on coronary microcirculation in idiopathic dilated cardiomyopathy of, 1299
- Ethnic characteristics**
- clinical characteristics and 30-day mortality in the 2003 California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program, 59
 - coronary artery calcium in a healthy cohort aged 60 to 69 years and, 981
 - rehospitalization with heart failure, symptom stability and, 1139
- European Americans**. *See also* Caucasians; Whites
- metabolic syndrome components and coronary artery disease in, 830
- Evaluation Study of Congestive Heart Failure and Pulmonary Artery Catheterization Effectiveness Trial**, rapid assay brain natriuretic peptide and troponin I in patients hospitalized with decompensated heart failure, 1427
- Evidence-based medicine**, use in acute coronary syndrome, 1
- Exercise**
- heart rate and blood pressure in men and women during, 1795
 - training amount and intensity, metabolic syndrome and, Studies of a Targeted Risk Reduction Intervention through Defined Exercise [STRRIDE] data on, 1759
- Exercise capacity**, in patients with surgically repaired tetralogy of Fallot, cardiac MRI correlates of, 1446
- Exercise testing**
- clinical, prognostic evaluation in patients treated with primary percutaneous coronary intervention or fibrinolysis for acute myocardial infarction by (a Danish Trial in Acute Myocardial Infarction-2 Sub-Study), 1074
 - electrocardiographic, early dobutamine stress echocardiography for management of patients presenting to emergency department with chest pain vs, 1068
 - prognostic significance of systolic blood pressure increases in men during, 1609
 - tolerance, prognostic value in asymptomatic chronic nonischemic mitral regurgitation of, 1274
- Exertion**, as inciting event for acute aortic dissection, 1470
- Extension to African-American Heart Failure Trial**, evidence for continued safety and tolerability of fixed-dose isosorbide dinitrate/hydralazine in patients with chronic heart failure, 684
- Ezetimibe/simvastatin therapy**, tendon rupture and, 152
- Fatty acids**, free, modified glucose-insulin-potassium effect in ST-elevation myocardial infarction patients on matrix metalloproteinases, myoglobin, and, 1614
- Fetal complete heart block**, heart rate acceleration patterns and atrial and ventricular rate response during maternal-fetal terbutaline treatment for, 656
- Fibrinolysis**
- impact of delay in door-to-needle time on mortality in ST-elevation myocardial infarction patients receiving, 1227
 - prevalence and prognostic implications of ST-segment deviations from ambulatory Holter monitoring after ST-elevation myocardial infarction treated with either primary percutaneous coronary intervention or (a Danish Trial in Acute Myocardial Infarction-2 Substudy), 937
 - prognostic evaluation by clinical exercise test scores in patients treated with primary percutaneous coronary intervention for acute myocardial infarction vs (a Danish Trial in Acute Myocardial Infarction-2 Sub-Study), 1074
- Framingham Heart Study**, relation of season and temperature to endothelium-dependent flow-mediated vasodilation in subjects without clinical evidence of cardiovascular disease, 518
- Gadodiamide and iodine mixture**, vs iodinated contrast alone usefulness for prevention of contrast-induced nephropathy in patients with chronic kidney disease undergoing coronary angiography of, 1090
- Gender differences**. *See also* Men; Women
- comparison of prognostic usefulness of coronary artery calcium and (results from a meta- and pooled analysis estimating all-cause mortality and coronary heart disease death or myocardial infarction), 409
 - impact on cardiovascular events of metabolic syndrome, diabetes mellitus and, 227
 - intravascular ultrasonic study in ruptured coronary plaque morphology and its associated clinical presentation of, 185
 - long-term prognostic value of peak oxygen consumption with heart failure and severely impaired left ventricular systolic function, 291

- prevalence of increased ascending and descending thoracic aorta diameter diagnosed by multislice cardiac computed tomography in persons aged 23 to 50 years, 51 to 65 years, 66 to 80 years, and 81 to 88 years and, 1598
- rehospitalization with heart failure, symptom stability and, 1139
- Gene polymorphisms, C-344-T usefulness to predict cardiac remodeling in chronic systolic heart failure in African-Americans and non-African-Americans, 285
- Get With The Guidelines Database, body mass index and medical therapies and invasive treatments for coronary artery disease and obesity paradox in, 1331
- Glomerular filtration rate, moderate or severe reduction in, relation to number of coronary arteries narrowed >50% in patients undergoing coronary angiography for suspected coronary artery disease, 415
- Glucagon-like peptide-1, effect on glycemic control and left ventricular function in patients undergoing coronary artery bypass grafting, 824
- Glucose, fasting blood levels, prediction of vascular outcomes among individuals without diabetes mellitus and (from the Northern Manhattan Study), 1404
- Glucose-insulin-potassium regimen, modified, in ST-elevation myocardial infarction patients, effect on free fatty acids, matrix metalloproteinases, and myoglobin with, 1614
- Granulocyte colony-stimulating factor, in patients with a large anterior wall acute myocardial infarction, usefulness to prevent left ventricular remodeling (The Rigena Study), 397
- Growth hormone
 - adult-onset deficiency of, growth hormone effect on cardiac contractility in patients with, 1035
 - effect on cardiac contractility in patients with adult onset growth hormone deficiency of, 1035
- Haptoglobin phenotype, early vascular changes in diabetes mellitus and, 1767
- Health care, national, prescription for improving, 1320 (Editorial)
- Health care costs, prevention and effectiveness of Screening for Heart Attack Prevention and Education (SHAPE) and, 1492 (Readers' Comments), *Reply*, 1494
- Health insurance, utilization of drug-eluting stents and, 1192
- Heart anatomy, phrenic nerves detection using 64-slice multidetector computed tomography and their relation to, 133
- Heart disease. *See* Congenital heart disease; Valvular heart disease
- Heart failure
 - acute decompensated, studies on nesiritide safety for, 745 (Readers' Comments) advanced, levosimendan effects in, 742 (Readers' Comments), *Reply*, 742
 - Afro-Caribbean patients presenting with normal vs poor left ventricular systolic function and, 1271
 - atrial fibrillation burden after cardiac resynchronization therapy, 268
 - beta-adrenergic antagonists' (atenolol, metoprolol tartrate, carvedilol) comparative effectiveness on rehospitalization risk in adults with, 690
 - cardiac resynchronization therapy comparison in patients with class II vs class III and IV (from the InSync/InSync ICD Italian Registry), 1007
 - chronic
 - discontinuation of digoxin vs continuation at low serum digoxin concentrations in, 280
 - epidemiology, associated factors, and prognostic outcomes of renal artery stenosis assessed by magnetic resonance angiography in, 273
 - fixed-dose isosorbide dinitrate/hydralazine in patients with, continued safety and tolerability of (the Extension to African-American Heart Failure Trial), 684
 - severity secondary to ischemic or idiopathic dilated cardiomyopathy, relation between CD4+ T-cell activation and, 483
 - chronic systolic
 - aldosterone synthase gene polymorphism C-344-T usefulness to predict cardiac remodeling in African-Americans vs non-African-Americans with, 280
 - decompensated, rapid assay brain natriuretic peptide and troponin I in patients hospitalized with (from the Evaluation Study of Congestive Heart Failure and Pulmonary Artery Catheterization Effectiveness Trial), 1427
 - device optimization for cardiac resynchronization therapy in, 1002
 - diabetes mellitus effects on long-term mortality after coronary revascularization and (from the BARI Trial), 196
 - end-stage
 - inotrope-dependent class IV, cardiac resynchronization therapy in, 90
 - QRS duration usefulness for cardiac resynchronization therapy response prediction in, 1665
 - reliability of echocardiography for hemodynamic assessment of, 998
 - gender, ethnicity, pulmonary disease, and symptom stability effects on rehospitalization in patients with, 1139
 - left ventricular systolic dysfunction, long-term prognostic value of peak oxygen consumption in women vs men with, 291
 - mitral E/E' ratio in patients with severe secondary mitral regurgitation and, 860
 - new-onset
 - electrocardiographic predictors in men and in women free of coronary artery disease of (from the Atherosclerosis In Communities [ARIC] Study), 1437
 - prediction in American Indians, usefulness of quantitative assessment of electrocardiographic ST depression for (from the Strong Heart Study), 94
 - New York Heart Association Functional classification reexamination, 911 (Readers' Comments)
 - Seattle Heart Failure Model and B-type natriuretic peptide enhancement of, validation in community-based population of, 697
 - secondary to ischemic or nonischemic etiology, baseline predictors of cardiac events after cardiac resynchronization therapy in patients with, 464
 - suspected
 - acoustic cardiography usefulness to resolve ambiguous values of B-type natriuretic peptide levels in, 866
 - independent value of echocardiography and N-terminal pro-B-type natriuretic peptide in prediction of major outcomes with, 870
 - systolic, prognostic usefulness of anemia and N-terminal pro-brain natriuretic peptide in outpatients with, 1571
- Heart rate
 - acceleration patterns and atrial and ventricular rate response during maternal-fetal terbutaline treatment for fetal complete heart block, 656
 - in adult men and women during exercise and sexual activity, 1795
 - heart rate variability over time in middle-aged men and women in the general population and changes in (from the Whitehall II Cohort Study), 524
 - variability and turbulence in type 2 diabetes mellitus with vs without cardiac autonomic neuropathy and, 890
 - workload of 100 beats/min in men aged 42, 48, 54, or 60 years at baseline, and prediction of cardiovascular mortality, 563
- Heart transplant, amlodipine prevention of renal dysfunction and hypertension after, 531
- Hemodialysis, chronic, frequency and cause of cardiac troponin T elevation from cardiovascular MRI study of, 885
- Hemodynamics findings, in patients with mitral stenosis undergoing percutaneous mitral commissurotomy comparing those with chronic atrial fibrillation vs those with normal sinus rhythm, 1153
- Hemoglobin
 - levels of, effect on cardiovascular outcomes in patients with isolated systolic hypertension and left ventricular hypertrophy (from the LIFE Study), 855
 - time course of concentrations in the intensive care unit in nonbleeding patients with acute coronary syndrome, 579
- Hemorrhage
 - evaluation in clinical trials, BleedScore proposal, 560 (Readers' Comments)
 - in-hospital, temporal trends in antiplatelet/antithrombotic use acute coronary syndrome and, 1359
 - major, predictors and impact on mortality following percutaneous coronary intervention from the REPLACE-2 Trial, 1364
 - myocardial infarction and, morphologic validation by cardiovascular magnetic resonance of reperfused, 1322
- Heparin, unfractionated
 - vs bivalirudin vs clopidogrel pretreatment and bivalirudin, comparison of platelet function and morphology in patients undergoing percutaneous coronary intervention receiving, 417
 - thrombocytopenia after acute coronary syndrome, treatment with enoxaparin vs, 1734
 - triple antiplatelet therapy during elective percutaneous coronary intervention with and without concomitant, efficacy and safety of (the REMOVE Trial), 1099

- Hepatitis C infection, prevalence in adult patients who underwent congenital heart surgery prior to screening in 1992 of, 1307
- High-density lipoprotein (HDL) cholesterol
inflammatory and noninflammatory, effect of low-density lipoprotein apheresis on, 1416
low, prevalence in patients with documented coronary heart disease or risk equivalent and controlled low-density lipoprotein cholesterol, 1499
- His bundle pacing, acute effects on left ventricular function of left ventricular and right ventricular pacing vs, 1556
- Hispanics, in California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program (2003), clinical characteristics and 30-day mortality in, 59
- Histology, virtual, of culprit coronary lesions in acute coronary syndrome and target coronary lesions in stable angina pectoris, comparison of intravascular ultrasound to, 953
- Homocystinemia, as an independent risk factor in the Chinese population at high risk of coronary artery disease, 455
- Hospitals
adverse drug events in cardiac patients in, 1465
local, relation to outcome of differences in interpretation of admission electrocardiogram in patients with acute coronary syndrome by core laboratory vs, 169
- Hypercholesterolemia
heterozygous familial, coronary artery calcium relation to flow-mediated dilation and C-reactive protein levels in asymptomatic patients with, 1119
lifetime global risk of, treatment based on, 138 (Editorial)
severe, long-term efficacy and safety of rosuvastatin 40 mg in, 1387
- Hyperglycemia, postprandial, as cardiovascular risk factor, 899
- Hyperlipidemia
postprandial, as cardiovascular risk factor, 899
valsartan alone vs simvastatin/ valsartan combination effects on ambulatory blood pressure, C-reactive protein, lipoproteins, and monocyte chemoattractant protein-1 in patients with hypertension and, 222
- Hypertension
amlodipine prevention after heart transplant of renal dysfunction and, 531
early, echocardiographic measures of left ventricular diastolic function in, 1771
isolated systolic, effect of hemoglobin levels on cardiovascular outcomes in patients with left ventricular hypertrophy and (from the LIFE Study), 855
lifetime global risk of, treatment based on, 138 (Editorial)
meta-analysis to determine new-onset diabetes mellitus risk of 94,492 patients treated with beta blockers for, 1254
pulmonary (See Pulmonary hypertension)
revisiting the role of beta blockers in, 253 (Editor's Roundtable)
sirolimus-eluting stent implantation and telmisartan vs valsartan effects on late lumen loss and inflammatory markers in patients with, 1625
systemic, in patients having coronary angioplasty in 1996 vs in 2006, age, body mass index, and diabetes mellitus and frequency of, 1224
systolic, effect of treating erectile dysfunction on management of, 459
therapeutic guidelines' effectiveness, 143 (Editorial)
valsartan alone vs simvastatin/ valsartan combination effects on ambulatory blood pressure, C-reactive protein, lipoproteins, and monocyte chemoattractant protein-1 in patients with hyperlipidemia and, 222
- Hypertriglyceridemia, increasing doses of atorvastatin effects on atherogenic lipid subclasses commonly associated with, 445
- Hypertrophic cardiomyopathy
brain natriuretic peptide levels usefulness in clinical evaluation of, 712
in China, 145 (Editorial)
myocardial deformation analysis in professional soccer players compared with healthy subjects and patients with, 128
- obstructive
depression, anxiety, and quality of life three months after alcohol septal ablation, 1592
left ventricular wall thickness and diastolic filling after surgical septal myectomy for, 1776
systolic anterior motion and mitral regurgitation frequency and mechanism after septal ablation in, 1691
QRS duration relation to mortality in a community-based cohort with, 503
right ventricular involvement in, 1293
- Hypoglycemia, glucagon-like peptide-1 in patients undergoing coronary artery bypass grafting and, 824
- Hyponatremia (<135 mEq/L), effect on outcome in patients with non-ST-elevation acute coronary syndrome of, 406
- Infants
with congenital heart disease, computed tomographic imaging of coronary artery diameters in, 1696
newborn, magnetic resonance angiography usefulness in evaluation of complex congenital heart disease in, 715
- Infarct size, prediction after primary coronary angioplasty for acute myocardial infarction, from pooled analysis of four contemporary trials, 1370
- Inflammation
endotoxemia, atrial fibrillation, and, 986
HDL-induced, effect of low-density lipoprotein apheresis on, 1416
low-grade, relation of plasma lipoprotein levels in white men without clinical evidence of myocardial ischemia with, 450
- Insulin sensitivity, simvastatin and adiponectin levels in metabolic syndrome patients and, 1397
- Insulin therapy, vs non-insulin therapy in diabetic patients compared with outcomes in sirolimus-eluting stenting in diabetic vs nondiabetic patients, 1187
- InSync/InSync ICD Italian Registry, cardiac resynchronization therapy comparison in patients with class II vs class III and IV heart failure, 1007
- Intensive care unit(s), nonbleeding patients with acute coronary syndrome in, time course of hemoglobin concentrations in, 579
- Interatrial block, prevalence in young healthy men <35 years of age, 995
- Interatrial communications, arrhythmias as potential complication on opening the umbrella for percutaneous closure of, 1181
- Interleukin-6, uric acid usefulness to predict changes in 3-year period in Italians aged 21 to 98 years in C-reactive protein and, 115
- Iodinated contrast, alone vs gadodiamide and iodine mixture usefulness for prevention of contrast-induced nephropathy in patients with chronic kidney disease undergoing coronary angiography of, 1090
- Ischemia. *See also* Myocardial ischemia
acute lower limb, cardiac troponin I in patients with, 728
- Isosorbide dinitrate/hydralazine, fixed-dose, evidence for continued safety and tolerability in patients with chronic heart failure (the Extension to African-American Heart Failure Trial), 684
- Italians, aged 21 to 98 years, uric acid usefulness to predict changes in C-reactive protein and IL-6 in 3-year period in, 115
- Japanese, aged ≤ 55 , 56 to 69, and ≥ 70 years with acute myocardial infarction, intravascular ultrasound of clinical characteristics and arterial remodeling in, 1713
- Japanese Coronary Artery Disease Study, combined statins and renin-angiotensin system inhibitors for coronary artery disease vs either drug alone, 1750
- Jugular venous pressure, simplifying estimation of, 1779
- JUPITER Trial, baseline characteristics of statin therapy with low low-density lipoprotein cholesterol and elevated high-sensitivity C-reactive protein, 1659
- Kidney function. *See also* Nephropathy, contrast-induced
first myocardial ischemic event effect on, 7
- Kidney transplantation, predictors of survival of patients with end-stage renal disease evaluated for, 1020
- Koreans, coronary spasm frequency with vs without myocardial bridging in, 1083
- Laboratory, core, relation to outcome of differences in interpretation of admission electrocardiogram in patients with acute coronary syndrome by local hospitals vs, 169
- Laboratory procedures, preparative, influence on platelet function assay, 722
- Lead position, optimal, long-term benefit of cardiac resynchronization therapy as defined by three-dimensional echocardiography, 1671
- Left atrial dilatation, quantitative estimation of linear dimension using an electrocardiographic formulaic assessment on a transthoracic echocardiogram, 894
- Left atrioventricular coupling, aging effects assessed in healthy subjects using cardiac MRI on left ventricular filling and, 122

- Left lateral wall postsystolic displacement, baseline, assessed by M-mode, to predict reverse remodeling by cardiac resynchronization therapy, 470
- Left main coronary disease, presence of carotid and peripheral arterial disease in patients with, 1087
- Left ventricle
- filling, aging effects assessed in healthy subjects using cardiac MRI on left atrioventricular coupling and, 122
 - long-axis contraction as earlier predictor of outcome in asymptomatic aortic regurgitation in, 1677
 - predicting filling pressures in patients with body mass index >35, 31 to 35, and ≤ 30 kg/m², B-type natriuretic peptide levels and, 1166
 - surgical septal myectomy effects on wall thickness and diastolic filling, 1776
- Left ventricular aneurysms, congenital, MRI usefulness in, 310
- Left ventricular apical ballooning syndrome, dobutamine stimulation in patients with, 1600
- Left ventricular dysfunction. *See also* Left ventricular function; Takotsubo cardiomyopathy
- rate vs rhythm control for atrial fibrillation in patients with (AFFIRM Study), 247
 - severe, intramyocardial injection of autologous bone marrow mononuclear cells in patients with chronic myocardial infarction and, 1094
 - systolic
 - long-term prognostic value of peak oxygen consumption in women vs men with heart failure and, 291
 - risk factors and predictors of Torsade de pointes ventricular tachycardia in patients receiving dofetilide with, 876
- Left ventricular ejection fraction
- preserved, disparate effects on mortality of left ventricular geometry and obesity in patients with, 1460
 - $\leq 30\%$ after percutaneous coronary intervention for ST-elevation myocardial infarction, mortality with, 793
- Left ventricular end-diastolic pressure, with normal systolic function and an indeterminate E/E, incremental value of measuring the time difference between onset of mitral inflow and onset of early diastolic mitral annulus velocity for, 326
- Left ventricular function. *See also* Left ventricular dysfunction
- acute effects of His bundle pacing vs left ventricular and right ventricular pacing on, 1556
 - alterations with severe pulmonary hypertension, 1473
 - in coronary artery bypass grafting patients, glucagon-like peptide-1 effect on and, 824
 - diastolic, early hypertension and echocardiographic measures of, 1771
 - recovery after percutaneous coronary intervention for acute myocardial infarction of, 1718
 - recovery after primary percutaneous coronary intervention in ST-elevation myocardial infarction patients, utility of cardiovascular MRI in prediction of, 211
 - recovery in anterior wall first acute myocardial infarction treated with primary coronary angioplasty, relation between microvascular injury, neutrophil counts on admission and, 35
 - synchrony in, primary mitral regurgitation effect on, 701
 - systolic
 - contrast agent-enhanced vs non-contrast agent-enhanced real-time three-dimensional echocardiography for analysis of, 1485
 - normal vs poor, in Afro-Caribbean patients presenting in heart failure with, 1271
 - and volumes to predict mortality in patients with healed myocardial infarction, comparison of myocardial infarct size assessed with contrast-enhanced MRI and, 930
- Left ventricular geometry, disparate effects on mortality in patients with preserved left ventricular ejection fraction of obesity and, 1460
- Left ventricular hypertrophy
- effect of hemoglobin levels on cardiovascular outcomes in patients with isolated systolic hypertension and (from the LIFE Study), 855
 - stress echocardiography usefulness for risk stratification and prognosis of, 536
- Left ventricular lead, replacement of, multislice computed tomographic imaging for preprocedural evaluation of, 1566
- Left ventricular mass, fat free mass in elite Olympic weight lifters and, 1177
- Left ventricular remodeling
- after anterior wall acute myocardial infarction, admission white blood cell count and, 182
 - aldosterone synthase gene polymorphism C-344-T usefulness in chronic systolic heart failure in African Americans and non-African-Americans for prediction of, 285
 - granulocyte colony-stimulating factor usefulness to prevent, in patients with a large anterior wall acute myocardial infarction (The Rigenera Study), 397
 - reverse response after cardiac resynchronization therapy, tissue Doppler velocity and strain dyssynchrony usefulness for predicting, 1263
- LEOPARD syndrome, prevalence and clinical significance of cardiovascular abnormalities in, 736
- Leptin, increased concentrations of, relation to history of myocardial infarction and stroke in the United States, 240
- Levosimendan, in patients with advanced heart failure, 742 (Readers' Comments), *Reply*, 742
- LIFE Study, effect of hemoglobin levels on cardiovascular outcomes in patients with isolated systolic hypertension and left ventricular hypertrophy, 855
- Lipids, serum
- onsite dietitian counseling effect on weight loss in an outpatient physician office and, 73
 - preoperative therapy for lowering, postoperative outcome and, 1185 (Readers' Comment)
- Lipoproteins
- atherogenic subclasses commonly associated with hypertriglyceridemia, increasing doses of atorvastatin and, 445
 - plasma levels, relation of low-grade inflammation in white men without clinical evidence of myocardial ischemia with, 450
 - valsartan alone vs simvastatin/ valsartan combination effects on ambulatory blood pressure, C-reactive protein, and monocyte chemoattractant protein-1 in patients with hypertension and hyperlipidemia and, 222
- Losartan, exercise-induced myocardial ischemia in coronary artery disease patients and, 1517
- Low-density lipoprotein (low-density lipoprotein) cholesterol
- apheresis, inflammatory and noninflammatory HDL cholesterol and, 1416
 - atorvastatin-induced very low levels in coronary heart disease, safety and efficacy of (a Post Hoc Analysis of the Treating to New Targets [TNT] Study), 747
 - controlled, and documented or risk equivalent coronary heart disease, prevalence of low HDL cholesterol in patients with, 1499
 - high, combined effect of metabolic syndrome and, on subclinical coronary atherosclerosis in white men without clinical evidence of myocardial infarction, 835
 - low, statin therapy with elevated high-sensitivity C-reactive protein and, baseline characteristics of JUPITER Trial, 1659
 - pharmacotherapy options for reduction of, 243
 - pravastatin withdrawal effect on C-reactive protein and, 1548
 - serum levels ≥ 100 mg/dl vs <100 mg/dl, statin therapy use at hospital discharge comparison with six-month outcomes in patients with an acute coronary syndrome and, 913
 - serum levels in children and adults, PCSK9 mutations and (The Bogalusa Heart Study), 69
 - (<70 mg/dl), rosuvastatin vs atorvastatin effectiveness in patients with type 2 diabetes mellitus in achievement of combined targets of C-reactive protein (<2 mg/L) and (from the ANDROMEDA Study), 1245
- Lower limbs, acute ischemia in, cardiac troponin I in, 728
- Lupus erythematosus, systemic, survival in patients with cardiomyopathy vs, 513
- Magnesium, intravenous, differential effects on atrioventricular node conduction in supraventricular tachycardia of, 1249
- Magnetic resonance angiography. *See* Coronary angiography, magnetic resonance
- Magnetic resonance imaging
- aging effects on left atrioventricular coupling and left ventricular filling assessed in healthy subjects using, 122
 - cardiac
 - correlates of exercise capacity in patients with surgically repaired tetralogy of Fallot, 1446

- of Takotsubo cardiomyopathy, usefulness in assessing myocardial viability and prognosis, 296
- cardiovascular
- frequency and cause of cardiac troponin T elevation in chronic hemodialysis patients from study of, 885
 - left ventricular recovery prediction after primary percutaneous coronary intervention in ST-elevation myocardial infarction patients, 211
 - morphologic validation of reperfused hemorrhagic myocardial infarction by, 1322
 - of congenital left ventricular aneurysms, 310
 - contrast-enhanced, of myocardial infarct size to predict mortality in patients with healed myocardial infarction, comparison of left ventricular function and volumes and, 930
 - septal delayed contrast enhancement in patients with pulmonary hypertension, prevalence and correlates of, 731
- Mammary artery, internal, anastomosis to the anterior cardiac vein, 337
- Matrix metalloproteinase-12, plasma levels of, tissue inhibitor of metalloproteinase-1, coronary artery disease and, 23
- Matrix metalloproteinases, modified glucose-insulin-potassium effect in ST-elevation myocardial infarction patients on free fatty acids, myoglobin, and, 1614
- Medicaid, utilization of drug-eluting stents and, 1192
- Medical device industry, perspectives on the failure to fully protect public health interests by, 147 (Editorial)
- Medical history, of extracardiac manifestations of infective endocarditis and their historical descriptions, 1802
- Medication errors, in hospitalized cardiac patients, 1465
- Men
- aged 42, 48, 54, or 60 years at baseline, workload at the heart rate of 100 beats/min and prediction of cardiovascular mortality in, 563
 - with coronary artery disease, peripheral-blood dendritic cells in, 593
 - diagnostic accuracy of 64-slice multidetector computed tomographic angiography in women with angina pectoris vs, 1532
 - heart rate and blood pressure during exercise and sexual activity in, 1795
 - middle-aged, changes in heart rate and heart rate variability over time in the general population (from the Whitehall II Cohort Study), 524
 - normolipidemic smokers vs nonsmokers, single 20-mg atorvastatin tablet effect on brachial artery blood flow in, 881
 - referred for coronary angiography, baseline phospholipid and cardiovascular outcomes with acute coronary syndrome in, 1739
 - systolic blood pressure increases during exercise stress testing, prognostic significance of, 1609
- white
- relation of plasma lipoprotein levels with low-grade inflammation without clinical evidence of myocardial ischemia in, 450
 - without clinical evidence of myocardial infarction, combined effect of high low-density lipoprotein cholesterol and metabolic syndrome on subclinical coronary atherosclerosis in, 835
 - with and without coronary artery disease, electrocardiographic responses to deer hunting activities in, 175
 - young healthy <35 years of age, prevalence of interatrial block in, 995
- Metabolic syndrome
- as acute coronary syndrome individual risk factor, 561 (Readers' Comments)
 - body mass index usefulness in 10-year risk prediction of cardiovascular disease in women vs risk factors for, 1654
 - components in African-Americans and European-American patients and its relation to coronary artery disease, 830
 - exercise training amount and intensity effects on, Studies of a Targeted Risk Reduction Intervention through Defined Exercise [STRIDE] data on, 1759
 - impact on angiographic and clinical events after coronary intervention using bare-metal or sirolimus-eluting stents of, 1347
 - impact on cardiovascular events of gender differences, diabetes mellitus and, 227
 - in middle-aged Chinese without central obesity, ten-year cardiovascular disease risk and, 835
 - prevalence in patients \leq 45 years of age with acute myocardial infarction having percutaneous coronary intervention, 1052
 - simvastatin (40 mg/day), adiponectin levels, and insulin sensitivity with, 1397
 - subclinical coronary atherosclerosis in white men without clinical evidence of myocardial infarction, combined effect of high low-density lipoprotein cholesterol and, 835
- 3,4-Methylenedioxymethamphetamine, abuse, possible association between valvular heart disease and, 1442
- Metoprolol tartrate, rehospitalization risk in adults with heart failure, comparative effectiveness of carvedilol, atenolol and, 690
- Microparticles, circulating procoagulant levels in nonvalvular atrial fibrillation of, 989
- Microvascular injury, in anterior wall first acute myocardial infarction treated with primary coronary angioplasty, relation between left ventricular functional recovery, neutrophil counts on admission and, 35
- Microvolt T-wave alternans, usefulness on predicting outcome in patients with ischemic cardiomyopathy with and without defibrillators, 598
- Mitral annulus, radiofrequency ablation and angiographic analysis of anatomic relation of coronary arteries to tricuspid annulus and, 666
- Mitral regurgitation
- after septal ablation in obstructive hypertrophic cardiomyopathy, frequency and mechanism of systolic anterior motion and, 1691
 - asymptomatic chronic nonischemic, prognostic value of exercise tolerance testing in, 1274
 - long-term outcomes of percutaneous coronary intervention for patients with, 1218
 - primary, effect on left ventricular synchrony of, 701
 - severe secondary, diagnostic usefulness and prognostic implications of mitral E/E' ratio in patients with heart failure and, 860
 - severity of, quantitative assessment by serial echocardiography in a multicenter clinical trial of percutaneous mitral valve repair of, 1577
- Mitral valve repair, percutaneous, quantitative assessment using stress echocardiography of severity of mitral regurgitation in a multicenter clinical trial of, 1577
- Mobitz II block, misdiagnosis of, 1185 (Readers' Comment)
- MONICA/KORA Augsburg Myocardial Infarction—egistry, characteristics and outcome of patients according to presenting electrocardiogram with acute myocardial infarction, 1056
- Monocyte chemoattractant protein-1, valsartan alone vs simvastatin/ valsartan combination effects on ambulatory blood pressure, lipoproteins, and C-reactive protein in patients with hypertension and hyperlipidemia and, 222
- Mortality. *See also* Cardiac death, sudden
- 30-day, and clinical characteristics among Caucasians, Hispanics, Asians, and African Americans in the 2003 California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program, 59
 - 30-day, intracoronary thrombectomy in patients with acute myocardial infarction and, 1212
 - cardiovascular, workload at the heart rate of 100 beats/min in men aged 42, 48, 54, or 60 years at baseline for prediction of, 563
 - coronary artery calcium prognostic usefulness in men vs women (results from a meta- and pooled analysis estimating all-cause mortality and coronary heart disease death or myocardial infarction)
 - gender differences, 409
 - delay in door-to-needle time impact in ST-elevation myocardial infarction patients on, 1227
 - disparate effects of left ventricular geometry and obesity in patients with preserved left ventricular ejection fraction on, 1460
 - effect of intensive lipid-lowering therapy after acute coronary syndrome on (a Patient-Level Analysis of the Aggrastat to Zocor and Pravastatin or Atorvastatin Evaluation and Infection Therapy—Thrombolysis In Myocardial Infarction 22 Trials), 1047
 - electrocardiographic QRS/T angles' prognostic significance in predicting incident coronary artery disease and (from the Atherosclerosis In Communities [ARIC] Study), 844
 - in-stent restenosis impact on myocardial infarction and, 1109
 - with left ventricular ejection fraction \leq 30% after percutaneous coronary intervention for ST-elevation myocardial infarction, 793
 - long-term, after coronary revascularization, heart failure and diabetes mellitus effects on (from the BARI Trial), 196

- major hemorrhage after percutaneous coronary intervention and, from the REPLACE-2 Trial, 1364
- medium-term predictions of, B-type natriuretic peptide in patients undergoing major non-cardiac surgery and, 1310
- N-terminal pro-brain natriuretic peptide accuracy in prediction in various subsets of patients with coronary artery disease of, 575
- in peripartum cardiomyopathy, racial differences and incidence of, 302
- prediction in patients with healed myocardial infarction, comparison of myocardial infarct size assessed with contrast-enhanced MRI and left ventricular function and volumes for, 930
- QRS duration in a community-based cohort with hypertrophic cardiomyopathy and, 503
- risk, statin treatment and, 1644
- short- and long-term clinical and angiographic correlates in patients undergoing coronary artery bypass grafting, 1538
- speed, cocaine, other psychostimulants and, 1184 (Readers' Comment)
- Multicenter UnSustained Tachycardia Trial (MUSTT), designation and distribution of events in, 76
- Multidetector computed tomography. *See* Computed tomography
- Myalgia, simvastatin-induced, coenzyme Q₁₀ supplementation and, 1400
- Myocardial bridging
 - frequency of coronary spasm in Korean patients with vs without, 1083
 - of left anterior descending coronary artery, evaluation by 64-slice multidetector computed tomographic angiography, 1081
- Myocardial deformation analysis, in professional soccer players compared with healthy subjects and hypertrophic cardiomyopathy patients, 128
- Myocardial infarction
 - acute (*See* Acute myocardial infarction)
 - after elective percutaneous coronary intervention, meta-analysis of statin role in reducing, 919
 - chronic, intramyocardial injection of autologous bone marrow mononuclear cells with severe left ventricular dysfunction and, 1094
 - combined effect of high low-density lipoprotein cholesterol and metabolic syndrome on subclinical coronary atherosclerosis in white men without clinical evidence of, 835
 - electrophysiologic study vs N-terminal pro-brain natriuretic peptide for predicting future outcomes in patients with implantable cardioverter defibrillator after, 635
 - fatal risk of, age and apolipoprotein B/apolipoprotein A-I ratio relation to, and implications for primary prevention of cardiovascular disease, 217
 - healed, comparison of left ventricular function and volumes with myocardial infarct size assessed and contrast-enhanced MRI to predict mortality in patients with, 930
 - increased concentrations of leptin relation to history of stroke in the United States and, 240
 - in-stent restenosis impact on death and, 1109
 - Occluded Artery Trial examination of late open-coronary artery hypothesis, 1810 (Editorial)
 - Q-wave, prognostic significance of fragmented QRS complex for predicting risk of recurrent cardiac events in patients with, 583
 - reperfused hemorrhagic, morphologic validation by cardiovascular magnetic resonance of, 1322
 - ST-segment elevation (*See* ST-segment elevation myocardial infarction)
 - ten-year trends of cardiovascular drug use among community-dwelling persons ≥ 65 years of age after, 1061
- Myocardial ischemia
 - in endovascular vs open surgical repair of abdominal aortic aneurysms, comparison of incidences of cardiac arrhythmias, cardiac events with, 1479
 - exercise-induced, losartan effect in coronary artery disease patients on, 1517
 - first, renal function and, 7
 - plasma lipoprotein levels with low-grade inflammation in white men without clinical evidence of, 450
- Myocardial performance index, congenital heart disease in adults, brain natriuretic peptide and, 110
- Myocardial perfusion, subendocardial abnormality in, two- vs three-dimensional myocardial contrast echocardiographic assessment in acute myocardial infarction patients after percutaneous coronary intervention of, 1502
- Myocardial perfusion stress imaging, multislice computed tomographic coronary angiography diagnostic usefulness in intermediate risk patients for cardiovascular events after, 1605
- Myoglobin, modified glucose-insulin-potassium effect in ST-elevation myocardial infarction patients on free fatty acids, matrix metalloproteinases, and, 1614
- Myonecrosis, periprocedural, effect of statins before percutaneous coronary intervention on, 770
- Myopathy, statins, and vitamin D deficiency, 1328 (Readers' Comments)
- National Health and Nutrition Examination Survey (1999 to 2002), targeted rather than population based screening with C-reactive protein using, 1130
- Native Americans, predicting new-onset heart failure in, quantitative assessment of electrocardiographic ST depression usefulness for (from the Strong Heart Study), 94
- Natriuretic peptide
 - brain
 - myocardial performance index in adults with congenital heart disease and, 110
 - rapid assay in patients hospitalized with decompensated heart failure, troponin I and (from the Evaluation Study of Congestive Heart Failure and Pulmonary Artery Catheterization Effectiveness Trial), 1427
 - usefulness in clinical evaluation of hypertrophic cardiomyopathy, 712
 - B-type (*See also* N-terminal pro-brain natriuretic peptide)
 - acoustic cardiography usefulness to resolve ambiguous values of levels in suspected heart failure of, 866
 - in non-ST-segment elevation acute coronary syndrome, 1727
 - predicting left ventricular filling pressures in patients with body mass index >35 , 31 to 35, and ≤ 30 kg/m², 1166
 - predicting medium-term mortality in patients undergoing major non-cardiac surgery and, 1310
 - validation of the Seattle Heart Failure Model in a community-based heart failure population and enhancement by adding, 697
- Nephropathy, contrast-induced
 - gadodiamide and iodine mixture vs iodinated contrast alone usefulness for prevention in patients with chronic kidney disease undergoing coronary angiography of, 1090
 - prevention in patients undergoing an emergent coronary procedure, sodium bicarbonate vs sodium chloride usefulness for, 781
 - renal insufficiency and, 544 (Editor's Roundtable)
- Nesiritide, in acute decompensated heart failure: studies on safety of, 745 (Readers' Comments)
- Neuropathy, cardiac autonomic, heart rate variability and heart rate turbulence in type 2 diabetes mellitus with vs without, 890
- Neutrophils, counts on admission, in anterior wall first acute myocardial infarction treated with primary coronary angioplasty, relation between microvascular injury, left ventricular functional recovery and, 35
- New York Heart Association's functional classification of heart failure, reexamination of, 911 (Readers' Comments)
- No-reflow phenomenon, angiographic, during stent implantation in ST-elevation myocardial infarction patients, preprocedural N-terminal pro-brain natriuretic peptide usefulness in predicting, 631
- Northern Manhattan Study, fasting blood glucose and cardiovascular disease prediction among nondiabetics, 1404
- accuracy in mortality prediction in various subsets of patients with coronary artery disease using, 575
- dyspneic patients with diabetes mellitus seen in the emergency department, usefulness for evaluation of (from the PRIDE Study), 1336
- electrophysiologic study for predicting future outcomes in patients with implantable cardioverter defibrillator after myocardial infarction vs, 635
- prediction of major outcomes with suspected heart failure and, 870
- preprocedural, usefulness in predicting angiographic no-reflow phenomenon during stent implantation in ST-elevation myocardial infarction patients, 631
- prognostic usefulness in outpatients with systolic heart failure of anemia and, 1571

- Obesity
atherosclerotic risk in U.S. adults weighing ≥ 300 pounds vs those weighing < 300 pounds, 1651
body mass index and medical therapies and invasive treatments for coronary artery disease and, in the Get With The Guidelines Database and, 1331
disparate effects on mortality in patients with preserved left ventricular ejection fraction of left ventricular geometry and, 1460
- Obstructive hypertrophic cardiomyopathy. *See* Hypertrophic cardiomyopathy, obstructive
- Occluded Artery Trial (OAT), late open-coronary artery hypothesis and, 1810 (Editorial)
- Osteoprotegerin, serum levels as a biomarker for vascular disease, 561 (Readers' Comments)
- Outpatients
onsite dietitian counseling in physician office, and weight loss and lipid levels in, 73
value of cardiovascular limited ultrasound examination on clinical management using hand-carried ultrasound device of, 321
- Oxygen consumption, peak, long-term prognostic value in women vs men with left ventricular systolic dysfunction of, 291
- Pacing, His bundle vs left ventricular and right ventricular, acute effects on left ventricular function of, 1556
- Paclitaxel-eluting stents, long-term clinical outcomes and thrombosis rates of sirolimus-eluting stents in an unselected population with coronary artery disease vs (REWARDS Registry), 45
- Pain-to-balloon time, myocardial infarct size in ST-elevation myocardial infarction patients transferred for primary percutaneous coronary intervention and, 28
- Patent foramen ovale, closure devices for, Circulatory Device Advisory Panel on, 905 (Editorial)
- Patient-Level Analysis of the Aggrastat to Zocor and Pravastatin or Atorvastatin Evaluation and Infection Therapy–Thrombolysis In Myocardial Infarction 22 Trials
intensive lipid-lowering therapy effect on mortality after acute coronary syndrome, 1047
- Patients, nonprescription statins as opportunity for education and involvement of, 907 (Editorial)
- PCSK9 mutations, serum low-density lipoprotein cholesterol levels in children and adults and (The Bogalusa Heart Study), 69
- Percutaneous coronary intervention. *See also* Saphenous vein grafts
for acute myocardial infarction, left ventricular functional recovery after, 1718
body mass index impact on platelet aggregation after administration of a high loading dose of 600 mg of clopidogrel before, 203
diabetes mellitus, and predictors of in-stent restenosis and patient outcome after, 777
- elective
meta-analysis of statin role in reducing myocardial infarction after, 919
triple antiplatelet therapy with and without concomitant anticoagulation during (the REMOVE Trial), 1099
- gender-based outcomes with drug-eluting stents in, need for more studies on, 560 (Readers' Comments)
- high clopidogrel loading in patients undergoing, meta-analysis of, 1199
- ischemic threshold for benefit of, in the COURAGE Trial, 1495 (Readers' Comments)
- medical therapy for secondary coronary artery disease prevention vs, the COURAGE Trial and, 1808 (Editorial)
- metabolic syndrome prevalence in patients ≤ 45 years of age with acute myocardial infarction having, 1052
- mitral regurgitation in patients undergoing, long-term outcomes with, 1218
mortality and major hemorrhage after, from the REPLACE-2 Trial, 1364
- Occluded Artery Trial examination of late open-coronary artery hypothesis, 1810 (Editorial)
- with off-site cardiac surgery backup for acute myocardial infarction as strategy to reduce door-to-balloon time, 1353
- platelet function and morphology in patients receiving bivalirudin vs unfractionated heparin vs clopidogrel pretreatment and bivalirudin and undergoing, 417
- primary
cardiovascular MRI utility in prediction of left ventricular recovery in ST-elevation myocardial infarction patients after, 211
prognostic evaluation by clinical exercise test scores in patients treated with fibrinolysis for acute myocardial infarction vs (a Danish Trial in Acute Myocardial Infarction-2 Sub-Study), 1074
relation of pain-to-balloon time and myocardial infarct size in patients transferred for, 28
ST-segment deviations from ambulatory Holter monitoring after ST-elevation myocardial infarction treated with either fibrinolysis or (a Danish Trial in Acute Myocardial Infarction-2 Substudy), 937
- rapid triage and transport of ST-elevation myocardial infarction patients in a rural health system for, 944
- reduced-dose enoxaparin in non-ST-segment elevation acute coronary syndrome followed by antiplatelet therapy alone for, effectiveness and safety of, 1376
- statin treatment effect on periprocedural myonecrosis before, 770
- ST-elevation vs non-ST-elevation acute myocardial infarction patients treated with, outcome in (from the National Heart, Lung, and Blood Institute Dynamic Registry), 190
- for ST-elevation myocardial infarction, mortality with left ventricular ejection fraction $\leq 30\%$ after, 793
- for ST-elevation myocardial infarction complicated by cardiogenic shock, prehospital triage usefulness in, 787
- in ST-elevation myocardial infarction patients with vs without diabetes mellitus (from the EMERALD Trial)
comparison of myocardial reperfusion, 206
- stress cardiac single-photon emission computed tomographic imaging usefulness late for assessing cardiac events and time to such events late after, 436
- two- vs three-dimensional myocardial contrast echocardiography for assessing subendocardial perfusion abnormality in patients with acute myocardial infarction after, 1502
- Percutaneous coronary transcatheter closure of interatrial communications, arrhythmic storm as potential complication of, 1181
- Percutaneous mitral commissurotomy, in patients with mitral stenosis, echocardiographic and hemodynamic findings of chronic atrial fibrillation vs normal sinus rhythm, 1153
- Pericarditis, idiopathic recurrent, prognosis as determined from previously published reports of, 1026
- Perindopril, atherosclerosis progression over time and (from the PERSPECTIVE Study), 159
- Peripheral arterial disease
presence in patients with left main disease of carotid artery disease and, 1087
prior, acute coronary syndrome and, 1
- PERSPECTIVE (PERindopril's Prospective Effect on Coronary aTherosclerosis by Angiography and IntraVascular Ultrasound Evaluation) Study
long-term effect of perindopril on coronary atherosclerosis progression, 159
- PETRO Study, dabigatran with or without concomitant aspirin vs warfarin alone in nonvalvular atrial fibrillation, 1419
- Pharmaceutical industry, perspectives on the failure to fully protect public health interests by, 147 (Editorial)
- Pharmacotherapy trials, in ST-elevation myocardial infarction patients, percent diameter of coronary arterial stenosis and iodinated contrast injections in, 13
- Phospholipids, cardiovascular outcomes in men with acute coronary syndrome referred for coronary angiography and baseline levels of, 1739
- Phrenic nerves, detection of and their relation to cardiac anatomy using 64-slice multidetector computed tomographic imaging, 133
- Plaques
coronary, rupture of, intravascular ultrasonic study of gender differences in morphology and its associated clinical presentation, 185
peri-stent reference segment burden, association with disease progression in saphenous vein grafts (A Serial Intravascular Ultrasound Assessment), 1233
rupture prediction in patients with stable and unstable angina pectoris, high-frequency ultrasound and serum inflammatory biomarkers usefulness for, 1341

- Platelet aggregation
 after administration of a high loading dose of 600 mg of clopidogrel before percutaneous coronary intervention, body mass index impact on, 203
 in patients undergoing coronary artery stent implantation, triple antiplatelet therapy (aspirin, clopidogrel, and cilostazol) effects on P-selectin expression and, 610
 speed of inhibition after loading doses of clopidogrel vs prasugrel in healthy volunteers and association of pharmacodynamic response for, 331
- Platelet function, assay of, influence of preparative procedures on and apparent antiplatelet agents effects, 722
- Poisoning, carbon monoxide, clinical complexity of, 1184 (Readers' Comment)
- Prasugrel
 speed of onset of platelet inhibition after loading doses in healthy volunteers and association of pharmacodynamic response to, 331
- Pravastatin, withdrawal effect on C-reactive protein and low-density lipoprotein cholesterol of, 1548
- Pregnancy, peripartum cardiomyopathy and, incidence, mortality, and racial differences in, 302
- PRIDE Study, N-terminal pro-brain natriuretic peptide testing for evaluation of dyspneic patients with diabetes mellitus seen in the emergency department, 1336
- Proximal isovelocity surface area, limitations of two-dimensional and three-dimensional methods, 1495 (Readers' Comments)
- P-selectin, expression in patients undergoing coronary artery stent implantation, triple antiplatelet therapy (aspirin, clopidogrel, and cilostazol) effects on platelet aggregation and, 610
- Pseudo-atrial fibrillation, rare manifestation of multiple anterograde atrioventricular nodal pathways, 154
- Psychostimulants, death rates for, 1184 (Readers' Comment)
- Public health, perspectives on the failure of pharmaceutical industry and medical device industry to fully protect interests of, 147 (Editorial)
- Pulmonary disease, rehospitalization with heart failure, symptom stability and, 1139
- Pulmonary embolism
 acute, electrocardiographic score and short-term outcomes of, 1172
 regional myocardial performance index for diagnosis in patients with echocardiographic signs of pulmonary hypertension of, 744 (Readers' Comments)
- Pulmonary hypertension
 prevalence and correlates of septal delayed contrast enhancement in patients with, 731
 regional myocardial performance index for diagnosis of pulmonary embolism in patients with echocardiographic signs of, 744 (Readers' Comments)
 severe, tissue Doppler imaging evaluation of cardiac adaptation to, 1473
- P-wave, long-term prognostic value of characteristics for development of atrial fibrillation in subjects aged 55 to 74 years at baseline, 850
- QRS complex, fragmented, prognostic significance for predicting risk of recurrent cardiac events in patients with Q-wave myocardial infarction of, 583
- QRS duration
 mortality in a community-based cohort with hypertrophic cardiomyopathy relation to, 503
 for predicting cardiac resynchronization therapy response in patients with end-stage heart failure, 1665
- QRS/T angles, electrocardiographic, prognostic significance in predicting incident coronary artery disease and total mortality of (from the Atherosclerosis In Communities [ARIC] Study), 844
- Quality of life
 within one year following presentation after transient loss of consciousness, 672
 in patients with obstructive hypertrophic cardiomyopathy three months after alcohol septal ablation, depression, anxiety, and, 1592
- Racial characteristics
 clinical characteristics and 30-day mortality in the 2003 California Coronary Artery Bypass Graft Surgery Outcomes Reporting Program, 59
 in peripartum cardiomyopathy, incidence, mortality, and, 302
- Racial differences
 aldosterone synthase gene polymorphism C-344-T usefulness to predict cardiac remodeling in chronic systolic heart failure with, 285
 drug-eluting stent utilization and, 1192
 implantable-cardioverter defibrillators utilization among patients with prior MI and ejection fraction of $\leq 35\%$ and, 924
 ten-year trends of cardiovascular drug use among community-dwelling persons ≥ 65 years of age after myocardial infarction and, 1061
- Radial artery, cannulation impact on function of, 743 (Readers' Comments)
- Radiation, coronary calcium screening and, 1495 (Readers' Comments)
- Radiofrequency ablation, anatomic relation of coronary arteries to mitral and tricuspid annulus, angiographic analysis of, radiofrequency ablation and, 666
- Radiologists, cardiologists' interpretation practices of cardiac and noncardiac findings from coronary computed tomographic angiography vs, 1782
- Reduction Of Restenosis In Saphenous Vein Grafts with Cypher Sirolimus-eluting Stent (RRISC) trial
 intravascular ultrasound comparison of sirolimus-eluting vs bare metal stent implantation in diseased saphenous vein grafts, 52
- REMOVE Trial, triple antiplatelet therapy efficacy and safety during elective percutaneous coronary intervention with and without concomitant anticoagulation, 1099
- Renal artery stenosis, in chronic heart failure assessed by magnetic resonance angiography, epidemiology, associated factors and prognostic outcomes of, 273
- Renal insufficiency
 amlodipine prevention after heart transplant of hypertension and, 531
 contrast-induced nephropathy and, 544 (Editor's Roundtable)
 postoperative, protective effect of preoperative statins in coronary artery bypass grafting against, 442
- Renin-angiotensin system inhibitors, statins alone for coronary artery disease vs combination with, from Japanese Coronary Artery Disease Study, 1750
- REPLACE-2 Trial, major hemorrhage after percutaneous coronary intervention, mortality and, 1364
- Restenosis
 after intracoronary implantation of drug-eluting stents, clinical correlates of, 965
 after sirolimus-eluting stent implantation, 41
 bare metal in-stent, six-month angiographic and three-year outcomes of sirolimus-eluting stent implantation vs brachytherapy for, 425
 coronary, frequency of stent fracture as cause after sirolimus-eluting stent implantation of, 627
 drug-eluting in-stent, 64-slice multidetector computed tomography for detecting, 1754
 in-stent
 direct stenting vs stenting after balloon predilation for acute myocardial infarction and, 798
 impact on death and myocardial infarction, 1109
 predictors and patient outcome after percutaneous coronary intervention in patients with diabetes mellitus of, 777
- Resynchronization therapy. *See* Cardiac resynchronization therapy
- Retinopathy, as selection guide for an appropriate coronary revascularization treatment in patients with diabetes mellitus, 1330 (Readers' Comments)
- Retrospective reviews, population-based, of dextrocardia and outcomes associated with, 305
- REWARDS Registry, long-term clinical outcomes and thrombosis rates of sirolimus- vs paclitaxel-eluting stents in an unselected population with coronary artery disease, 45
- Rheumatoid arthritis, transesophageal echocardiography of valvular heart disease in, 496
- The Rigenera Study, granulocyte colony-stimulating factor usefulness to prevent left ventricular remodeling in patients with a large anterior wall acute myocardial infarction, 397
- Right ventricle, hypertrophic cardiomyopathy and, 1293
- Right ventricular dysfunction, multidetector computed tomographic imaging role in evaluation of, 99
- Right ventricular function
 after cardiac resynchronization therapy, 1434
 alterations with severe pulmonary hypertension, 1473
- Roberts, William Clifford, MD, an interview by Charles Stewart Roberts, MD, 338

- Rosuvastatin
 atorvastatin effectiveness on the achievement of combined C-reactive protein (<2 mg/L) and low-density lipoprotein cholesterol (<70 mg/dl) targets in patients with type 2 diabetes mellitus vs (from the ANDROMEDA Study), 1245
 once weekly, effects among patients with a prior statin intolerance of, 554
 with severe hypercholesterolemia, long-term efficacy and safety of, 1387
 Rotterdam Study, usefulness of combining complement factor H and C-reactive protein genetic profiles for predicting myocardial infarction, 646
 Rural health system, rapid triage and transport of ST-elevation myocardial infarction patients for percutaneous coronary intervention in, 944
- Saphenous vein grafts
 diseased, intravascular ultrasound of bare metal vs sirolimus-eluting stent implantation in (from the RRISC trial), 52
 distal embolic protection in (an analysis of 19,546 patients in the American College of Cardiology–National Cardiovascular Data Registry), 1114
 peri-stent reference segment plaque burden is associated with disease progression in (A Serial Intravascular Ultrasound Assessment), 1233
 Sclerosis, systemic, survival in patients with cardiomyopathy vs, 513
 SCN5A probands, positive and negative, in Brugada syndrome, comparison of long-term follow-up of electrocardiographic features between, 649
 Screening for Heart Attack Prevention and Education (SHAPE), cost and effectiveness of, 1013, 1492 (Readers' Comments), *Reply*, 1494
- Seasons
 distributions of ventricular arrhythmias with implantable cardioverter defibrillators and, 1134
 endothelium-dependent flow-mediated vasodilation in subjects without clinical evidence of cardiovascular disease relation to (from the Framingham Heart Study), 518
- Seattle Heart Failure Model, validation in community-based population and B-type natriuretic peptide enhancement of, 697
- Septal ablation
 alcohol-type, depression, anxiety, and quality of life in patients with obstructive hypertrophic cardiomyopathy three months after, 1592
 ventricular, in obstructive hypertrophic cardiomyopathy, frequency and mechanism of systolic anterior motion and mitral regurgitation after, 1691
- Septal myectomy, for obstructive hypertrophic cardiomyopathy, left ventricular wall thickness and diastolic filling after, 1776
- Sexual activity, heart rate and blood pressure in men and women during, 1795
- Shock. *See* Cardiogenic shock
- Siblings, of patients with premature coronary artery disease, coronary artery disease incidence in: 10 years of follow-up, 1410
- Sildenafil, for erectile dysfunction, blood pressure control and, 552 (Editorial)
- Simvastatin
 adiponectin levels, insulin sensitivity in patients with metabolic syndrome and, 1397
 and ezetimibe, tendon rupture and, 152
 myalgia induced by, coenzyme Q₁₀ supplementation and, 1400
 and valsartan, vs valsartan alone, ambulatory blood pressure, C-reactive protein, lipoproteins, and monocyte chemoattractant protein-1 effects in patients with hypertension and hyperlipidemia, 222
- Sinus of Valsalva, aneurysms of, 1322 (Readers' Comments)
- Sinus rhythm, normal, vs chronic atrial fibrillation, and echocardiographic and hemodynamic findings in patients with mitral stenosis undergoing percutaneous mitral commissurotomy, 1153
- Sirolimus-eluting stents
 vs bare-metal stents
 implantation in diseased saphenous vein grafts, intravascular ultrasound comparison of (from the RRISC trial), 52
 metabolic syndrome impact on angiographic and clinical events after coronary intervention using, 1347
 in diabetic vs nondiabetic patients, comparison of outcomes using, with comparison of insulin vs non-insulin therapy in the diabetic patients, 1187
 frequency of stent fracture as cause of coronary restenosis after implantation of, 627
 implantation vs brachytherapy for bare metal in-stent restenosis, comparison of six-month angiographic and three-year outcomes of, 425
 late restenosis after implantation, 41
 long-term clinical and angiographic outcomes of treatment of unprotected left main coronary artery stenosis with, 431
 long-term clinical outcomes and thrombosis rates of paclitaxel-eluting stents in an unselected population with coronary artery disease (REWARDS Registry) vs, 45
 long-term outcomes of treatment of unprotected left main coronary arterial stenosis with, 431
 telmisartan vs valsartan effects on late lumen loss and inflammatory markers after implantation in hypertensive patients, 1625
- Smoking
 microcirculation damage in vasospastic angina pectoris and, 962
 single 20-mg atorvastatin tablet effect on brachial artery blood flow in normo-lipidemic men and, 881
- Soccer players, professional. *See also* Athletes
 myocardial deformation analysis in healthy subjects vs patients with hypertrophic cardiomyopathy vs, 128
- Sodium bicarbonate, to prevent contrast-induced nephropathy in patients undergoing an emergent coronary procedure, sodium chloride usefulness vs, 781
- Sodium chloride, to prevent contrast-induced nephropathy in patients undergoing an emergent coronary procedure, sodium bicarbonate usefulness vs, 781
- Speed, death rate for, 1184 (Readers' Comment)
- Statins
 coenzyme Q₁₀ supplementation, cachexia, and, 1497 (Readers' Comments)
 frequency of new-onset atrial fibrillation or flutter in patients presenting with suspected acute coronary syndrome on vs not on, 404
 intensive high-dose, after acute coronary syndrome, effect on mortality of (a Patient-Level Analysis of the Aggrastat to Zocor and Pravastatin or Atorvastatin Evaluation and Infection Therapy–Thrombolysis In Myocardial Infarction 22 Trials), 1047
 for low low-density lipoprotein cholesterol and elevated high-sensitivity C-reactive protein, in JUPITER Trial, 1659
 myopathy, vitamin D deficiency and, 1328 (Readers' Comments)
 nonprescription, as opportunity for patient education and involvement, 907 (Editorial)
 once weekly rosuvastatin effects among patients with a prior intolerance of, 554
 before percutaneous coronary intervention, periprocedural myonecrosis and, 770
 preoperative, postoperative outcome and, 1185 (Readers' Comment)
 preoperative, renoprotective effect in coronary artery bypass grafting, 442
 renin-angiotensin system inhibitors alone for coronary artery disease vs combination with, from Japanese Coronary Artery Disease Study, 1750
 role in reducing myocardial infarction following elective percutaneous coronary intervention, meta-analysis of, 919
 sudden death risk and treatment with, 1644
 use at hospital discharge and six-month outcomes in patients with an acute coronary syndrome and serum low-density lipoprotein ≥ 100 mg/dl vs <100 mg/dl, 913
 vitamin D and, 1329 (Readers' Comments)
 withdrawal effect on frequency of cardiac events after vascular surgery of, 316
- Stenosis
 aortic, (\pm aortic regurgitation) in octogenarians having aortic valve replacement with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 489
 aortic, (\pm aortic regurgitation) in quadragenarians having aortic valve replacement with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1683
 aortic, (\pm aortic regurgitation) in quinquagenarians having aortic valve replacement with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1584
 aortic, (\pm aortic regurgitation) in septuagenarians having aortic valve replacement with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1157
 aortic, (\pm aortic regurgitation) in sexagenarians having aortic valve replacement with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005), valve structure and survival in, 1286

- coronary arterial
 iodinated contrast injections and percent diameter of, intracoronary pharmacotherapies trials in ST-elevation myocardial infarction patients and, 13
 unprotected left main, long-term outcomes of treatment with sirolimus-eluting stents of, 431
- 51% to 75% in diameter, prognostic value of coronary flow reserve in medically treated patients with left anterior descending coronary artery disease with, 1527
- mitral, echocardiographic and hemodynamic findings in patients undergoing percutaneous mitral commissurotomy for, chronic atrial fibrillation vs normal sinus rhythm and, 1153
- renal artery, in chronic heart failure assessed by magnetic resonance angiography, epidemiology, associated factors and prognostic outcomes of, 273
- Stent fracture, frequency of, as cause of coronary restenosis after implantation of sirolimus-eluting stents, 627
- Stenting
 direct vs after balloon predilation, acute myocardial infarction outcomes and, 798
 under intravascular ultrasound guidance of direct stenting without predilation vs conventional predilation with a semi-compliant balloon vs predilation with a new scoring balloon, nonrandomized comparison of, 812
 triple antiplatelet therapy (aspirin, clopidogrel, and cilostazol) effects on platelet aggregation and P-selectin expression after, 610
- Stents
 bare metal (*See* Bare-metal stents)
 drug-eluting
 in the coronary artery of ST-elevation myocardial infarction patients at a single high-volume medical center, safety of, 949
 correlates of clinical restenosis following intracoronary implantation of, 965
 differences in utilization by race and payer of, 1192
 efficacy, meta-analysis of angiographic vs intravascular ultrasound parameters of (from TAXUS IV, V, and VI), 621
 intravascular ultrasound parameters associated with stent thrombosis after deployment of, 615
 need for more studies on gender-based outcomes in percutaneous coronary intervention with, 560 (Readers' Comments)
 for on-and off-label indications, long-term follow-up of, 1619
 restenosis detection using 64-slice multidetector computed tomography in, 1754
 triple vs dual antiplatelet therapy after implantation of (from the DECLARE-Long Trial), 1103
 for unprotected left main coronary artery disease, comparison of surgery vs, 970
 paclitaxel-eluting, long-term clinical outcomes and thrombosis rates of sirolimus-eluting stents in an unselected population with coronary artery disease vs (REWARDS Registry), 45
 sirolimus-eluting (*See* Sirolimus-eluting stents)
 zotarolimus-eluting phosphorylcholine-coated cobalt-chromium alloy, detailed intravascular ultrasound analysis in de novo coronary lesions of (from the ENDEAVOR II Trial), 818
- Stress-recovery index, prognostic value of standard electrocardiographic criteria in patients with negative exercise electrocardiographic vs, 605
- Stroke
 complement C4 usefulness as predictor of, in patients with known or suspected coronary artery disease referred for coronary angiography, 164
 increased concentrations of leptin relation to history of myocardial infarction in the United States and, 240
 prior
 acute coronary syndrome and, 1
 prevalence of obstructive coronary artery disease in patients undergoing coronary angiography for suspected coronary artery disease with and without, 960
- Strong Heart Study, quantitative assessment of electrocardiographic ST depression for predicting new-onset heart failure in American Indians, 94
- ST-segment elevation myocardial infarction. *See also* Acute myocardial infarction with cardiogenic shock complicating treatment with percutaneous coronary intervention, prehospital triage usefulness in, 787
- cardiovascular magnetic resonance utility to predict left ventricular recovery after primary percutaneous coronary intervention for patients presenting with, 211
 delay in door-to-needle time impact on mortality in patients with, 1227
 fibrinolysis or primary percutaneous coronary intervention for, prevalence and prognostic implications of ST-segment deviations from ambulatory Holter monitoring after (a Danish Trial in Acute Myocardial Infarction-2 Sub-study), 937
 healing or healed, increased serum cardiac troponin T and, 1723
 iodinated contrast injections impact on percent diameter coronary arterial stenosis in, intracoronary pharmacotherapies trials and, 13
 modified glucose-insulin-potassium effect on free fatty acids, matrix metalloproteinases, and myoglobin in, 1614
 mortality in patients with left ventricular ejection fraction \leq 30% after percutaneous coronary intervention for, 793
 myocardial reperfusion in patients undergoing percutaneous coronary intervention with vs without diabetes mellitus in (from the EMERALD Trial), 206
 preprocedural N-terminal pro-brain natriuretic peptide usefulness in predicting angiographic no-reflow phenomenon during stent implantation in, 631
 rapid triage and transport for percutaneous coronary intervention in a rural health system of patients with, 944
 safety of drug-eluting stents in the coronary artery of patients at a single high-volume medical center with, 949
 size in patients transferred for primary percutaneous coronary intervention, relation of pain-to-balloon time and, 28
- Studies of a Targeted Risk Reduction Intervention through Defined Exercise (STRRIDE), exercise training amount and intensity effects on metabolic syndrome, 1759
- Surgery. *See also* Septal myectomy; Thrombectomy
 major non-cardiac, utility of B-type natriuretic peptide for predicting medium-term mortality in patients undergoing, 1310
 for unprotected left main coronary artery disease, comparison of drug-eluting stents vs, 970
 valve, and/or coronary artery bypass grafting, body mass index impact on early outcome and late survival in patients undergoing, 1702
- Survival
 body mass index impact in patients undergoing coronary artery bypass grafting and/or valve surgery on, 1702
 comparison among patients with connective tissue disease and cardiomyopathy (systemic sclerosis, systemic lupus erythematosus, and undifferentiated disease), 513
 for mitral regurgitation patients undergoing percutaneous coronary intervention for, 1218
 predictors in patients with end-stage renal disease evaluated for kidney transplantation, 1020
 valve structure in octogenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) and, 489
 valve structure in quadragenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) and, 1683
 valve structure in quinquagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) and, 1584
 valve structure in septuagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) and, 1157
 valve structure in sexagenarians having aortic valve replacement for aortic stenosis (\pm aortic regurgitation) with vs without coronary artery bypass grafting at a single US medical center (1993 to 2005) and, 1286
- Systolic anterior motion, after septal ablation in obstructive hypertrophic cardiomyopathy, frequency and mechanism of mitral regurgitation and, 1691
- Tachycardia
 designation and distribution of events in the Multicenter UnSustained Tachycardia Trial, 76

- supraventricular, differential effects of intravenous magnesium on atrioventricular node conduction in, 1249
- ventricular, Torsade de pointes, risk factors and predictors in patients with left ventricular systolic dysfunction receiving dofetilide of, 876
- Taiwanese adults, epidemiologic features of infective endocarditis involving native valves in, 1282
- Takotsubo cardiomyopathy (transient left ventricular apical ballooning syndrome) cardiac MRI in assessing myocardial viability and prognosis in, clinical features and usefulness of, 296
- "inverted" in young women, catecholamine-toxicity and, 1496 (Readers' Comments)
- serial electrocardiographic findings in women with, 106
- TAXUS IV, V, and VI studies, meta-analysis of angiographic vs intravascular ultrasound parameters of drug-eluting stent efficacy in, 621
- Telmisartan, valsartan effects on late lumen loss and inflammatory markers after sirolimus-eluting stent implantation in hypertensive patients vs, 1625
- Temperature, endothelium-dependent flow-mediated vasodilation in subjects without clinical evidence of cardiovascular disease relation to (from the Framingham Heart Study), 518
- Tendon rupture, simvastatin/ezetimibe therapy and, 152
- Terbutaline, maternal-fetal, for fetal complete heart block, atrial and ventricular rate response and patterns of heart rate acceleration during, 656
- Tetralogy of Fallot, surgically repaired, cardiac magnetic resonance imaging correlates of exercise capacity in patients with, 1446
- Thrombectomy, intracoronary, and 30-day mortality in patients with acute myocardial infarction, 1212
- Thrombocytopenia, in acute coronary syndrome patients after treatment with enoxaparin vs unfractionated heparin, 1734
- Thrombosis
- arterial, acute coronary syndrome and, 974 (Editor's Roundtable)
 - long-term rates with sirolimus- vs paclitaxel-eluting stents in an unselected population with coronary artery disease, 45
 - stent, intravascular ultrasound parameters after drug-eluting stent deployment associated with, 615
- Time interval between onset of early transmitral flow velocity and onset of early diastolic velocity ($T_{E/E}$). *See also* E/E' ratio
- measuring time difference between, for evaluation of left ventricular end-diastolic pressure in patients with normal systolic function and indeterminate E/E', 326
- Tissue Doppler imaging
- in arrhythmogenic right ventricular dysplasia/cardiomyopathy, utility of strain echocardiography and, 507
 - evaluation of cardiac adaptation to severe pulmonary hypertension, 1473
 - limitations of two-dimensional and three-dimensional proximal isovelocity surface area methods using, 1495 (Readers' Comments)
 - of right ventricular function after cardiac resynchronization therapy, 1434
 - tripplane, usefulness to predict acute response to cardiac resynchronization therapy, 476
 - velocity and strain dyssynchrony usefulness for predicting left ventricular reverse remodeling response after cardiac resynchronization therapy, 1263
- Tissue inhibitor of metalloproteinase-1, plasma matrix metalloproteinase-12, coronary artery disease and, 23
- Torsade de pointes, risk factors and predictors in patients with left ventricular systolic dysfunction receiving dofetilide of, 876
- Transesophageal echocardiography, valvular heart disease in rheumatoid arthritis characterization by, 496
- Transient left ventricular apical ballooning syndrome (Takotsubo cardiomyopathy) cardiac MRI in assessing myocardial viability and prognosis in, clinical features and usefulness of, 296
- "inverted" in young women, catecholamine-toxicity and, 1496 (Readers' Comments)
- serial electrocardiographic findings in women with, 106
- Treating to New Targets (TNT) Study, Post Hoc Analysis of, atorvastatin-induced very low low-density lipoprotein cholesterol levels in acute myocardial infarction, safety and efficacy of, 747
- Triage
- prehospital, ST-elevation myocardial infarction complicated by cardiogenic shock referred for percutaneous coronary intervention and, 787
 - rapid, and transport of ST-elevation myocardial infarction patients for percutaneous coronary intervention in a rural health system, 944
- Tricuspid annulus, radiofrequency ablation and angiographic analysis of anatomic relation of coronary arteries to mitral annulus and, 666
- Troponin I
- levels detectable below the 99th percentile range, coronary artery disease prediction and, 764
 - in patients with acute lower limb ischemia, 728
 - rapid assay brain natriuretic peptide in patients hospitalized with decompensated heart failure and (from the Evaluation Study of Congestive Heart Failure and Pulmonary Artery Catheterization Effectiveness Trial), 1427
- Troponin T
- frequency and cause of elevation in chronic hemodialysis patients from cardiovascular MRI study of, 885
 - outcome for healing or healed ST-elevation myocardial infarction and increased levels of, 1723
- Twins, identical, quadricuspid aortic valve diagnosed by echocardiography in two cases of, 1490
- Ultrasound
- Computed tomographic comparison of two devices, diagnosis of abdominal aortic aneurysms and, 1786
 - hand-carried device, value of limited cardiovascular examination on clinical management in an outpatient medical clinic using, 321
 - high-frequency vascular, and serum inflammatory markers usefulness to predict plaque rupture in patients with stable and unstable angina pectoris, 1341
 - intravascular
 - of clinical characteristics and arterial remodeling in Japanese patients age ≤ 55 , 56 to 69, and ≥ 70 years with acute myocardial infarction, 1713
 - of culprit coronary lesions in acute coronary syndrome and target coronary lesions in stable angina pectoris, virtual histology vs, 953
 - of gender differences in ruptured coronary plaque morphology and its associated clinical presentation, 185
 - guidance of direct stenting without predilatation vs conventional predilatation with a semi-compliant balloon vs predilatation with a new scoring balloon, nonrandomized comparison of, 812
 - meta-analysis of angiographic parameters of drug-eluting stent efficacy vs (from TAXUS IV, V, and VI), 621
 - parameters associated with stent thrombosis after drug-eluting stent deployment of, 615
 - of peri-stent reference segment plaque burden and disease progression in saphenous vein grafts, 1233
 - of sirolimus-eluting vs bare metal stent implantation in diseased saphenous vein grafts (from the RRISC trial), 52
 - of zotarolimus-eluting phosphorylcholine-coated cobalt-chromium alloy stent in de novo coronary lesions (from the ENDEAVOR II Trial), 818
 - speckle tracking (two-dimensional strain) analysis, of myocardial deformation in professional soccer players compared with healthy subjects and hypertrophic cardiomyopathy, 128
- Uninsured persons, drug-eluting stents utilization by, 1192
- Uric acid, usefulness to predict changes in C-reactive protein and IL-6 in 3-year period in Italians aged 21 to 98 years, 115
- Valsartan
- alone vs valsartan/simvastatin combination effects on ambulatory blood pressure, C-reactive protein, lipoproteins, and monocyte chemoattractant protein-1 in patients with hypertension and hyperlipidemia, 222
 - telmisartan effects on late lumen loss and inflammatory markers after sirolimus-eluting stent implantation in hypertensive patients vs, 1625
- Valvular heart disease
- possible association between 3,4-methylenedioxyamphetamine abuse and, 1442
 - transesophageal echocardiography characterization with rheumatoid arthritis, 496
- Vascular disease, serum osteoprotegerin as a biomarker for, 561 (Readers' Comments)
- Vascular surgery, statin withdrawal and frequency of cardiac events after, 316

- Vasodilation
- endothelium-dependent flow-mediated vasodilation in subjects without clinical evidence of cardiovascular disease relation to (from the Framingham Heart Study), 518
 - flow-mediated, in asymptomatic patients with heterozygous familial hypercholesterolemia, relation of coronary artery calcium to C-reactive protein and, 1119
- Ventricular arrhythmias, implantable cardioverter defibrillators and circadian, daily, and seasonal distributions of, 1134
- Ventricular complexes, premature, historical reflection on Massing report on coronary artery disease and, 911 (Readers' Comments)
- Ventricular dyssynchrony, M-mode echocardiography of, resynchronization therapy response prediction using, 84
- Ventricular long-axis contraction, as earlier predictor of outcome in asymptomatic aortic regurgitation, 1677
- Ventricular systolic reserve, in asymptomatic children previously treated with low doses of anthracyclines, 1303
- Vitamin D
- deficiency of, myopathy, statins and, 1328 (Readers' Comments)
 - statins and, 1329 (Readers' Comments)
- Von Willebrand factor, prognosis after acute myocardial infarction, serial changes in protease cleaving (ADAMTS13) and, 758
- Warfarin, in nonvalvular atrial fibrillation, vs dabigatran with or without concomitant aspirin (PETRO Study), 1419
- Weight lifters, Olympic, left ventricular mass in, 1177
- Weight loss, onsite dietitian counseling effect on lipid levels in an outpatient physician office and, 73
- Wenckebach effect, Mobitz II block misdiagnosis and, 1185 (Readers' Comment)
- White blood cells, admission levels of, left ventricular remodeling after anterior wall acute myocardial infarction and, 182
- Whitehall II Cohort Study, changes in heart rate and heart rate variability over time in middle-aged men and women in the general population, 524
- Whites. *See also* Caucasians; European Americans
- Asian vs non-Asian, with non-ST-segment elevation acute coronary syndromes, comparison of baseline characteristics, treatment patterns, and in-hospital outcomes, from the CRUSADE Quality Improvement Initiative, 391
 - men without clinical evidence of myocardial infarction, combined effect of high low-density lipoprotein cholesterol and metabolic syndrome on subclinical coronary atherosclerosis in, 835
- Women
- body mass index vs metabolic syndrome risk factors usefulness for 10-year cardiovascular disease prediction in, 1654
 - diagnostic accuracy of 64-slice multidetector computed tomographic angiography in men with angina pectoris vs, 1532
 - heart rate and blood pressure during exercise and sexual activity in, 1795
 - middle-aged, changes in heart rate and heart rate variability over time in the general population (from the Whitehall II Cohort Study), 524
 - with Takotsubo cardiomyopathy, serial electrocardiographic findings in, 106
 - young, catecholamine-toxicity and "inverted Takotsubo" pattern in, 1496 (Readers' Comments)
- Young adults, subclinical atherosclerosis detection using non-high-density lipoprotein cholesterol vs other lipoprotein measures in (The Bogalusa Heart Study), 64