

- Abdominal aortic aneurysm
 impact of glomerular filtration rate on prognostic value of minor TnT elevations in vascular surgery patients for, 1515
 maximal right-to-left diameters of, relation to weight of intraaneurysmal thrombi, 1519
 relation of N-Terminal Pro-BNP to postoperative cardiac events in patients undergoing surgery for, 111
- ACE inhibitors. *See* Angiotensin-converting enzyme inhibitors
- ACS. *See* Acute coronary syndrome
- Acute coronary syndrome
 anemia in men as predictor of outcomes in patients with, 580
 effects of gender on prognosis after PCI for, 1446
 with in-stent restenosis, association with adverse outcomes, 729
 non-ST-elevation
 CRP, TnT, and BNP in risk assessment of patients with, 1322
 effects of drug-eluting vs bare metal stents on biomarkers after PCI for, 1299 (Readers' Comments)
 efficacy of enoxaparin, 19
 need for CABG in patients with, 624
 prognostic significance of admission heart failure, 470
 temporal trends in use of early cardiac catheterization in patients with, 1172
 treated with drug-eluting stent, impact of low high-density lipoprotein cholesterol on outcomes of, 711
 prevalence and prognostic significance of metabolic syndrome after, 1429
 previous, relation of sICAM-1 to long-term risk of cardiovascular events and statin therapy in patients with, 861
 smoking and MMP-3 polymorphism in, 1012
 suspected, impact of bare metal stents vs drug-eluting stents on decision making of patients with previous PCI admitted for, 338
 symptoms in men and women, 1177
 without ST elevation, prognostic value of flow-mediated vasodilation of brachial artery in survivors of, 1424
- Acute myocardial infarction
 anterior wall
 effect of impaired myocardial reperfusion on left ventricular remodeling in patients with, 725
 left ventricular remodeling after, 1144
 myocardial contrast echocardiography in predicting late mortality in patients with, 1150
 echocardiographic and angiographic correlations in patients with cardiogenic shock secondary to, 1004
 effectiveness of prehospital wireless transmission of electrocardiograms to a cardiologist, 1160
 effects of carvedilol on reducing risk of events after, 1115
 efficacy of ramipril vs other ACE inhibitors after, 6
 gender-age interaction in early mortality following primary angioplasty for, 1140
 impact of ramipril on circadian periodicity of, 758
 in men vs women
 in-hospital mortality, 1000
 short- and long-term prognosis, 993
 non-ST-segment elevation
 early and late outcomes after primary PCI for, 331
 fractional flow reserve measurements to defer coronary revascularization in patients with, 289
 gender differences in, 160
 or unstable angina pectoris, results of PCI in men vs women, 182
 outcomes in patients <75 years of age vs ≥75 years of age treated with primary coronary angioplasty, 1018
 plasma B-type natriuretic peptides to predict subsequent left ventricular remodeling after coronary angioplasty in patients with, 453
 recognition and treatment of anxiety and depression in, 319
 recurrent, ST-segment deviation in, 10
 relation of ST-segment resolution to hyperglycemia after reperfusion for, 167
 relation to body mass index to clinical outcomes in, 474, 1556 (Readers' Comments)
- Acute renal failure, after thoracic aortic stent-graft placement, 458
- Adenosine
 ST-segment depression induced by, with normal perfusion, SPECT of, 1009
 venous infusion, in functional assessment of collateral circulation in chronic total coronary occlusion, 197
- Adiponectin, and renal function, relation to CVD risk, 1603
- Adiposity, influence in progression of left ventricular mass from childhood to young adulthood, 411
- Adults
 association between right ventricular structural alterations and markers of adverse clinical outcome in systemic right ventricle or transposition of the great arteries, 1277
 with atrial septal defect vs ventricular septal defect, prevalence of pericardial effusion in, 1103
 Chinese, prevalence of metabolic syndrome, 422 (Readers' Comments)
 healthy, relation of ambulatory blood pressure variability to TNF- α and CRP, 649
 young, predictors of left ventricular dilatation, 1234
- African-Americans
 diuretics vs beta blockers for congestive heart failure in, 568 (Readers' Comments)
 with systolic heart failure vs preserved ejection fraction, 806
- Age
 interaction with gender in early mortality following primary angioplasty for AMI, 1140
 relation to outcome of percutaneous mitral valvuloplasty, 1493
- Aged
 <60, 60 to 80, and >80 years, outcomes of PCI in, 1334
 <75 years of age vs ≥75 years of age, outcomes of AMI treated with primary coronary angioplasty, 1018
 55 years of age, with CVD, relation of cognitive dysfunction to B-type natriuretic peptides, 538
 70 years of age, mortality and left ventricle geometry in patients with normal ejection fraction, 1396
 ≥65 years of age
 relation of arterial stiffness to left ventricular diastolic function and CVD risk prediction, 1387
 relation of focal neurologic deficits and atrial fibrillation to impaired cognitive function in hospitalized patients, 1238
 ≥90 years of age, electrocardiographic findings, 1512
 nonagenarians, aortic valve replacement for aortic stenosis, 1251
 US women, magnesium intake, and risk of incident hypertension among, 1616
 veteran population, mortality rates in statin users vs nonstatin users in the United States, 923
- Aging, relation of plaque progression to low-density lipoprotein cholesterol during, 1419
- Air pollution, relation to hospital admissions for CHF in seven United States cities, 423 (Readers' Comments)
- Albumin, plasma levels, and risk of atrial fibrillation in men and women, 75
- Alcohol consumption
 relation to atrial natriuretic peptide, 628
 relation to coronary calcium in middle-aged Japanese men, 141
 relation to systemic hypertension, 1063
- Algorithms
 automated, from manufacturers of electrocardiographs, relation to QT interval measurements, 88
 for candidate selection for statin therapy, 739
- Allograft vasculopathy, coronary, detected by 64-slice multidetector computed tomography vs intravascular ultrasound, 877
- Ambulatory blood pressure, variability in healthy adults, relation to TNF- α and CRP, 649
- American Indians, gender differences in left ventricular systolic function of, 834
- American Journal of Cardiology*
 revising manuscripts after studying reviewers' comments, 989 (From the Editor)
- AMI. *See* Acute myocardial infarction

- Amino-terminal Pro-BNP. *See* N-Terminal Pro-BNP
- Amplatzer device, embolic stroke due to a left atrial thrombus two years after placement of, 1294
- Analgesics, nonopioid, need for a systematic review on safety concerns of, 1667 (Readers' Comments)
- Androgenic anabolic steroids, effects on left ventricular diastolic function in male body builders, 1122 (Readers' Comments)
- Anemia
 - effect on in-hospital mortality in patients with vs without preserved left ventricular ejection fraction, 1631
 - in men, as predictor of outcomes in acute coronary syndrome patients, 580
 - and renal dysfunction, relation to chronic heart failure, 391
- Aneurysm
 - abdominal aortic
 - impact of glomerular filtration rate on prognostic value of minor TnT elevations in vascular surgery patients for, 1515
 - maximal right-to-left diameters of, relation to weight of intraaneurysmal thrombi, 1519
 - relation of N-Terminal Pro-BNP to postoperative cardiac events in patients undergoing surgery for, 111
 - giant coronary artery, causing superior vena cava syndrome and congestive heart failure, 986
- Angina pectoris
 - and/or healed myocardial infarction, IL-6 and risk of future CAD in patients with, 14
 - coronary computed tomographic angiography to assess suitability for revascularization in patients with, 1198
 - prevalence and predictors one month after myocardial infarction, 282
 - stable
 - angiogenic factors in, 424 (Readers' Comments)
 - effects of gender on prognosis after PCI for, 1446
 - safety and efficacy of short-term celecoxib before elective PCI for, 1461
 - stable vs unstable
 - fractional flow reserve measurements to defer coronary revascularization in patients with, 289
 - outcome of PCI for, 447
 - unstable
 - or non-ST-elevation AMI, results of PCI in men vs women, 182
 - relation to heart rate variability to serum CRP, 1298 (Readers' Comments)
- Angiogenesis, therapeutic, catheter-based intramyocardial autologous bone marrow cell implantation for, 60
- Angiogenic factors, relation to development of collateral vessels, angiographic evaluation, 423 (Readers' Comments)
- Angiography. *See* Coronary angiography
 - cardiac multidetector computed tomographic, tissue Doppler imaging to guide current modulation in, 603
 - contrast-enhanced MRI in detection of myocardial scar in CAD, 709 (Readers' Comments)
 - in patients with cardiogenic shock secondary to AMI, 1004
 - relation of development of collateral vessels to angiogenic factors, 423 (Readers' Comments)
- Angioplasty
 - coronary. *See* Coronary angioplasty
 - cutting balloon
 - for pulmonary vein in-stent stenosis, 407
 - vs sirolimus-stent implantation, for drug-eluting coronary stent restenosis, 1451
 - primary
 - for AMI, gender-age interaction in early mortality following, 1140
 - effects of glucose-insulin-potassium infusion on myocardial perfusion and left ventricular remodeling in STEMI patients treated with, 1349
- Angiotensin-converting enzyme inhibitors, vs ramipril, efficacy after AMI, 6
- Angiotensin II, in CABG patients, effects of CRP and cholesterol on responsiveness of internal thoracic artery to, 751
- Ankle-brachial index, association with carotid intimal media thickness in the Rancho Bernardo Study, 1105
- Annuloplasty, successful vs unsuccessful, for ischemic mitral regurgitation, echocardiographic predictors of, 504
- Anomalous coronary arteries, diagnosed by multislice computed tomographic coronary angiography, 402
- Anti-heparin/platelet 4 antibody titers, elevated in patients undergoing cardiac catheterization, 419
- Antihypertensive drugs, development of diabetes mellitus in CAD patients treated with, 890
- Anxiety, in AMI, recognition and treatment of, 319
- Aortic aneurysm
 - abdominal. *See* Abdominal aortic aneurysm
 - ascending, diagnostic accuracy of computed tomography vs transthoracic echocardiography, 966
- Aortic dilation
 - ascending, progression in patients with normally functioning bicuspid and tricuspid aortic valves, 249
 - in children with Marfan's syndrome vs with bicuspid aortic valve, 1094
 - progression in children with a functionally normal bicuspid aortic valve, 828
- Aortic stenosis
 - efficacy of same day PCI followed by minimally invasive aortic valve replacement, 1501
 - and low ejection fraction undergoing aortic valve replacement, prognostic value of preoperative atrial fibrillation in patients with, 809
 - in nonagenarians, aortic valve replacement for, 1251
- Aortic valve
 - bicuspid
 - with or without coarctation of the aorta, morphology and function of, 1096
 - and tricuspid, progression of ascending aortic dilation in patients with normal function of, 249
 - vs with Marfan's syndrome, pattern of aortic dilation in children with, 1094
 - functionally normal bicuspid, progression of aortic dilation in children with, 828
 - native, periannular lesions in infective endocarditis of, 1254
 - prosthetic, periannular lesions in infective endocarditis of, 1261
- Aortic valve replacement
 - for aortic stenosis in nonagenarians, 1251
 - minimally invasive, for aortic stenosis and moderate CAD, efficacy of same day elective PCI followed by, 1501
 - prognostic value of preoperative atrial fibrillation in patients with aortic stenosis and low ejection fraction, 809
- Aortocoronary fistula, inadvertent, after CABG, 1665
- apo-AI. *See* Apolipoprotein-AI
- apo-B. *See* Apolipoprotein-B
- Apolipoprotein-AI, vs apo-B, in patients with vs without metabolic syndrome, 1369
- Apolipoprotein-AI Milano, to increase high-density lipoprotein cholesterol, 1546
- Apolipoprotein B, vs apo-AI, in patients with vs without metabolic syndrome, 1369
- Apoptosis, in acutely decompensated chronic heart failure, effects of dobutamine vs levosimendan, 102, 1123 (Readers' Comments)
- L-Arginine, with losartan, effects on nitric oxide production, endothelial cell function and hemodynamics of heart failure patients secondary to CHD, 172
- Arrhythmia, ventricular, in patients with decompensated advanced heart failure secondary to ischemic or dilated cardiomyopathy, effect of levosimendan on, 1641
- Arterial hypertension, pulmonary, effects of vasodilator therapy on right ventricular function assessed by two-dimensional strain and tissue Doppler echocardiography in patients with, 530
- Arterial stiffening
 - cardiac and peripheral, in patients with uncomplicated hypertension vs with hypertension after heart transplantation, 789
 - relation to left ventricular diastolic function and CVD risk prediction in patients ≥ 65 years of age, 1387
- Ascending aortic aneurysm. *See* Aortic aneurysm
- Aspirin
 - dose, preparation and withdrawal of, effect on platelet response in normal volunteers, 838
 - plus clopidogrel, effect on ST-segment resolution in patients with STEMI, 1435
 - in primary prevention trials of cardiovascular events, 746
 - relation of dose to bleeding risks, 275 (Readers' Comments)
 - resistance to
 - frequency in a community hospital, 577
 - after PCI, use in predicting one-year major adverse coronary events, 1156

- relation to atherosclerosis risk factors, 774
- Assynchrony
 diastolic, and left ventricular diastolic function as determinants of response to CRT, 1083
 left ventricular contractile, in patients with type 2 diabetes mellitus without evident heart disease, 1525
- Atherectomy, rotational, effects of verapamil vs nicorandil on incidence of slow flow/no reflow during, 1354
- Atherosclerosis
 association with lipid indexes, 1047
 cause and prevention, 1550 (Editorial)
 coronary plaque size after statin therapy, predicted by low-density lipoprotein cholesterol, 866
 regression, effect on luminal size of coronary arteries determined by intravascular ultrasound, 23
 remodeling and plaque distribution of stenotic left anterior descending coronary arterial bifurcation lesions, intravascular ultrasound of, 193
 risk factors for, relation to aspirin resistance, 774
- Athletes, male bodybuilders, effects of androgenic anabolic steroids on left ventricular diastolic function in, 1122 (Readers' Comments)
- Atorvastatin
 effect on glucose metabolism in patients with metabolic syndrome, 66
 effect on recurrence of atrial fibrillation after electrical cardioversion, 1299 (Readers' Comments)
 for heart failure secondary to inflammatory dilated cardiomyopathy and elevated low-density lipoprotein cholesterol levels, 707 (Readers' Comments)
 low-density lipoprotein cholesterol as predictor of coronary atherosclerotic plaque size after, 866
 vs rosuvastatin, in hypercholesterolemic Hispanic-Americans, 768
- Atrial appendage, left, thrombus detection by transesophageal echocardiography, 1120 (Readers' Comments)
- Atrial fibrillation
 and atrial flutter, diagnostic accuracy of irregularly irregular RR interval, 209
 determinants of thoracic electrical impedance in external electrical cardioversion of, 82
 and focal neurologic deficits, relation to impaired cognitive function in hospitalized patients ≥ 65 years of age, 1238
 idiopathic, associated with regular supraventricular tachycardias, 1242
 with or without hypertension, CRP in, 991 (Readers' Comments)
 paroxysmal, with or without structural heart disease, efficacy of azilimide for sinus rhythm maintenance in patients with, 215
 persistent, determinants of sudden cardiac death in patients with, RACE study, 929
 preoperative, prognostic value in patients with aortic stenosis and low ejection fraction undergoing aortic valve replacement, 809
 recurrence after electrical cardioversion, effect of atorvastatin, 1299 (Readers' Comments)
 risk in men and women, relation to plasma albumin and fibrinogen, 75
- Atrial flutter, and atrial fibrillation, diagnostic accuracy of irregularly irregular RR interval, 209
- Atrial natriuretic peptides. *See* Natriuretic peptides, atrial
- Atrial repair, for transposition of the great arteries, pregnancy outcomes after, 668
- Atrial septal defect, vs ventricular septal defect, prevalence of pericardial effusion in adults with, 1103
- Atrial septostomy, balloon, association with preoperative stroke in neonates with transposition of the great arteries, 277 (Readers' Comments)
- Atrial shunts, relation to migraine in patients with ischemic stroke and peripheral emboli, 831
- Atrial stress echocardiography, pacing, overview and clinical applications, 549
- Atrial thrombus, left, two years after placement of Amplatzer device, causing embolic stroke, 1294
- Atrial volume, left
 assessed by two-dimensional echocardiography, 1185
 relation to B-type natriuretic peptide in patients with stable chronic heart failure, 98
- Atrioventricular optimization, using Doppler echocardiography in CRT patients, 780
- Autologous bone marrow cells, catheter-based intramyocardial implantation, for therapeutic angiogenesis, 60
- Autologous bone marrow-derived mononuclear cells, intracoronary transplantation, effects on outcomes of patients with refractory chronic heart failure secondary to ischemic cardiomyopathy, 597
- Automated algorithms, from manufacturers of electrocardiographs, relation to QT interval measurements, 88
- Autonomic markers, in patients with decompensated advanced heart failure secondary to ischemic or dilated cardiomyopathy, effect of levosimendan on, 1641
- Azilimide, efficacy in maintenance of sinus rhythm of patients with paroxysmal atrial fibrillation with or without structural heart disease, 215
- Balloon angioplasty, cutting, for pulmonary vein in-stent stenosis, 407
- Balloon atrial septostomy, association with preoperative stroke in neonates with transposition of the great arteries, 277 (Readers' Comments)
- Balloon mitral valvuloplasty, percutaneous, in pregnant patients with rheumatic mitral stenosis, 812
- Bare metal stents, vs drug-eluting stents
 impact on decision making of patients with previous PCI admitted for suspected acute coronary syndrome, 338
 for PCI of internal mammary artery, 722
- Beta-adrenergic blocking agents
 and implantable cardioverter therapy, mortality benefits of, 1245
 prognostic value of cardiopulmonary exercise variable in chronic heart failure patients with or without, 500
 vs diuretics, for congestive heart failure in African-American patients, 568 (Readers' Comments)
- Beta blockers. *See* Beta-adrenergic blocking agents
- 11β -hydroxysteroid dehydrogenase, and metabolic syndrome and systemic hypertension, 544
- Bicuspid aortic valve
 functionally normal, progression of aortic dilation in children with, 828
 with or without coarctation of the aorta, morphology and function of, 1096
 vs with Marfan's syndrome, pattern of aortic dilation in children with, 1094
- Bifurcation lesions
 acute and long-term results of stenting for, 1214
 of stenotic left anterior descending coronary arteries, intravascular ultrasound of atherosclerotic vessel remodeling and plaque distribution of, 193
- Biolimus A9 drug-eluting stent, angiographic results for de novo coronary lesions, 443
- Biomarkers
 of inflammation, in patients with mild hypercholesterolemia, effects of colesevelam hydrochloride, 641
 after PCI for non-ST-elevation ACS, effects of drug-eluting vs bare metal stents, 1299 (Readers' Comments)
- Biventricular repair
 for PAIVS, fertility, pregnancy, and delivery after, 259
 for PAVSD, pregnancy after, 262
- Blacks, vs whites, effectiveness of implantable cardioverter-defibrillators, 1383
- Bleeding. *See* Hemorrhage
- Blood pressure
 ambulatory, variability in healthy adults, relation to TNF- α and CRP, 649
 peak systolic, on graded maximal exercise test and BP response to submaximal exercise, 938
- BNP. *See* Natriuretic peptides, B-type
- Body mass index
 association with marijuana use, 478
 effect on long-term mortality risk after CABG, 734
 relation to clinical outcomes in AMI, 474, 1556 (Readers' Comments)
 vs waist circumference, in identifying differences in insulin sensitivity and CVD risk factors, 1053
- Body surface maps, to demonstrate ventricular activation during left ventricular pacing and reentrant activation during ventricular tachycardia in men, 591
- Bone marrow cells, autologous catheter-based intramyocardial implantation, for therapeutic angiogenesis, 60
- Bone marrow-derived mononuclear cells, autologous intracoronary transplantation, effects on outcomes of patients with refractory chronic heart failure secondary to ischemic cardiomyopathy, 597
- BP. *See* Blood pressure

- Brachial artery
 flow-mediated vasodilation of, prognostic value in survivors of acute coronary syndromes without ST elevation, 1424
 reactivity, and extent of CAD in patients with first STEMI, 754
- Brachytherapy
 intracoronary, vs sirolimus-stent implantation, for drug-eluting coronary stent restenosis, 1451
 intravascular, vs drug-eluting stents, for patients with drug-eluting stent restenosis, 1340
- B-type natriuretic peptides. *See* Natriuretic peptides, B-type
- Bundle branch block
 incident complete left, prognostic significance, 644
 left, undergoing coronary angiography, predictors of CAD in patients with, 1307
 right, in heart transplant recipients, prevalence, patterns of development and prognosis of, 1288
- Bx Velocity stent, safety and efficacy in treatment of de novo coronary artery lesions, 1455
- CABG. *See* Coronary artery bypass grafting
- CAD. *See* Coronary artery disease
- Caffeine, effects on vasodilation, 1538
- Calcifications
 detected by intravascular ultrasound, role in STEMI, 309
 mitral valve, severity in rheumatic mitral stenosis, relation to plasma soluble osteopontin, 817
- Calcium
 cardiovascular, in chronic kidney disease, prevalence and predictors of, 571
 coronary, relation to alcohol consumption in middle-aged Japanese men, 141
 relation to magnesium intake and cardiovascular risk, 140 (Readers' Comments)
- Cardiac arrest
 out-of-hospital, epinephrine with vasopressin for, 1316
 ventricular fibrillation out-of-hospital, in patients with ischemic and nonischemic heart disease, long-term outcomes after, 587
- Cardiac catheterization
 early, in patients with non-ST-segment elevation acute coronary syndrome, temporal trends in use of, 1172
 elevated anti-heparin/platelet 4 antibody titers in patients during, 419
- Cardiac death, sudden
 determinants in patients with persistent atrial fibrillation, RACE study, 929
 risk of, relation to implanted cardiac defibrillator and renal function in patients with ischemic left ventricular dysfunction, 485
- Cardiac repolarization, fetal, abnormalities of, 491
- Cardiac resynchronization therapy
 atrioventricular optimization using Doppler echocardiography in patients, 780
 in patients with systolic left ventricular dysfunction and mild heart failure secondary to ischemic or nonischemic cardiomyopathy, 230
 response to, determined by diastolic asynchrony and left ventricular diastolic function, 1083
 Velocity Vector Imaging method to quantify ventricular dyssynchrony and predict response to, 949
- Cardiac surgery, outcomes in Jehovah's vs non-Jehovah's witnesses, 1223
- Cardiogenic shock, secondary to AMI, echocardiography and angiography, 1004
- Cardiomyopathy
 association with isolated ventricular noncompaction, 821, 1558 (Readers' Comments)
 Fabry's, impact of enzyme replacement therapy on cardiac morphology and function in, 1557 (Readers' Comments)
 late enhancement in, 1557 (Readers' Comments)
 hypertrophic. *See* Hypertrophic cardiomyopathy
 inflammatory dilated, atorvastatin for heart failure secondary to, 707 (Readers' Comments)
 ischemic. *See* Ischemic cardiomyopathy
 predictors of improved left ventricular systolic function in, 1622
- Cardiopulmonary exercise testing. *See* Exercise testing
- Cardiopulmonary resuscitation
 bystander, time-dependent benefit for ventricular fibrillation arrest, 497
 out-of-hospital, effects of thrombolysis during, 426 (Readers' Comments), 570 (Readers' Comments)
- Cardiorespiratory fitness, vs excess weight, impact on CVD risk, 1468
- Cardiovascular disease
 complementary and alternative medicine for, 673
 long-term risk, relation to statin therapy and sICAM-1 in patients with previous acute coronary syndrome, 861
 primary prevention trials using aspirin, 746
 relation of cognitive dysfunction to B-type natriuretic peptides in adults >55 years of age with, 538
- risk
 impact of cardiorespiratory fitness vs excess weight, 1468
 and left ventricular diastolic function, in patients ≥ 65 years of age, relation to arterial stiffness, 1387
 multifactor risk reduction in medically underserved, high-risk patients, 1472
 relation to borderline peripheral arterial disease, 1226
 relation to calcium and magnesium intake, 140 (Readers' Comments)
 relation to renal function and adiponectin, 1603
- risk factors for
 association with marijuana use, 478
 and cognitive impairment, role of Mediterranean diet and unsaturated fatty acids, 1120 (Readers' Comments)
 identified by waist circumference vs body mass index, 1053
 role of renin-angiotensin-aldosterone system and proinflammatory mediators in, 121, 1556 (Readers' Comments)
- subclinical
 in a community-based multiethnic population, assessed by Framingham risk score vs ultrasound, 1374
 in obesity, effect of weight loss due to lifestyle intervention, 1593
- CardioVascular Medicine Heart Failure index, as prognostic tool for heart failure, 1076
- Cardioversion, electrical
 effect of atorvastatin on atrial fibrillation recurrence after, 1299 (Readers' Comments)
 external, of atrial fibrillation, determinants of thoracic electrical impedance in, 82
- Cardioverter-defibrillator, implantable
 and beta blockers, mortality benefits of, 1245
 effectiveness in blacks vs whites, 1383
 impact on costs and quality of life, 1409
 management of pericardial tamponade after placement of, 223
 prognostic significance of wall motion abnormalities in patients with, 1301
 prophylactic, individualizing decisions for patients with, 1291 (Editorial)
 psychological distress in patients with, 565 (Editorial)
 relation to renal function and risk of sudden cardiac death in patients with ischemic left ventricular dysfunction, 485
- Carotid artery disease, severe, treated with or without statins, incidence of new stroke or myocardial infarction or death in patients with, 1170
- Carotid intimal media thickness, association with ankle-brachial index in the Rancho Bernardo Study, 1105
- Carvedilol
 effects on reducing risk of events after AMI, 1115
 for heart failure, predictors of clinical outcomes, 1480
- Cavopulmonary failure, isolated, vs systemic ventricle heart failure, B-type natriuretic peptides in single ventricle patients with, 520
- CD14 C260T promoter polymorphism, influence on CRP levels in CAD patients, 1182
- CD44-v6, expression in smooth muscle cells in postnatal remodeling of ductus arteriosus, 708 (Readers' Comments)
- Celecoxib, short-term, safety and efficacy before elective PCI for stable angina pectoris, 1461
- CHD. *See* Coronary heart disease
- Chest pain
 atypical, fractional flow reserve measurements to defer coronary revascularization in patients with, 289
 non-ST-segment elevation, relation of white blood cell count on admission to one-year outcomes in patients with, 885
 troponin-positive, contrast-enhanced MRI in detection of myocardial scar in, 709 (Readers' Comments)
- Children. *See* Pediatrics
- China, 1-child policy in, 425 (Readers' Comments)

- Chinese, adults, prevalence of metabolic syndrome, 422 (Readers' Comments)
- Cholesterol**
 effects on responsiveness of internal thoracic artery to angiotensin II in CABG patients, 751
 serum total, relation to survival in heart failure, 653
- Cholesterol ester transfer protein, inhibition of, to increase high-density lipoprotein cholesterol, 1544
- Chronic heart failure. *See* Heart failure
- Chronic kidney disease. *See* Kidney disease
- Circadian periodicity, of AMI, impact of ramipril, 758
- Clinical trials
 acronym names for, 276 (Readers' Comments)
 effects of statins on CAD, 129 (editorial)
 randomized, of drug-eluting stents for prevention of in-stent restenosis, review of, 375
- Clopidogrel
 to abolish increased risk of reinfarction associated with high platelet counts in STEMI patients, 761
 with glycoprotein IIb/IIIa inhibitors, efficacy and safety in non-ST-segment elevation myocardial infarction, 1125
 high-dose vs standard dose, effects on platelet inhibition in healthy volunteers, 681
 plus aspirin, effect on ST-segment resolution in patients with STEMI, 1435
- Coarctation of the aorta, morphology and function of bicuspid aortic valve with or without, 1096
- Cocaine, and methadone, effects on QTc interval prolongation, 1121 (Readers' Comments)
- Cognitive dysfunction
 and CVD risk factors, role of Mediterranean diet and unsaturated fatty acids, 1120 (Readers' Comments)
 in hospitalized patients ≥ 65 years of age, relation to focal neurologic deficits and atrial fibrillation, 1238
 relation to B-type natriuretic peptides in adults > 55 years of age with CVD, 538
- Colesevelam hydrochloride, effects on inflammatory biomarkers in patients with mild hypercholesterolemia, 641
- Collateral circulation
 and appropriate cut-off value for coronary flow velocity reserve, in diagnosis of significant donor left anterior descending artery stenosis, 298
 coronary, humoral, and cellular factors for formation of, 1194
 coronary vessel development, relation to angiogenic factors, 423 (Readers' Comments)
 functional assessment in chronic total coronary occlusion using transthoracic Doppler echocardiography and venous adenosine infusion, 197
 prognostic significance in coronary revascularization, 31
 to the right coronary artery and inferior left ventricular wall after CABG, detected by transesophageal Doppler echocardiography, 1587
- Community hospital, frequency of aspirin resistance, 577
- Complementary and alternative medicine, for CVD, 673
- Computed tomography. *See also* Optical coherence tomography
- 64-slice
 multidetector, vs intravascular ultrasound, to detect coronary allograft vasculopathy, 877
 multislice, diagnostic accuracy for significant CAD, 145
 vs intravascular ultrasound, to quantify coronary minimal lumen area in intermediate stenosis, 871
 coronary angiography, to assess suitability for revascularization in patients with CAD and angina pectoris, 1198
- multidetector
 cardiac angiography, tissue Doppler imaging to guide current modulation in, 603
 vs cardiac magnetic resonance delayed hyperenhancement, detection of healed myocardial infarction, 149
 multislice, coronary angiography, for diagnosis of anomalous coronary arteries, 402
 recent vs chronic myocardial infarction, 303
 vs transthoracic echocardiography, diagnostic accuracy for ascending aortic aneurysm, 966
- Congenital heart disease
 cyanotic, pathogenesis of thrombocytopenia in, 254
 after ventriculotomy, signal-averaged electrocardiography in assessment of, 1646
- Congestive heart failure
 in African-American patients, diuretics vs beta blockers for, 568 (Readers' Comments)
 hospital admissions for, relation to air pollution in seven United States cities, 423 (Readers' Comments)
 and superior vena cava syndrome, caused by giant coronary artery aneurysm, 986
- Contractile asynchrony, left ventricular, in patients with type 2 diabetes mellitus without evident heart disease, 1525
- Contractile function, left atrial, in asymptomatic patients with hereditary hemochromatosis, 954
- Contrast agents, administration of, to reduce interobserver variability in determination of left ventricular ejection fraction in patients with left ventricular dysfunction and good baseline endocardial border delineation, 1110
- Contrast echocardiography, myocardial, in predicting late mortality in patients with anterior wall AMI, 1150
- Coronary allograft vasculopathy, detected by 64-slice multidetector computed tomography vs intravascular ultrasound, 877
- Coronary angiography
 64-slice multidetector computed tomography vs intravascular ultrasound, to detect coronary allograft vasculopathy, 877
 computed tomographic, to assess suitability for revascularization in patients with CAD and angina pectoris, 1198
 multislice computed tomographic, for diagnosis of anomalous coronary arteries, 402
 outcomes after placement of multiple overlapping drug-eluting stents in diffuse lesions, 918
 of patients for liver transplantation, 178
 predictors of CAD in patients with left bundle branch block, 1307
 prevalence of ectasia in coronary arteries in patients in Northern Greece referred for, 314
 prevalence of narrowing $\geq 50\%$ of the left main coronary artery among patients during, 1202
 results of biolimus A9 drug-eluting stent for de novo coronary lesions, 443
 white blood cell count in an unselected population referred for, 1189
- Coronary angioplasty
 in AMI patients, plasma B-type natriuretic peptides to predict subsequent left ventricular remodeling after, 453
- primary
 influence of transmural, infarct size and severe microvascular obstruction on left ventricular function and remodeling after, 1033
 outcomes of AMI in patients < 75 years of age vs ≥ 75 years of age treated with, 1018
 vs CABG, for unprotected left main coronary artery stenosis, 54
- Coronary arteries
 anomalous, diagnosed by multislice computed tomographic coronary angiography, 402
 calcium, relation to alcohol consumption in middle-aged Japanese men, 141
 left anterior descending, intravascular ultrasound of atherosclerotic vessel remodeling and plaque distribution of stenotic bifurcation lesions, 193
 left main
 prevalence of narrowing $\geq 50\%$ among patients having coronary angiography, 1202
 relation of plaque progression to low-density lipoprotein cholesterol during aging, 1419
 luminal size, effect of atherosclerosis regression on, 23
 minimal lumen area in intermediate stenosis, quantified by 64-slice computed tomography vs intravascular ultrasound, 871
 plaque morphology, interpretation by optical coherence tomography, 156
 prevalence of ectasia in patients in Northern Greece referred for coronary angiography, 314
 right, intramyocardial collateral flow after CABG, detected by transesophageal Doppler echocardiography, 1587
- Coronary artery aneurysm, giant, causing superior vena cava syndrome and congestive heart failure, 986

- Coronary artery bypass grafting
 effect of body mass index on long-term mortality risk after, 734
 effects of CRP and cholesterol on responsiveness of internal thoracic artery to angiotensin II, 751
 inadvertent aortocoronary fistula after, 1665
 isolated, prolonged QRS duration as predictor of LCOS with impaired left ventricular systolic function in patients treated with, 1357
 need for, in patients with non-ST-segment elevation acute coronary syndrome, 624
 in patients with or without diabetes mellitus, functional status after, 619
 SSRI before, 42, 1667 (Readers' Comments)
 transesophageal Doppler echocardiographic detection of intramyocardial collateral flow to the right coronary artery and inferior left ventricular wall after, 1587
 vs coronary angioplasty, for unprotected left main coronary artery stenosis, 54
- Coronary artery disease
 clinical trial data on effects of statins, 129 (Editorial)
 coronary computed tomographic angiography to assess suitability for revascularization in patients with, 1198
 development of diabetes mellitus in patients taking antihypertensive drugs, 890
 in diabetes mellitus patients, treated with sirolimus-eluting stents vs paclitaxel-eluting stents, 187
 diagnosis using exercise testing and B-type natriuretic peptides, 764
 diffuse lesions, outcomes after placement of multiple overlapping drug-eluting stents, 918
 effects of extended-release niacin on lipoprotein particle size and inflammatory markers in patients with, 743
 extent of, and brachial reactivity, in patients with first STEMI, 754
 future, risk in patients with angina pectoris and/or healed myocardial infarction, relation to IL-6, 14
 impact of PCI on CRP and IL-6 levels, 915
 influence of CD14 C260T promoter polymorphism in CRP levels in patients with, 1182
 minimal angiographic, contrast-enhanced MRI in detection of myocardial scar in, 709 (Readers' Comments)
 moderate, efficacy of same day PCI followed by minimally invasive aortic valve replacement, 1501
 multivessel, and chronic total occlusion, impact on long-term mortality in STEMI patients, 1165
 predictors in patients with left bundle branch block undergoing coronary angiography, 1307
 prognosis of, and CRP levels, relation to reduction of low-density lipoprotein cholesterol, 135 (Editorial)
 relation of diastolic dysfunction and left ventricular remodeling to obesity in patients without, 116
 relation to microalbuminuria in patients with or without diabetes, 279
 significant, diagnostic accuracy of 64-slice multislice computed tomography, 145
 two-dimensional strain echocardiography in evaluation of left ventricular diastolic dysfunction in, 1581
- Coronary artery occlusion, total, angiogenic factors in, 424 (Readers' Comments)
- Coronary artery perforations
 complicating PCI, treated with polytetrafluoroethylene stent graft, 370
 during PCI, management and outcomes of, 911
- Coronary artery stenting
 single-vessel, effect of diabetes mellitus on 5-year outcomes after, 718
 successful, relation of soft plaque and elevated preprocedural high-sensitivity CRP levels to incidence of in-stent restenosis after, 341
- Coronary collaterals, formation of, humoral and cellular factors for, 1194
- Coronary heart disease
 association of Duke prognostic treadmill scores with change in P-wave duration during exercise tolerance tests, 786
 body surface maps to demonstrate ventricular activation during left ventricular pacing and reentrant activation during ventricular tachycardia in men with, 591
 and diabetes mellitus, 842 (Editor's Roundtable)
 effects of losartan with L-arginine on nitric oxide production, endothelial cell function and hemodynamics of patients with heart failure secondary to, 172
 and mortality, predicted by ventricular premature complexes, 1609
 nocturia as a mortality risk factor among persons born in 1920 or 1921, 1311
 risk
 equivalents, lipid levels in a contemporary medical population with, 1231
 non-high-density lipoprotein and very-low-density lipoprotein cholesterol as predictor of, 1363
- Coronary lesions
 de novo
 angiographic results of biolimus A9 drug-eluting stent for, 443
 safety and efficacy of sirolimus-eluting Bx Velocity stent in treatment of, 1455
 polymer-based vs nonpolymer-based paclitaxel-eluting stents, 1022
 single, outcomes after extensive coverage with drug-eluting stent implantation in, 357
- Coronary occlusion, chronic total, functional assessment of collateral circulation using transthoracic Doppler echocardiography and venous adenosine infusion, 197
- Coronary revascularization
 in patients with stable or unstable angina pectoris, non-ST-elevation AMI, STEMI or atypical chest pain, fractional flow reserve measurements in deferring of, 289
 previous, and in healthy volunteers, effects of EECF on resting oxygen uptake in patients with, 613
 prognostic significance of collaterals, 31
- Coronary sinus ostium, MRI of, 1400
- Coronary stenosis, unprotected left main, CABG vs coronary angioplasty for, 54
- Coronary stenting, unprotected left main, EuroSCORE as predictor of death and myocardial infarction after, 1567
- Corrections, 278, 427, 428, 1418
- Costs
 of implantable cardioverter-defibrillators, 1409
 of temporary pacing using active fixation leads and an externally placed reusable permanent pacemaker, 1613
- Counterpulsation, enhanced external. *See* Enhanced external counterpulsation
- CPR. *See* Cardiopulmonary resuscitation
- C-reactive protein
 in atrial fibrillation with or without hypertension, 991 (Readers' Comments)
 and CAD prognosis, relation to reduction of low-density lipoprotein cholesterol, 135 (Editorial)
 effects on responsiveness of internal thoracic artery to angiotensin II in CABG patients, 751
 elevated preprocedural high-sensitivity, and soft plaque, relation to incidence of in-stent restenosis after successful coronary artery stenting, 341
 and IL-6, in CAD patients, impact of PCI, 915
 levels in CAD patients, influence of CD14 C260T promoter polymorphism, 1182
 in metabolic syndrome patients, effects of rosiglitazone, 1057
 in predicting mortality among stable hemodialysis patients, 1283
 reduction with simvastatin in patients with type 2 diabetes mellitus, time-course of, 1656
 relation to ambulatory blood pressure variability in healthy adults, 649
 in risk assessment of patients with non-ST-elevation coronary syndromes and preserved systolic function, 1322
 and risk of death or myocardial infarction, relation to PCI using sirolimus-eluting stents, 616
 serum
 relation to heart rate variability in unstable angina, 1298 (Readers' Comments)
 relation to survival in heart failure, 653
- CRP. *See* C-reactive protein
- CRT. *See* Cardiac resynchronization therapy
- Cutting balloon angioplasty
 for pulmonary vein in-stent stenosis, 407
 vs sirolimus-stent implantation, for drug-eluting coronary stent restenosis, 1451
- CVD. *See* Cardiovascular disease
- CVM-HF index. *See* CardioVascular Medicine Heart Failure index
- Cyanotic congenital heart disease, pathogenesis of thrombocytopenia in, 254
- Cypher stents
 frequency and severity of plaque prolapse within, 1206
 undeployed, failure to retrieve, 426 (Readers' Comments)

- D4F, to increase high-density lipoprotein cholesterol, 1546
- Death
- in heart failure, pulmonary embolism as cause of, 1073
 - incidence in patients with severe carotid artery disease treated with or without statins, 1170
 - or myocardial infarction, risk of, and CRP levels, relation to PCI using sirolimus-eluting stents, 616
 - after unprotected left main coronary stenting, predicted by EuroSCORE, 1567
- Decision making
- individualized, for patients with prophylactic implantable cardioverter-defibrillators, 1291 (Editorial)
 - of patients with previous PCI admitted for suspected acute coronary syndrome, impact of bare metal stents vs drug-eluting stents, 338
- Delivery, after biventricular repair for PAIVS, 259
- Depression, in AMI, recognition and treatment of, 319
- Diabetes mellitus
- and coronary heart disease, 842 (Editor's Roundtable)
 - coronary restenosis in patients with vs without, 1218
 - development in CAD patients taking antihypertensive drugs, 890
 - effect on 5-year outcomes after single-vessel coronary stenting, 718
 - functional status after CABG in patients with or without, 619
 - lipid goals and use of lipid medications in patients with, 63
 - prevalence of myocardial ischemia vs unrecognized myocardial infarction in patients with vs without, 1045
 - relation of microalbuminuria to CAD in patients with or without, 279
 - sirolimus-eluting stents vs paclitaxel-eluting stents for CAD in patients with, 187
 - treated with multivessel stents, impact of paclitaxel-eluting stents vs sirolimus-eluting stents on outcome in, 362
 - type 2
 - and low-density lipoprotein cholesterol <100 mg/dl, low-density lipoprotein particle number in patients with, 1599
 - time-course of CRP reduction with simvastatin in patients with, 1656
 - without evident heart disease, left ventricular contractile asynchrony in patients with, 1525
- Diastolic asynchrony, and left ventricular diastolic function as determinants of response to CRT, 1083
- Diastolic dysfunction
- isolated, in left ventricular outflow tract obstruction, 509
 - left ventricular
 - in CAD patients, evaluated by two-dimensional strain echocardiography, 1581
 - and exertional hypertension, effects of losartan vs hydrochlorothiazide on exercise tolerance in, 383
 - tissue Doppler imaging of lateral and septal mitral annular velocity in evaluation of, 970
 - and left ventricular remodeling, relation to obesity in patients without CAD, 116
- Diastolic function
- impact of obesity in subjects ≤ 16 years of age, 691
 - left ventricular
 - and CVD risk prediction in patients ≥ 65 years of age, relation to arterial stiffness, 1387
 - and diastolic asynchrony as determinants of response to CRT, 1083
 - in male body builders, effects of androgenic anabolic steroids, 1122 (Readers' Comments)
- Diastolic mitral annular velocity, in predicting exercise tolerance in impaired left ventricular systolic function, 709 (Readers' Comments), 1298 (Readers' Comments)
- Diet, association with marijuana use, 478
- Dietary supplementation, with soy protein, effect on serum lipids, 633
- Dilatation, left ventricular, in young adults, predictors of, 1234
- Dilated cardiomyopathy, effect of levosimendan on ventricular arrhythmias and autonomic markers in patients with decompensated advanced heart failure secondary to, 1641
- Dimethylarginine, asymmetric, in metabolic syndrome patients, effects of rosiglitazone, 1057
- Direct coronary stenting, with sirolimus-eluting stent, vs stenting with predilation, intravascular ultrasound study, 1464
- Distress, psychological, in patients with implantable cardioverter-defibrillators, 565 (Editorial)
- Diuretics, vs beta blockers, for congestive heart failure in African-American patients, 568 (Readers' Comments)
- Dobutamine, vs levosimendan, effects on inflammation and apoptosis in acutely decompensated chronic heart failure, 102, 1123 (Readers' Comments)
- Doppler
- atrioventricular optimization in CRT patients, 780
 - diastolic mitral annular velocity in predicting exercise tolerance in impaired left ventricular systolic function, 709 (Readers' Comments), 1298 (Readers' Comments)
 - effects of androgenic anabolic steroids on left ventricular diastolic function in male bodybuilders, 1122 (Readers' Comments)
 - effects of vasodilator therapy on right ventricular function in patients with pulmonary arterial hypertension, 530
 - to guide current modulation in cardiac multidetector computed tomographic angiography, 603
 - to identify pulmonary embolism in patients with signs of pulmonary hypertension, 685
 - of lateral and septal mitral annular velocity in evaluation of left ventricular diastolic dysfunction, 970
 - left ventricular contractile asynchrony in patients with type 2 diabetes mellitus without evident heart disease, 1525
 - inferior left ventricular wall after CABG, 1587
 - transthoracic, in functional assessment of collateral circulation in chronic total coronary occlusion, 197
- Duchenne muscular dystrophy, enalapril response and left ventricular function in patients with, 825
- Ductus arteriosus, postnatal remodeling of, CD44-v6 expression in smooth muscle cells, 708 (Readers' Comments)
- Duke prognostic treadmill scores, association with change in P-wave duration during exercise tolerance tests, 786
- Dyspnea, diagnosis in ED patients, cost-effectiveness of N-Terminal Pro-BNP in, 800
- Dyssynchrony
- intraventricular, prognostic value according to clinical stage of left ventricular impairment, 1439
 - ventricular, response to CRT, quantified by Velocity Vector Imaging method, 949
- Echocardiography. *See also* Doppler; Strain echocardiography; Stress echocardiography; Transesophageal echocardiography; Transthoracic echocardiography
- myocardial contrast, in predicting late mortality in patients with anterior wall AMI, 1150
 - in patients with cardiogenic shock secondary to AMI, 1004
 - real-time three-dimensional
 - clinical value of mitral valve tenting volume in patients with functional mitral regurgitation, 1088
 - vs MRI, in assessment of left ventricular mass, 1121 (Readers' Comments)
 - of successful vs unsuccessful annuloplasty for ischemic mitral regurgitation, 504
 - two-dimensional
 - in assessment of left atrial volume, 1185
 - in automated quantitation of regional left ventricular wall motion, 1531
- Ectasia, in coronary arteries, prevalence in patients in Northern Greece referred for coronary angiography, 314
- ED. *See* Emergency department
- EECP. *See* Enhanced external counterpulsation
- Ejection fractions
- left ventricular
 - estimation using mitral valve EPSS vs MRI, 569 (Readers' Comments)
 - in patients with left ventricular dysfunction and good baseline endocardial border delineation, administration of contrast agents reduces interobserver variability in determination of, 1110
 - low, undergoing aortic valve replacement, prognostic value of preoperative atrial fibrillation in patients with aortic stenosis and, 809
 - normal, left ventricle geometry and mortality in patients >70 years of age with, 1396

- preserved
left ventricular, effect of anemia on in-hospital mortality in patients with vs without, 1631
vs systolic heart failure, in African-Americans, 806
- Electrical cardioversion, external, of atrial fibrillation, determinants of thoracic electrical impedance in, 82
- Electrical impedance, thoracic, determinants in external electrical cardioversion of atrial fibrillation, 82
- Electrocardiographs
prehospital wireless transmission to a cardiologist, effectiveness in AMI patients, 1160
relation of QT interval measurements to automated algorithms from manufacturers of, 88
- Electrocardiography
intracardiac vs esophageal, P-wave amplitude obtained by, 978
in patients ≥ 90 years of age, 1512
signal-averaged, to assess congenital heart disease after ventriculotomy, 1646
- Electromechanical activation, of left ventricle in patients with native narrow QRS, effects of right ventricular pacing, 219
- Embolic stroke, due to a left atrial thrombus two years after placement of Amplatzer device, 1294
- Embolism, pulmonary
as cause of death in heart failure, 1073
in patients with signs of pulmonary hypertension, identification using Doppler, 685
- Embolus, peripheral, relation of atrial shunts to migraine in patients with ischemic stroke and, 831
- Emergency department, cost-effectiveness of N-Terminal Pro-BNP in diagnosis of dyspneic patients, 800
- Enalapril, response to, and left ventricular function, in patients with Duchenne muscular dystrophy, 825
- Endocarditis, infective
involving native aortic valves, periannular lesions in, 1254
involving prosthetic aortic valves, periannular lesions in, 1261
- Endothelial cell function, in heart failure patients secondary to CHD, effects of L-arginine with losartan, 172
- Endothelial microparticles, in metabolic syndrome patients, 70
- Endothelin-1
in metabolic syndrome patients, effects of rosiglitazone, 1057
plasma levels, effects of EECP, 28
- Endothelium, flow-mediated vasodilation, in metabolic syndrome patients, effects of rosiglitazone, 1057
- Enhanced external counterpulsation
effect on resting oxygen uptake in patients with previous coronary revascularization and in healthy volunteers, 613
effects on plasma nitric oxide and endothelin-1 levels, 28
- Enoxaparin, efficacy in non-ST-elevation ACS, 19
- Enteropathy, protein-losing, and gastrointestinal bleeding after Fontan operation, 666
- Enzyme replacement therapy
impact on cardiac morphology and function and late enhancement in Fabry's cardiomyopathy, 1557 (Readers' Comments)
for mucopolysaccharidosis type I, cardiac findings after, 416
- Epinephrine, with vasopressin, for out-of-hospital cardiac arrest, 1316
- E point-to-septal separation, of mitral valve, vs MRI, in estimation of left ventricular ejection fraction, 569 (Readers' Comments)
- Ergometry, supine exercise, heart rate recovery obtained by, 1297 (Readers' Comments)
- Esophageal electrocardiography, vs intracardiac electrocardiography, P-wave amplitude obtained by, 978
- EuroSCORE, as predictor of death and myocardial infarction after unprotected left main coronary stenting, 1567
- Everolimus-eluting stents, effects on different vessel sizes, 464
- E-wave velocity, tricuspid inflow, relation to severity of tricuspid regurgitation, 399
- Exercise
effect on nitinol stent fracture in the superficial femoral artery, 272
reversible ischemia induced by, in healed anterior wall myocardial infarction, evaluated by ST-segment-heart rate loop, 346
- Exercise capacity, in hypertrophic cardiomyopathy, predicted by N-terminal Pro-BNP, 515
- Exercise testing
graded maximal, peak systolic BP on, and BP response to submaximal exercise, 938
integration with B-type natriuretic peptides in CAD diagnosis, 764
prognostic value in chronic heart failure patients with or without beta-blocker therapy, 500
sestamibi, prevalence of myocardial ischemia vs unrecognized myocardial infarction in patients with vs without diabetes mellitus, 1045
supine ergometry, heart rate recovery obtained by, 1297 (Readers' Comments)
technetium-99m-tetrofosmin myocardial perfusion imaging, prognostic value of, 585
- Exercise tolerance
change in P-wave duration during, association with Duke prognostic treadmill scores, 786
in exertional hypertension and left ventricular diastolic dysfunction, effects of losartan vs hydrochlorothiazide, 383
in impaired left ventricular systolic function, prediction by diastolic mitral annular velocity, 709 (Readers' Comments), 1298 (Readers' Comments)
- Fabry's disease, impact of enzyme replacement therapy on cardiac morphology and function and late enhancement in cardiomyopathy due to, 1557 (Readers' Comments)
- Fatty acids, unsaturated, role in cognitive impairment and CVD risk factors, 1120 (Readers' Comments)
- Femoral artery, superficial, effect of exercise on nitinol stent fracture, 272
- Fertility, after biventricular repair for PAIVS, 259
- Fibrinogen, plasma levels, and risk of atrial fibrillation in men and women, 75
- Fibrinolysis, prehospital combination, ST-segment recovery in STEMI patients reperfused by, 1132
- Financial management, and investing in medical education, lack of instruction on, 707 (Readers' Comments)
- Fistula, inadvertent aortocoronary, after CABG, 1665
- Flow-mediated vasodilation
of brachial artery, prognostic value in survivors of acute coronary syndromes without ST elevation, 1424
endothelium-dependent, in metabolic syndrome patients, effects of rosiglitazone, 1057
- Flow velocity reserve, coronary, appropriate cut-off value, and collateral circulation, in diagnosis of significant donor left anterior descending artery stenosis, 298
- Focal neurologic deficits, and atrial fibrillation, relation to impaired cognitive function in hospitalized patients ≥ 65 years of age, 1238
- Fontan operation, protein-losing enteropathy and gastrointestinal bleeding after, 666
- Fractional flow reserve, usefulness in deferring coronary revascularization in patients with stable or unstable angina pectoris, non-ST-elevation AMI, STEMI or atypical chest pain, 289
- Fracture, of nitinol stent in the superficial femoral artery, effect of exercise, 272
- Framingham risk score, vs ultrasound, in assessment of subclinical CVD in a community-based multiethnic population, 1374
- Functional mitral regurgitation, clinical value of mitral valve tenting assessed by real-time three-dimensional echocardiography in patients with, 1088
- Functional tricuspid regurgitation, determinants of severity, 236
- Furosemide, with nesiritide, effects on renal function and mortality in heart failure patients, 1627
- Gastrointestinal bleeding, and protein-losing enteropathy after Fontan operation, 666
- Gender
effects on prognosis after PCI for stable angina pectoris and acute coronary syndrome, 1446
interaction with age in early mortality following primary angioplasty for AMI, 1140
- Gender differences. *See also* Men; Women
in acute non-ST-segment elevation myocardial infarction, 160
in left ventricular systolic function of American Indians, 834
in short-term cardiovascular outcomes after PCI, 48

- Genotype-phenotype association, of MMP-3 polymorphism, 1012
- Glomerular filtration rate, impact on prognostic value of minor TnT elevations in vascular surgery patients, 1515
- Glucose-insulin-potassium infusion
 - effects on myocardial perfusion and left ventricular remodeling, 1349
 - for patients treated with primary angioplasty for STEMI, 1349
- Glucose metabolism, in patients with metabolic syndrome, effects of atorvastatin, 66
- Glycoprotein IIb/IIIa inhibitors
 - alone vs with clopidogrel, efficacy and safety in non-ST-segment elevation myocardial infarction, 1125
 - use in saphenous vein graft PCI, 906
- Heart disease. *See also* Congenital heart disease
 - ischemic and nonischemic, long-term outcomes after ventricular fibrillation out-of-hospital cardiac arrest in patients with, 587
 - structural, efficacy of azilimide for sinus rhythm maintenance in patients with paroxysmal atrial fibrillation with or without, 215
- Heart failure
 - 60-day mortality in hospitalized patients with or without hypothermia, 1485
 - acute, intermediate N-terminal Pro-BNP in diagnosis and prognosis of, 386
 - acutely decompensated chronic, effects of dobutamine vs levosimendan on apoptosis and inflammation in, 102, 1123 (Readers' Comments)
 - admission, prognostic significance in non-ST-elevation acute coronary syndromes, 470
 - advanced
 - effects of levosimendan in right ventricular function of patients with, 1489
 - relation of loop diuretic dose to mortality in, 1416 (Readers' Comments)
 - with renal insufficiency, outpatient nesiritide infusion for, 226
 - carvedilol for, predictors of clinical outcomes, 1480
 - chronic
 - plasma myeloperoxidase levels in patients with, 796
 - refractory, secondary to ischemic cardiomyopathy, effects of intracoronary transplantation of autologous bone marrow-derived mononuclear cells on outcomes of patients with, 597
 - relation to anemia and renal dysfunction, 391
 - CVM-HF index as prognostic tool for, 1076
 - decompensated advanced, secondary to ischemic or dilated cardiomyopathy, effect of levosimendan on ventricular arrhythmias and autonomic markers in patients with, 1641
 - effect of marital quality on 8-year survival of patients, 1069
 - effects of nesiritide with furosemide or inotropes on renal function and mortality in, 1627
 - mild, secondary to ischemic or nonischemic cardiomyopathy, CRT in patients with systolic left ventricular dysfunction and, 230
 - and obesity, 944
 - pulmonary embolism as cause of death in, 1073
 - relation of serum total cholesterol, CRP and statin therapy to survival in, 653
 - risk of venous thromboembolism in patients hospitalized with, 793
 - secondary to CHD, effects of losartan with L-arginine on nitric oxide production, endothelial cell function and hemodynamics of patients with, 172
 - secondary to inflammatory dilated cardiomyopathy and elevated low-density lipoprotein cholesterol levels, atorvastatin for, 707 (Readers' Comments)
 - severity of, relation to heart rate turbulence, 1635
 - stable
 - chronic, relation to left atrial volume to B-type natriuretic peptide in patients with, 98
 - variation of N-terminal Pro-BNP levels in patients with, 1248
 - systemic ventricle, vs isolated cavopulmonary failure, B-type natriuretic peptides in single ventricle patients with, 520
 - systolic, vs preserved ejection fraction, in African-Americans, 806
- Heart rate recovery, obtained by supine ergometry exercise, 1297 (Readers' Comments)
- Heart rate turbulence, relation to severity of heart failure, 1635
- Heart rate variability, relation to serum CRP in unstable angina, 1298 (Readers' Comments)
- Heart transplantation
 - prevalence, patterns of development and prognosis of right bundle branch block in recipients, 1288
 - vs uncomplicated hypertension, peripheral and cardiac arterial stiffening and ventriculovascular uncoupling in patients with hypertension after, 789
- Hemochromatosis, hereditary
 - asymptomatic, left ventricular systolic function during stress echocardiography in subjects with, 694
 - left atrial contractile function in asymptomatic patients with, 954
- Hemodialysis, stable, usefulness of CRP and troponins in predicting mortality among patients, 1283
- Hemodynamics
 - cardiac, of patients for liver transplantation, 178
 - of heart failure patients secondary to CHD, effects of L-arginine with losartan, 172
- Hemorrhage
 - gastrointestinal, and protein-losing enteropathy after Fontan operation, 666
 - risk, relation to aspirin dose, 275 (Readers' Comments)
- Heparin, effect on VEGF levels in patients with STEMI undergoing primary PCI, 902
- Hereditary hemochromatosis
 - asymptomatic, left ventricular systolic function during stress echocardiography in subjects with, 694
 - left atrial contractile function in asymptomatic patients with, 954
- High-density lipoprotein cholesterol
 - emerging strategies to increase levels of, 1542
 - apo-AI Milano, 1546
 - D4F, 1546
 - inhibition of cholesterol ester transfer protein, 1544
 - peroxisome proliferator-activated receptor agonists, 1546
 - rimonabant, 1546
 - goal adherence and use of lipid medications in patients with diabetes, 63
 - low, impact on outcomes of non-ST-elevation myocardial infarction acute coronary syndrome treated with drug-eluting stent, 711
 - non-, as predictor of CHD risk, 1363
- Hispanic-Americans, atorvastatin vs rosuvastatin for hypercholesterolemia in, 768
- Hospital, community, frequency of aspirin resistance, 577
- Hydrochlorothiazide, vs losartan, effects on exercise tolerance in exertional hypertension and left ventricular diastolic dysfunction, 383
- Hypercholesterolemia
 - in Hispanic-Americans, atorvastatin vs rosuvastatin for, 768
 - with hypertension, in the United States, prevalence, treatment and control of, 204
 - mild, effects of colesevelam hydrochloride on inflammatory biomarkers in patients with, 641
- Hyperglycemia
 - and metabolic syndrome, 982 (Editorial)
 - relation to ST-segment resolution after reperfusion for AMI, 167
- Hyperlipidemia, relation of preprocedural statins to in-hospital complications after PCI in patients with, 325
- Hyperplasia, neointimal, in sirolimus-eluting stent restenosis, intravascular ultrasound of, 1559
- Hypertension
 - CRP in atrial fibrillation with or without, 991 (Readers' Comments)
 - exertional, and left ventricular diastolic dysfunction, effects of losartan vs hydrochlorothiazide on exercise tolerance in, 383
 - with hypercholesterolemia, in the United States, prevalence, treatment and control of, 204
 - incident, risk of, and magnesium intake among middle-aged and older US women, 1616
 - new-onset, effects of life-long reduction in low-density lipoprotein cholesterol, 1122 (Readers' Comments)
 - pulmonary. *See* Pulmonary hypertension
 - systemic. *See* Systemic hypertension
 - uncomplicated, vs with hypertension after heart transplantation, peripheral and cardiac arterial stiffening and ventriculovascular uncoupling in patients with, 789
- Hypertrophic cardiomyopathy
 - determinants for clinical diagnosis of, 1507
 - N-terminal ProBNP to predict exercise capacity in, 515
 - prognostic significance of left atrial size, 960
 - systolic dysfunction in an unselected regional population with, 1269

- Hypothermia, 60-day mortality in hospitalized heart failure patients with or without, 1485
- IL-6. *See* Interleukin-6
- Image reconstruction, three-dimensional, vs transesophageal echocardiography, diagnostic value in mitral valve prolapse, 243
- Incomplete stent apposition, after sirolimus-eluting stent implantation, outcomes of, 436
- Infective endocarditis
 - involving native aortic valves, periannular lesions in, 1254
 - involving prosthetic aortic valves, periannular lesions in, 1261
- Inflammation
 - in acutely decompensated chronic heart failure, effects of dobutamine vs levosimendan, 102, 1123 (Readers' Comments)
 - biomarkers, in patients with mild hypercholesterolemia, effects of colesvelam hydrochloride, 641
 - in CAD patients, effects of extended-release niacin, 743
 - after PCI for non-ST-elevation ACS, effects of drug-eluting vs bare metal stents, 1299 (Readers' Comments)
 - relation to heart rate variability in unstable angina, 1298 (Readers' Comments)
- Inotropes, with nesiritide, effects on renal function and mortality in heart failure patients, 1627
- Insulin infusion, outcomes of in-hospital transition from intravenous to subcutaneous therapy, 557
- Insulin sensitivity, identified by waist circumference vs body mass index, 1053
- Interatrial block
 - association of Duke prognostic treadmill scores with change in P-wave duration during exercise tolerance tests, 786
 - reevaluation of the criterion for, 936
- Interleukin-6
 - and CRP, in CAD patients, impact of PCI, 915
 - and risk of future CAD in patients with angina pectoris and/or healed myocardial infarction, 14
- Interobserver variability, in determination of left ventricular ejection fraction in patients with left ventricular dysfunction and good baseline endocardial border delineation, reduced by administration of contrast agents, 1110
- Intraaneurysmal thrombi, weight of, relation to maximal right-to-left diameters of abdominal aortic aneurysm, 1519
- Intra-aortic balloon pump, prophylactic, in high-risk patients undergoing PCI, 608
- Intracardiac electrocardiography, vs esophageal electrocardiography, P-wave amplitude obtained by, 978
- Intracoronary brachytherapy, vs sirolimus-stent implantation, for drug-eluting coronary stent restenosis, 1451
- Intramyocardial collateral flow, to the right coronary artery and inferior left ventricular wall after CABG, detected by transesophageal Doppler echocardiography, 1587
- Intravascular brachytherapy, vs drug-eluting stents, for patients with drug-eluting stent restenosis, 1340
- Intravascular ultrasound
 - of atherosclerotic vessel remodeling and plaque distribution of stenotic left anterior descending coronary arterial bifurcation lesions, 193
 - direct coronary stenting with sirolimus-eluting stent vs stenting with predilation, 1464
 - effect of atherosclerosis regression on luminal size of coronary arteries, 23
 - of left main coronary artery, relation of plaque progression to low-density lipoprotein cholesterol during aging, 1419
 - low-density lipoprotein cholesterol as predictor of coronary atherosclerotic plaque size after statin therapy, 866
 - of neointimal hyperplasia and nonuniform stent strut distribution in sirolimus-eluting stent restenosis, 1559
 - outcomes of incomplete stent apposition after sirolimus-eluting stent implantation, 436
 - of ruptured coronary plaques, 429
 - sequential, frequency and severity of plaque prolapse within Cypher and Taxus stents, 1206
 - in STEMI patients, role of calcifications detected by, 309
 - vs 64-slice computed tomography
 - to detect coronary allograft vasculopathy, 877
 - to quantify coronary minimal lumen area in intermediate stenosis, 871
- Intraventricular dyssynchrony, prognostic value according to clinical stage of left ventricular impairment, 1439
- Ischemia
 - exercise-induced reversible, in healed anterior wall myocardial infarction, evaluated by ST-segment–heart rate loop, 346
 - left ventricular dysfunction, relation of renal function to implanted cardiac defibrillator and risk of sudden cardiac death in patients with, 485
 - myocardial, vs unrecognized myocardial infarction, prevalence in patients with vs without diabetes mellitus, 1045
- Ischemic cardiomyopathy
 - effect of levosimendan on ventricular arrhythmias and autonomic markers in patients with decompensated advanced heart failure secondary to, 1641
 - effects of intracoronary transplantation of autologous bone marrow-derived mononuclear cells on outcomes of patients with refractory chronic heart failure secondary to, 597
 - or nonischemic cardiomyopathy, CRT in patients with systolic left ventricular dysfunction and mild heart failure secondary to, 230
 - prognostic significance of wall motion abnormalities in, 1301
- Ischemic heart disease, and nonischemic, long-term outcomes after ventricular fibrillation out-of-hospital cardiac arrest in patients with, 587
- Ischemic mitral regurgitation, echocardiographic predictors of successful vs unsuccessful annuloplasty for, 504
- Ischemic stroke, and peripheral emboli, relation of atrial shunts to migraine in patients with, 831
- Japanese, middle-aged men, relation of alcohol consumption to coronary calcium in, 141
- Jehovah's Witnesses, vs non-Jehovah's witnesses, cardiac surgery outcomes in, 1223
- Kidney disease, chronic, prevalence and predictors of cardiovascular calcium in, 571
- LCOS. *See* Low cardiac output syndrome
- Left atrial function, contractile, in asymptomatic patients with hereditary hemochromatosis, 954
- Left atrial volume, assessed by two-dimensional echocardiography, 1185
- Left atrium
 - appendage thrombus, detection by transesophageal echocardiography, 1120 (Readers' Comments)
 - size, prognostic significance in hypertrophic cardiomyopathy patients, 960
- Left bundle branch block. *See* Bundle branch block
- Left ventricle
 - electromechanical activation in patients with native narrow QRS, effects of right ventricular pacing, 219
 - geometry of, and mortality in patients >70 years of age with normal ejection fraction, 1396
 - inferior left wall, intramyocardial collateral flow after CABG, detected by transesophageal Doppler echocardiography, 1587
 - morphology, in Fabry's cardiomyopathy, impact of enzyme replacement therapy, 1557 (Readers' Comments)
 - outflow tract obstruction, isolated diastolic dysfunction in, 509
 - Left ventricular apical ballooning, transient, clinical features of, 1273
 - Left ventricular contractile asynchrony, in patients with type 2 diabetes mellitus without evident heart disease, 1525
 - Left ventricular diastolic dysfunction, in CAD patients, evaluated by two-dimensional strain echocardiography, 1581
 - Left ventricular dilatation, in young adults, predictors of, 1234
 - Left ventricular dysfunction
 - administration of contrast agents reduces interobserver variability in determination of left ventricular ejection fraction in patients with, 1110
 - body surface maps to demonstrate ventricular activation during left ventricular pacing and reentrant activation during ventricular tachycardia in men with, 591
 - diastolic
 - and exertional hypertension, effects of losartan vs hydrochlorothiazide on exercise tolerance in, 383

- tissue Doppler imaging of lateral and septal mitral annular velocity in evaluation of, 970
- ischemic, relation of renal function to implanted cardiac defibrillator and risk of sudden cardiac death in patients with, 485
- prognostic value of intraventricular dyssynchrony according to clinical stage of, 1439
- systolic
- with LCOS, in patients treated with isolated CABG, prolonged QRS duration as predictor of, 1357
 - and mild heart failure secondary to ischemic or nonischemic cardiomyopathy, CRT for patients with, 230
- Left ventricular ejection fraction
- estimation using mitral valve EPSS vs MRI, 569 (Readers' Comments)
 - in patients with left ventricular dysfunction and good baseline endocardial border delineation, administration of contrast agents reduces interobserver variability in determination of, 1110
 - preserved, effect of anemia on in-hospital mortality in patients with vs without, 1631
- Left ventricular function
- diastolic
- and CVD risk prediction in patients ≥ 65 years of age, relation to arterial stiffness, 1387
 - and diastolic asynchrony as determinants of response to CRT, 1083
 - in male body builders, effects of androgenic anabolic steroids, 1122 (Readers' Comments)
- and enalapril response, in patients with Duchenne muscular dystrophy, 825
- in Fabry's cardiomyopathy, impact of enzyme replacement therapy, 1557 (Readers' Comments)
- after primary coronary angioplasty, influence of transmural, infarct size and severe microvascular obstruction, 1033
- systolic
- of American Indians, gender differences in, 834
 - impaired, prediction of exercise tolerance by diastolic mitral annular velocity, 709 (Readers' Comments), 1298 (Readers' Comments)
 - improved, predictors in an urban cardiomyopathy program, 1622
 - during stress echocardiography in subjects with asymptomatic hereditary hemochromatosis, 694
- Left ventricular mass
- progression of, relation to adiposity from childhood to young adulthood, 411
 - real-time three-dimensional echocardiography vs MRI in assessment of, 1121 (Readers' Comments)
- Left ventricular noncompaction, isolated, assessed by two-dimensional transthoracic echocardiography, 568 (Readers' Comments)
- Left ventricular remodeling
- after anterior wall AMI, 1144
 - after coronary angioplasty in AMI patients, predicted by plasma B-type natriuretic peptides, 453
 - in patients treated with primary angioplasty for STEMI, effects of glucose-insulin-potassium infusion, 1349
 - in patients with anterior wall AMI treated with PCI, effect of impaired myocardial reperfusion on, 725
 - after primary coronary angioplasty, influence of transmural, infarct size and severe microvascular obstruction, 1033
 - relation to obesity and diastolic dysfunction in patients without CAD, 116
- Left ventricular wall motion, regional, two-dimensional echocardiography in automated quantitation of, 1531
- Leg bypass, relation of N-Terminal Pro-BNP to postoperative cardiac events in patients under, 111
- Leukocyte activation, in metabolic syndrome patients, 70
- Levosimendan
- effect on ventricular arrhythmias and autonomic markers in patients with decompensated advanced heart failure secondary to ischemic or dilated cardiomyopathy, 1641
 - effects on right ventricular function in advanced heart failure patients, 1489
 - vs dobutamine, effects on inflammation and apoptosis in acutely decompensated chronic heart failure, 102, 1123 (Readers' Comments)
- Lifestyle intervention, weight loss due to, effect on subclinical cardiovascular dysfunction in obesity, 1593
- Lipid indexes, association with atherosclerosis, 1047
- Lipids, serum
- in a contemporary medical population with coronary heart disease risk equivalents, 1231
 - effect of soy protein supplementation, 633
 - repeated measurements during the peri-hospitalization period, 1379
- Lipoproteins, particle size, in CAD patients, effects of extended-release niacin, 743
- Liver transplantation, cardiac hemodynamic and coronary angiographic characteristics of patients, 178
- Loop diuretics, dose, relation to mortality in advanced heart failure, 1416 (Readers' Comments)
- Losartan
- with L-arginine, effects on nitric oxide production, endothelial cell function and hemodynamics of heart failure patients secondary to CHD, 172
 - vs hydrochlorothiazide, effects on exercise tolerance in exertional hypertension and left ventricular diastolic dysfunction, 383
- Low cardiac output syndrome, with impaired left ventricular systolic function, in patients treated with isolated CABG, prolonged QRS duration as predictor of, 1357
- Low-density lipoprotein cholesterol
- < 100 mg/dl, low-density lipoprotein particle number in patients with type 2 diabetes mellitus and, 1599
 - elevated levels, atorvastatin for heart failure secondary to, 707 (Readers' Comments)
 - goal adherence and use of lipid medications in patients with diabetes, 63
 - identifying patients for aggressive lowering of, 1406 (Editorial)
 - life-long reduction of, effects on risk of new-onset hypertension, 1122 (Readers' Comments)
 - as predictor of coronary atherosclerotic plaque size after statin therapy, 866
 - reduction of, relation to CAD prognosis and CRP levels, 135 (Editorial)
 - relation to plaque progression during aging, 1419
- Lower extremity arterial obstruction, impact of glomerular filtration rate on prognostic value of minor TnT elevations in vascular surgery patients for, 1515
- Magnesium
- intake, and risk of incident hypertension among middle-aged and older US women, 1616
 - relation to calcium intake and cardiovascular risk, 140 (Readers' Comments)
- Magnetic resonance imaging
- of adult right ventricle, normal reference values for, 1660
 - contrast, in detection of myocardial scar in troponin-positive chest pain and minimal angiographic CAD, 709 (Readers' Comments)
 - of coronary sinus ostium, 1400
 - delayed hyperenhancement, vs multidetector computed tomography, detection of healed myocardial infarction, 149
 - in PAPVC, 107
 - vs mitral valve EPSS, in estimation of left ventricular ejection fraction, 569 (Readers' Comments)
 - vs real-time three-dimensional echocardiography, in assessment of left ventricular mass, 1121 (Readers' Comments)
- Mammary artery, internal, bare metal vs drug-eluting stents for PCI of, 722
- Marfan's syndrome, vs with bicuspid aortic valve, pattern of aortic dilation in children with, 1094
- Marijuana use, association with diet, body mass index and cardiovascular risk factors, 478
- Marital quality, effect on 8-year survival of heart failure patients, 1069
- Matrix metalloproteinase-3, polymorphism of
- genotype-phenotype association of, 1012
 - and smoking in acute coronary syndrome, 1012
- Medical education, investing, lack of instruction on, 707 (Readers' Comments)
- Mediterranean diet, role in cognitive impairment and CVD risk factors, 1120 (Readers' Comments)
- Men
- anemia as predictor of outcomes in acute coronary syndrome patients, 580
 - body surface maps to demonstrate ventricular activation during left ventricular pacing and reentrant activation during ventricular tachycardia in, 591

- effects of androgenic anabolic steroids on left ventricular diastolic function in bodybuilders, 1122 (Readers' Comments)
- middle-aged Japanese, relation of alcohol consumption to coronary calcium in, 141
- relation of plasma albumin and fibrinogen to risk of atrial fibrillation in, 75
- symptoms of acute coronary syndrome in, 1177
- vs women
- in-hospital mortality due to AMI, 1000
 - results of PCI for unstable angina pectoris or non-ST-elevation AMI in, 182
 - short- and long-term prognosis after AMI, 993
- Mental health, after CABG in patients with or without diabetes mellitus, 619
- Meta-analysis
- effect of soy protein supplementation on serum lipids, 633
 - primary prevention trials of cardiovascular events using aspirin, 746
- Metabolic syndrome
- and 11 β -hydroxysteroid dehydrogenase, 544
 - after acute coronary syndrome, prevalence and prognostic significance, 1429
 - apo-B vs apo-AI in patients with or without, 1369
 - appropriate use of nicotinic acid derivative in patients with, 275 (Readers' Comments)
 - effects of atorvastatin on glucose metabolism in patients with, 66
 - effects of rosiglitazone on endothelium-dependent flow-mediated vasodilation, asymmetric dimethylarginine, endothelin-1 and CRP, 1057
 - endothelial microparticles and leukocyte and platelet activation in patients with, 70
 - and hyperglycemia, 982 (Editorial)
 - prevalence in Chinese adults, 422 (Readers' Comments)
- Methadone, and cocaine, effects on QTc interval prolongation, 1121 (Readers' Comments)
- Microalbuminuria, relation to CAD in patients with or without diabetes, 279
- Middle-aged
- Japanese men, relation of alcohol consumption to coronary calcium in, 141
 - US women, magnesium intake and risk of incident hypertension among, 1616
- Migraine
- and patent foramen ovale, 990 (Readers' Comments)
 - in patients with ischemic stroke and peripheral emboli, relation to atrial shunts, 831
- Minimally invasive surgery, aortic valve replacement, for aortic stenosis and moderate CAD, efficacy of same day elective PCI followed by, 1501
- Mitral annular velocity
- diastolic, in predicting exercise tolerance in impaired left ventricular systolic function, 709 (Readers' Comments), 1298 (Readers' Comments)
 - lateral and septal, in evaluation of left ventricular diastolic dysfunction, tissue Doppler imaging of, 970
- Mitral regurgitation
- functional, clinical value of mitral valve tenting assessed by real-time three-dimensional echocardiography in patients with, 1088
 - ischemic, echocardiographic predictors of successful vs unsuccessful annuloplasty for, 504
- Mitral stenosis, rheumatic
- percutaneous balloon mitral valvuloplasty in pregnant patients with, 812
 - relation of plasma soluble osteopontin to severity of mitral valve calcifications in, 817
- Mitral valve
- EPSS, vs MRI, in estimation of left ventricular ejection fraction, 569 (Readers' Comments)
 - tenting volume, assessed by real-time three-dimensional echocardiography, clinical value in patients with functional mitral regurgitation, 1088
- Mitral valve calcification, severity of, in rheumatic mitral stenosis, relation to plasma soluble osteopontin, 817
- Mitral valve prolapse, diagnostic value of three-dimensional image reconstruction vs transesophageal echocardiography, 243
- Mitral valve surgery, role of tricuspid annular systolic velocity in outcome prediction in patients undergoing surgery for tricuspid regurgitation after, 659
- Mitral valvuloplasty, percutaneous
- balloon, in pregnant patients with rheumatic mitral stenosis, 812
 - relation of age to outcome of, 1493
- MMP-3. *See* Matrix metalloproteinase-3
- Mononuclear cells, autologous bone marrow-derived, intracoronary transplantation, effects on outcomes of patients with refractory chronic heart failure secondary to ischemic cardiomyopathy, 597
- Mortality
- 60-day, in hospitalized heart failure patients with or without hypothermia, 1485
 - in advanced heart failure, relation to loop diuretic dose, 1416 (Readers' Comments)
 - among stable hemodialysis patients, usefulness of CRP and troponins in prediction of, 1283
 - benefits of beta blockers and cardioverter therapy, 1245
 - and CHD, predicted by ventricular premature complexes, 1609
 - in coronary heart disease among persons born in 1920 or 1921, nocturia as a risk factor for, 1311
 - early
 - following primary angioplasty for AMI, gender-age interaction, 1140
 - in paramedic-diagnosed STEMI transported to a primary PCI intervention center vs to the nearest hospital, 1329
 - in heart failure patients treated with nesiritide with furosemide or inotropes, 1627
 - in-hospital
 - due to AMI in men vs women, 1000
 - in patients with vs without preserved left ventricular ejection fraction, effect of anemia, 1631
 - late, in patients with anterior wall AMI, predicted by myocardial contrast echocardiography, 1150
 - and left ventricle geometry in patients >70 years of age with normal ejection fraction, 1396
 - long-term
 - risk after CABG, effect of body mass index on, 734
 - in STEMI patients, impact of multivessel coronary disease and chronic total occlusion, 1165
 - in statin users vs nonstatin users in a United States veteran population, 923
- MRI. *See* Magnetic resonance imaging
- Mucopolysaccharidosis type I, cardiac findings after enzyme replacement therapy for, 416
- Multidetector computed tomography. *See* Computed tomography
- Multislice computed tomography. *See* Computed tomography
- Myeloperoxidase, plasma levels in chronic heart failure patients, 796
- Myocardial contrast echocardiography, in predicting late mortality in patients with anterior wall AMI, 1150
- Myocardial infarction
- acute. *See* Acute myocardial infarction
 - healed
 - anterior wall, ST-segment-heart rate loop in evaluation of exercise-induced reversible ischemia in, 346
 - detection by multidetector computed tomography vs cardiac magnetic resonance delayed hyperenhancement, 149
 - and/or angina pectoris, IL-6 and risk of future CAD in patients with, 14
 - new, incidence in patients with severe carotid artery disease treated with or without statins, 1170
 - non-ST-elevation
 - efficacy and safety of clopidogrel alone vs with glycoprotein IIb/IIIa inhibitors, 1125
 - treated with drug-eluting stent, impact of low high-density lipoprotein cholesterol on outcomes of, 711
 - or death, risk of, and CRP levels, relation to PCI using sirolimus-eluting stents, 616
 - prevalence and predictors of angina pectoris one month after, 282
 - recent vs chronic, cardiac computed tomography of, 303
 - right ventricular, long-term survival after, 1571
 - after unprotected left main coronary stenting, predicted by EuroSCORE, 1567
 - unrecognized, vs myocardial ischemia, prevalence in patients with vs without diabetes mellitus, 1045
- Myocardial ischemia
- long-term chronic, adaptation of nonrevascularized human hibernating and chronically stunned myocardium, 1574

- vs unrecognized myocardial infarction, prevalence in patients with vs without diabetes mellitus, 1045
- Myocardial performance index, diagnostic accuracy for pulmonary embolism in patients with echocardiographic signs of pulmonary hypertension, 1652
- Myocardial perfusion, in patients treated with primary angioplasty for STEMI, effects of glucose-insulin-potassium infusion, 1349
- Myocardial perfusion imaging, technetium-99m-tetrofosmin, prognostic value of, 585
- Myocardial scar, detection by contrast-enhanced MRI
in minimal angiographic CAD, 709 (Readers' Comments)
in troponin-positive chest pain, 709 (Readers' Comments)
- Myocardium, nonvascularized human hibernating and chronically stunned, adaptation to long-term chronic myocardial ischemia, 1574
- National Cholesterol Education Program Adult Treatment Panel III, algorithm for candidate selection for statin therapy, 739
- Natriuretic peptides
atrial, relation to alcohol consumption, 628
B-type. *See also* N-Terminal Pro-BNP
integration with exercise testing in CAD diagnosis, 764
plasma levels to predict subsequent left ventricular remodeling after coronary angioplasty in AMI patients, 453
relation to cognitive dysfunction in adults >55 years of age with CVD, 538
relation to left atrial volume in patients with stable chronic heart failure, 98
in risk assessment of patients with non-ST-elevation coronary syndromes and preserved systolic function, 1322
in single ventricle patients with systemic ventricle heart failure vs isolated cavopulmonary failure, 520
- Neointimal hyperplasia, in sirolimus-eluting stent restenosis, intravascular ultrasound of, 1559
- Neonates. *See* Pediatrics
- Nesiritide
with furosemide or inotropes, effects on renal function and mortality in heart failure patients, 1627
outpatient infusion in patients with advanced heart failure and renal insufficiency, 226
- Neurologic deficits, focal, and atrial fibrillation, relation to impaired cognitive function in hospitalized patients ≥ 65 years of age, 1238
- Niacin
appropriate use in patients with metabolic syndrome, 275 (Readers' Comments)
extended-release, effects on lipoprotein particle size and inflammatory markers in CAD patients, 743
- Nicorandil, vs verapamil, effects on incidence of slow flow/no reflow during rotational atherectomy, 1354
- Nicotinic acid derivative, appropriate use in patients with metabolic syndrome, 275 (Readers' Comments)
- Nitinol stents, fracture of, in the superficial femoral artery, effect of exercise, 272
- Nitric oxide
plasma levels, effects of EECP, 28
production in heart failure patients secondary to CHD, effects of L-arginine with losartan, 172
- Nocturia, as a mortality risk factor for coronary heart disease among persons born in 1920 or 1921, 1311
- Nonopioid analgesics, need for a systematic review on safety concerns of, 1667 (Readers' Comments)
- N-Terminal Pro-BNP
in diagnosis of dyspneic patients in the ED, cost-effectiveness of, 800
intermediate, in diagnosis and prognosis of acute heart failure, 386
to predict exercise capacity in hypertrophic cardiomyopathy, 515
prognostic significance in chronic precapillary pulmonary hypertension, 525
relation to postoperative cardiac events in patients undergoing surgery for abdominal aortic aneurysm or leg bypass, 111
variation in patients with stable heart failure, 1248
- Obesity
effect of weight loss due to lifestyle intervention on subclinical cardiovascular dysfunction in, 1593
- and heart failure, 944
impact on diastolic function in subjects ≤ 16 years of age, 691
relation to left ventricular remodeling and diastolic dysfunction in patients without CAD, 116
- Occlusion, chronic total, and multivessel coronary disease, impact in long-term mortality in STEMI patients, 1165
- Optical coherence tomography, in interpretation of plaque morphology, 156
- Outflow tract obstruction, left ventricular, isolated diastolic dysfunction in, 509
- Oxygen uptake, resting, in patients with previous coronary revascularization and in healthy volunteers, effects of EECP, 613
- Pacemaker implantation
management of pericardial tamponade after, 223
reasons for escalated rates of, 93
- Pacing
atrial stress echocardiography, overview and clinical applications, 549
left ventricular, body surface maps to demonstrate ventricle activation during, 591
right ventricular, effects on intra-left ventricular electromechanical activation in patients with native narrow QRS, 219
temporary, using active fixation leads and an externally placed reusable permanent pacemaker, utility and cost-effectiveness of, 1613
- Paclitaxel-eluting stents
polymer-based vs nonpolymer-based, for de novo coronary lesions, 1022
risk of noncardiac surgery after implantation of, 1212
for sirolimus-eluting stent failure, early- and medium-term outcomes, 1345
transitioning from controlled trials to clinical practice, 12-month outcomes, 1028
undeployed, failure to retrieve, 426 (Readers' Comments)
vs sirolimus-eluting stents
for CAD in diabetes mellitus patients, 187
impact on outcome in diabetes mellitus patients treated with multivessel stents, 362
overlapping in patients undergoing PCI, clinical outcomes of, 1563
- PAIVS. *See* Pulmonary atresia with an intact ventricular septum
- PAPVC. *See* Partially anomalous pulmonary venous connection
- Partially anomalous pulmonary venous connection, cardiac MRI in, 107
- Patent foramen ovale, and migraine, 990 (Readers' Comments)
- PAVSD. *See* Pulmonary atresia with a ventricular septal defect
- PCI. *See* Percutaneous coronary intervention
- Pediatrics
children
with a functionally normal bicuspid aortic valve, progression of aortic dilation in, 828
with Marfan's syndrome, vs with bicuspid aortic valve, pattern of aortic dilation in, 1094
neonates, with transposition of the great arteries, relation of balloon atrial septostomy to preoperative stroke in, 277 (Readers' Comments)
subjects ≤ 16 years of age, impact of obesity in diastolic function, 691
- Percutaneous balloon mitral valvuloplasty, in pregnant patients with rheumatic mitral stenosis, 812
- Percutaneous coronary intervention
aspirin resistance after, use in predicting one-year major adverse coronary events, 1156
clinical outcomes of overlapping sirolimus-eluting stent vs paclitaxel-eluting stent, 1563
drug-eluting vs bare metal stents for non-ST-elevation ACS, effects on biomarkers, 1299 (Readers' Comments)
effect of impaired myocardial reperfusion on left ventricular remodeling in patients with anterior wall AMI treated with, 725
elective, for stable angina pectoris, safety and efficacy of short-term celecoxib before, 1461
gender differences in short-term cardiovascular outcomes after, 48
in hyperlipidemic patients, relation of preprocedural statins to in-hospital complications after, 325
impact on IL-6 and CRP in CAD patients, 915
of internal mammary artery, bare metal vs drug-eluting stents, 722
management and outcomes of coronary artery perforations during, 911
outcome

- in patients of three age groups, 1334
- in stable vs unstable angina pectoris, 447
- previous, admitted for suspected acute coronary syndrome, impact of bare metal stents vs drug-eluting stents on decision making of patients with, 338
- primary
- effects of heparin on VEGF levels in STEMI patients under, 902
 - or prehospital initiated facilitated, ST-segment recovery in STEMI patients reperfused by, 1132
 - in STEMI and non-ST-segment elevation AMI, early and late outcomes, 331
- prophylactic intra-aortic balloon pump in high-risk patients, 608
- results for non-ST-elevation AMI or unstable angina pectoris in men vs women, 182
- same day, followed by minimally invasive aortic valve replacement, efficacy in aortic stenosis and moderate CAD, 1501
- saphenous vein graft, use of glycoprotein IIb/IIIa inhibitors in, 906
- with sirolimus-eluting stent, relation to CRP level and risk of death or myocardial infarction, 616
- for stable angina pectoris and acute coronary syndrome, effects of gender on prognosis after, 1446
- treatment of coronary artery perforations using polytetrafluoroethylene stent graft, 370
- vs thrombolysis, effects on outcomes of renal failure with STEMI, 710 (Readers' Comments)
- Percutaneous mitral valvuloplasty, relation of age to outcome of, 1493
- Periannular lesions, in infective endocarditis
- involving native aortic valves, 1254
 - involving prosthetic aortic valves, 1261
- Pericardial effusion, prevalence in adults with atrial septal defect vs ventricular septal defect, 1103
- Pericardial tamponade, after implantable cardiac device placement, management of, 223
- Pericarditis, recurrent, long-term outcomes in difficult-to-treat patients, 267
- Peripheral arterial disease, borderline, relation to CVD risk, 1226
- Peripheral emboli, relation of atrial shunts to migraine in patients with ischemic stroke and, 831
- Peroxisome proliferator-activated receptor agonists, to increase high-density lipoprotein cholesterol, 1546
- Physical function, after CABG in patients with or without diabetes mellitus, 619
- Plaques
- and atherosclerotic vessel remodeling, of stenotic left anterior descending coronary arterial bifurcation lesions, intravascular ultrasound of, 193
 - coronary
 - interpretation of morphology by optical coherence tomography, 156
 - ruptured, intravascular ultrasound of, 429
 - size after statin therapy, predicted by low-density lipoprotein cholesterol, 866
 - progression, relation to low-density lipoprotein cholesterol during aging, 1419
 - prolapse within Cypher and Taxus stents, frequency and severity of, 1206
 - soft, and elevated preprocedural high-sensitivity CRP levels, relation to incidence of in-stent restenosis after successful coronary artery stenting, 341
 - volume of, effect on remodeling at edges of sirolimus-eluting stents, 1041
- Platelet activation, in metabolic syndrome patients, 70
- Platelet counts
- high, associated with increased risk of reinfarction in STEMI patients, effect of clopidogrel, 761
 - relation to presentation and outcomes of STEMI, 1, 1417 (Readers' Comments)
- Platelet inhibition, after high-dose vs standard dose of clopidogrel in healthy volunteers, 681
- Platelets, effects of aspirin dose, preparation and withdrawal in normal volunteers, 838
- Polymer-based paclitaxel-eluting stents, vs nonpolymer-based, for de novo coronary lesions, 1022
- Polymorphism
- CD14 C260T promoter, influence on CRP levels in CAD patients, 1182
 - of MMP-3
 - genotype-phenotype association of, 1012
 - and smoking in acute coronary syndrome, 1012
- Polytetrafluoroethylene stent graft, treatment of coronary artery perforations complicating PCI, 370
- Pomegranate juice, consumption, resulting in rhabdomyolysis, 705
- Pregnancy
- after biventricular repair
 - for PAVS, 259
 - for PAVSD, 262
 - outcomes after atrial repair for transposition of the great arteries, 668
 - patients rheumatic mitral stenosis, percutaneous balloon mitral valvuloplasty in, 812
- Proinflammatory mediators, role in CVD, 121, 1556 (Readers' Comments)
- Protein-losing enteropathy, and gastrointestinal bleeding after Fontan operation, 666
- Psychological distress, in patients with implantable cardioverter-defibrillators, 565 (Editorial)
- Pulmonary atresia with an intact ventricular septum, fertility, pregnancy, and delivery after biventricular repair for, 259
- Pulmonary atresia with a ventricular septal defect, pregnancy after biventricular repair, 262
- Pulmonary embolism
- as cause of death in heart failure, 1073
 - diagnosed by myocardial performance index, in patients with echocardiographic signs of pulmonary hypertension, 1652
 - in patients with signs of pulmonary hypertension, identification using Doppler, 685
- Pulmonary hypertension
- arterial, effects of vasodilator therapy on right ventricular function assessed by two-dimensional strain and tissue Doppler echocardiography in patients with, 530
 - chronic precapillary, prognostic significance of N-terminal Pro-BNP, 525
 - identification using Doppler to identify pulmonary embolism in patients with signs of, 685
 - myocardial performance index to diagnose pulmonary embolism in patients with echocardiographic signs of, 1652
 - Velocity Vector Imaging method in evaluation of right ventricular systolic function in patients with, 699
- Pulmonary veins, in-stent stenosis, cutting balloon angioplasty for, 407
- P-wave
- duration change during exercise tolerance tests, association with Duke prognostic treadmill scores, 786
 - obtained by intracardiac vs esophageal electrocardiography, 978
- QRS wave
- native narrow, effects of right ventricular pacing on intra-left ventricular electro-mechanical activation in patients with, 219
 - prolonged, as predictor of LCOS in patients with impaired left ventricular systolic function treated with isolated CABG, 1357
- QTc interval, prolongation of, effects of cocaine and methadone, 1121 (Readers' Comments)
- QT interval
- in the lowest half centile in apparently healthy persons, distribution and prognostic significance, 933
 - measurements of, relation to automated algorithms from manufacturers of electrocardiographs, 88
- Quality of life, impact of implantable cardioverter-defibrillators, 1409
- RACE study. *See* RAtE Control Versus Electrical Cardioversion study
- Ramipril
- impact on circadian periodicity of AMI, 758
 - vs other ACE inhibitors, efficacy after AMI, 6
- Rancho Bernardo study, association of carotid intimal media thickness with ankle-brachial index, 1105
- RAtE Control Versus Electrical Cardioversion study, determinants of sudden cardiac death in patients with persistent atrial fibrillation, 929
- Remodeling. *See also* Left ventricular remodeling
- atherosclerotic vessel, and plaque distribution of stenotic left anterior descending coronary arterial bifurcation lesions, intravascular ultrasound of, 193
 - at edges of sirolimus-eluting stents, effect of plaque volume, 1041
 - postnatal, of ductus arteriosus, CD44-v6 expression in smooth muscle cells, 708 (Readers' Comments)
- Renal dysfunction, and anemia, relation to chronic heart failure, 391

- Renal failure
 acute, after thoracic aortic stent-graft placement, 458
 with STEMI, effects of PCI vs thrombolysis on outcomes of, 710 (Readers' Comments)
- Renal function
 and adiponectin, relation to CVD risk, 1603
 in heart failure patients treated with nesiritide with furosemide or inotropes, 1627
 relation to implanted cardiac defibrillator and risk of sudden cardiac death in patients with ischemic left ventricular dysfunction, 485
- Renal insufficiency, with advanced heart failure, outpatient nesiritide infusion for, 226
- Renin-angiotensin-aldosterone system, role in CVD, 121, 1556 (Readers' Comments)
- Reperfusion
 for AMI, relation of ST-segment resolution to hyperglycemia after, 167
 myocardial
 impaired, effect on left ventricular remodeling in patients with anterior wall AMI treated with PCI, 725
 thrombolysis vs PCI, effects on outcomes of renal failure with STEMI, 710 (Readers' Comments)
- Repolarization, fetal cardiac, abnormalities of, 491
- Restenosis
 coronary, in patients with vs without diabetes mellitus, 1218
 after drug-eluting stent implantation, sirolimus-eluting stents vs conventional therapies for, 1451
 in-stent
 with acute coronary syndrome, association with adverse outcomes, 729
 drug-eluting stents vs intravascular brachytherapy for, 1340
 review of randomized clinical trials of drug-eluting stents for prevention of, 375
 after successful coronary artery stenting, relation of soft plaque and elevated preprocedural high-sensitivity CRP levels, 341
 intravascular ultrasound of neointimal hyperplasia and nonuniform stent strut distribution in restenosis after placement of sirolimus-eluting stent, 1559
- Revascularization
 coronary. *See* Coronary revascularization
 suitability in patients with CAD and angina pectoris, assessed by coronary computed tomographic angiography, 1198
- Rhabdomyolysis, caused by pomegranate juice consumption, 705
- Rheumatic mitral stenosis
 percutaneous balloon mitral valvuloplasty in pregnant patients with, 812
 relation of plasma soluble osteopontin to severity of mitral valve calcifications in, 817
- Right bundle branch block. *See* Bundle branch block
- Right ventricle
 adult, normal reference values for MRI of, 1660
 association between structural alterations and markers of adverse clinical outcome in adults with systemic right ventricle or transposition of the great arteries, 1277
 pacing, effects on intra-left ventricular electromechanical activation in patients with native narrow QRS, 219
- Right ventricular function
 in advanced heart failure patients, effects of levosimendan, 1489
 effects of vasodilator therapy on, assessed by two-dimensional strain and tissue Doppler echocardiography in patients with pulmonary arterial hypertension, 530
 systolic
 correlation with tricuspid annular plane systolic excursion, 973
 global and regional, evaluation in patients with pulmonary hypertension using Velocity Vector Imaging method, 699
- Right ventricular infarction, long-term survival after, 1571
- Rimonabant, to increase high-density lipoprotein cholesterol, 1546
- Rosiglitazone, effects on endothelium-dependent flow-mediated vasodilation in metabolic syndrome patients, 1057
- Rosuvastatin, vs atorvastatin, in hypercholesterolemic Hispanic-Americans, 768
- Rotational atherectomy, effects of verapamil vs nicorandil on incidence of slow flow/no reflow during, 1354
- RR interval, irregularly irregular, diagnostic accuracy for atrial fibrillation and atrial flutter, 209
- Ruptured coronary plaques, intravascular ultrasound of, 429
- Saphenous vein graft, PCI, use of glycoprotein IIb/IIIa inhibitors in, 906
- Septostomy, balloon atrial, association with preoperative stroke in neonates with transposition of the great arteries, 277 (Readers' Comments)
- Serotonin reuptake inhibitors, before CABG, 42, 1667 (Readers' Comments)
- sICAM-1. *See* Soluble intercellular adhesion molecule-1
- Signal-averaged electrocardiography, to assess congenital heart disease after ventriculotomy, 1646
- Simvastatin
 low-density lipoprotein cholesterol as predictor of coronary atherosclerotic plaque size after, 866
 in patients with type 2 diabetes mellitus, time-course of CRP reduction, 1656
- Single-photon emission computed tomography, adenosine-induced ST-segment depression with normal perfusion, 1009
- Sinus rhythm, maintenance in patients with paroxysmal atrial fibrillation with or without structural heart disease, efficacy of azilimide for, 215
- Sirolimus-eluting stents
 Bx Velocity, safety and efficacy in treatment of de novo coronary artery lesions, 1455
 direct coronary stenting with, vs stenting with predilation, intravascular ultrasound study, 1464
 effect of plaque volume on remodeling at edges of, 1041
 failure of, early- and medium-term outcomes after paclitaxel-eluting stent implantation for, 1345
 intravascular ultrasound of neointimal hyperplasia and nonuniform stent strut distribution in restenosis after placement of, 1559
 outcomes
 of incomplete stent apposition after implantation of, 436
 two-year, 36
 relation of CRP level and risk of death or myocardial infarction to PCI with, 616
 risk of noncardiac surgery after implantation of, 1212
 unrestricted use, three-year clinical follow-up, 895
 vs conventional therapy, for drug-eluting stent restenosis, 1451
 vs paclitaxel-eluting stents
 for CAD in diabetes mellitus patients, 187
 impact on outcome in diabetes mellitus patients treated with multivessel stents, 362
 overlapping in patients undergoing PCI, clinical outcomes of, 1563
- Smoking, and MMP-3 polymorphism in acute coronary syndrome, 1012
- Smooth muscle cells, in postnatal remodeling of ductus arteriosus, CD44-v6 expression in, 708 (Readers' Comments)
- Soluble intercellular adhesion molecule-1, relation to statin therapy and long-term risk of cardiovascular events in patients with previous acute coronary syndrome, 861
- Soluble osteopontin, plasma, relation to severity of mitral valve calcification in rheumatic mitral stenosis, 817
- Soy protein supplementation, effect on serum lipids, 633
- SPECT. *See* Single-photon emission computed tomography
- SSRI. *See* Serotonin reuptake inhibitors
- Statins
 algorithm for candidate selection for, 739
 effects on CAD, clinical trial data on, 129 (Editorial)
 incidence of new stroke or myocardial infarction or death in patients with severe carotid artery disease treated with or without, 1170
 low-density lipoprotein cholesterol as predictor of coronary atherosclerotic plaque size after, 866
 preprocedural, relation to in-hospital complications after PCI in hyperlipidemic patients, 325
 relation to sICAM-1 and long-term risk of cardiovascular events in patients with previous acute coronary syndrome, 861
 relation to survival in heart failure, 653
 vs nonstatin users, in a United States veteran population, mortality rates of users of, 923
- STEMI. *See* ST-segment elevation myocardial infarction
- Stenosis

- aortic, and low ejection fraction undergoing aortic valve replacement, prognostic value of preoperative atrial fibrillation in patients with, 809
- intermediate, quantification of coronary minimal lumen area using intravascular ultrasound vs 64-slice computed tomography, 871
- left anterior descending coronary arterial bifurcation lesions, intravascular ultrasound of atherosclerotic vessel remodeling and plaque distribution, 193
- pulmonary vein in-stent, cutting balloon angioplasty for, 407
- rheumatic mitral. *See* Rheumatic mitral stenosis
- significant donor left anterior descending artery, influence of collateral circulation and appropriate cut-off value for coronary flow velocity reserve, 298
- Stent fracture, nitinol, in the superficial femoral artery, effect of exercise, 272
- Stenting, single-vessel coronary, effect of diabetes mellitus on 5-year outcomes after, 718
- Stents
- bare metal vs drug-eluting
 - impact on decision making of patients with previous PCI admitted for suspected acute coronary syndrome, 338
 - for non-ST-elevation ACS, effects on biomarkers, 1299 (Readers' Comments)
 - for PCI of internal mammary artery, 722
 - for bifurcation lesions, acute and long-term results, 1214
 - coronary, loss during interventional procedures, 367
 - drug-eluting
 - frequency and risk factors for thrombosis after implantation of, 352
 - impact of low high-density lipoprotein cholesterol on outcomes of non-ST-elevation myocardial infarction acute coronary syndrome treated with, 711
 - implantation in single coronary lesions, outcomes after extensive coverage with, 357
 - multiple overlapping, outcomes in diffuse coronary lesions, 918
 - for prevention of in-stent restenosis, review of randomized clinical trials of, 375
 - risk of noncardiac surgery after implantation, 1212
 - sirolimus-eluting stents vs conventional therapy for restenosis after implantation of, 1451
 - vs intravascular brachytherapy, for patients with drug-eluting stent restenosis, 1340
 - implantation with predilation, vs direct coronary stenting with sirolimus-eluting stent, intravascular ultrasound study, 1464
 - paclitaxel-eluting. *See* Paclitaxel-eluting stents
 - sirolimus-eluting. *See* Sirolimus-eluting stents
- Strain echocardiography, two-dimensional
- effects of vasodilator therapy on right ventricular function in patients with pulmonary arterial hypertension, 530
 - in evaluation of left ventricular diastolic deformation in CAD patients, 1581
- Stress echocardiography
- pacing atrial, overview and clinical applications, 549
 - safety of, 541
 - in subjects with asymptomatic hereditary hemochromatosis, left ventricular systolic function during, 694
- Stress testing
- sestamibi, prevalence of myocardial ischemia vs unrecognized myocardial infarction in patients with vs without diabetes mellitus, 1045
 - technetium-99m-tetrofosmin myocardial perfusion imaging, prognostic value of, 585
- Stroke
- embolic, due to a left atrial thrombus two years after placement of Amplatzer device, 1294
 - ischemic, and peripheral emboli, relation of atrial shunts to migraine in patients with, 831
 - new, incidence in patients with severe carotid artery disease treated with or without statins, 1170
 - preoperative, in neonates with transposition of the great arteries, relation to balloon atrial septostomy, 277 (Readers' Comments)
- ST-segment depression, adenosine-induced, with normal perfusion, SPECT of, 1009
- ST-segment deviation, in recurrent AMI, 10
- ST-segment elevation, prognostic value of flow-mediated vasodilation of brachial artery in survivors of acute coronary syndrome without, 1424
- ST-segment elevation myocardial infarction
- clopidogrel to abolish increased risk of reinfarction associated with high platelet counts in, 761
 - early and late outcomes after primary PCI for, 331
 - effect of aspirin plus clopidogrel on ST-segment resolution in patients with, 1435
 - effects of glucose-insulin-potassium infusion on myocardial perfusion and left ventricular remodeling in patients treated with primary angioplasty, 1349
 - effects of PCI vs thrombolysis on outcomes of renal failure with, 710 (Readers' Comments)
 - first, brachial reactivity and extent of CAD in patients with, 754
 - fractional flow reserve measurements to defer coronary revascularization in patients with, 289
 - impact of multivessel coronary disease and chronic total occlusion in long-term mortality in patients with, 1165
 - paramedic-diagnosed, early mortality in patients transported to a primary PCI intervention center vs to the nearest hospital, 1329
 - patients undergoing primary PCI, effects of heparin on VEGF levels, 902
 - presentation and outcomes of, relation to platelet counts, 1, 1417 (Readers' Comments)
 - recurrent, ST-segment deviation in, 10
 - role of calcifications detected by intravascular ultrasound in, 309
 - ST-segment recovery in patients reperfused by prehospital combination fibrinolysis, prehospital initiated facilitated PCI or primary PCI, 1132
 - ST-segment–heart rate loop, in evaluation of exercise-induced reversible ischemia in healed anterior wall myocardial infarction, 346
 - ST-segment recovery, in STEMI patients reperfused by prehospital combination fibrinolysis, prehospital initiated facilitated PCI or primary PCI, 1132
 - ST-segment resolution
 - relation to hyperglycemia after reperfusion for AMI, 167
 - in STEMI patients, effect of aspirin plus clopidogrel, 1435
 - Sudden cardiac death
 - determinants in patients with persistent atrial fibrillation, RACE study, 929
 - risk of, relation to implanted cardiac defibrillator and renal function in patients with ischemic left ventricular dysfunction, 485
 - Superior vena cava syndrome, and congestive heart failure, caused by giant coronary artery aneurysm, 986
 - Supine position, in ergometry exercise, heart rate recovery obtained by, 1297 (Readers' Comments)
 - Supraventricular tachycardia, associated with idiopathic atrial fibrillation, 1242
- Surgery
- for abdominal aortic aneurysm, relation of N-Terminal Pro-BNP to postoperative cardiac events in patients under, 111
 - cardiac, outcomes in Jehovah's vs non-Jehovah's witnesses, 1223
 - noncardiac, risk after drug-eluting stent implantation, 1212
 - for tricuspid regurgitation after mitral valve surgery, role of tricuspid annular systolic velocity in outcome prediction in, 659
- Survival
- in heart failure
 - 8-year, effect of marital quality, 1069
 - relation to serum total cholesterol, CRP and statin therapy, 653
 - long-term, after right ventricular infarction, 1571
 - Systematic review, need for, on safety concerns of nonopioid analgesics, 1667 (Readers' Comments)
 - Systemic hypertension
 - and 11 β -hydroxysteroid dehydrogenase, 544
 - relation to alcohol consumption, 1063
 - Systemic right ventricle, association between right ventricular structural alterations and markers of adverse clinical outcome in adults with, 1277
 - Systole, peak, on graded maximal exercise test and BP response to submaximal exercise, 938
 - Systolic dysfunction
 - in an unselected regional population with hypertrophic cardiomyopathy, 1269
 - left ventricular
 - with LCOS, in patients treated with isolated CABG, prolonged QRS duration as predictor of, 1357
 - and mild heart failure secondary to ischemic or nonischemic cardiomyopathy, CRT for patients with, 230

- left ventricular
of American Indians, gender differences in, 834
impaired, prediction of exercise tolerance by diastolic mitral annular velocity, 709 (Readers' Comments), 1298 (Readers' Comments)
improved, predictors in an urban cardiomyopathy program, 1622
during stress echocardiography in subjects with asymptomatic hereditary hemochromatosis, 694
preserved, CRP, TnT and BNP in risk assessment of patients with, 1322
right ventricular
correlation with tricuspid annular plane systolic excursion, 973
global and regional, evaluation in patients with pulmonary hypertension using Velocity Vector Imaging method, 699
- Systolic heart failure, vs preserved ejection fraction, in African-Americans, 806
- Systolic velocity, tricuspid annular, role in outcome prediction in patients undergoing surgery for tricuspid regurgitation after mitral valve surgery, 659
- Szczeklik, Andrzej, 1403 (Editorial)
- Tachycardia
supraventricular, associated with idiopathic atrial fibrillation, 1242
ventricular, body surface maps to demonstrate reentrant activation during, 591
- Tako-Tsubo syndrome, prevalence in a large urban agglomeration, 662
- Taxus stents
frequency and severity of plaque prolapse within, 1206
undeployed, failure to retrieve, 426 (Readers' Comments)
- Technetium-99m-sestamibi stress test, prevalence of myocardial ischemia vs unrecognized myocardial infarction in patients with vs without diabetes mellitus, 1045
- Technetium-99m-tetrofosmin myocardial perfusion imaging, prognostic value of, 585
- Tenting volume, of mitral valve, assessed by real-time three-dimensional echocardiography, clinical value in patients with functional mitral regurgitation, 1088
- Thoracic aortic stent-graft placement, acute renal failure after, 458
- Thoracic artery, responsiveness to angiotensin II in CABG patients, effects of CRP and cholesterol, 751
- Thoracic electrical impedance, determinants in external electrical cardioversion of atrial fibrillation, 82
- Three-dimensional image reconstruction. *See* Image reconstruction
- Thrombocytopenia, pathogenesis in cyanotic congenital heart disease, 254
- Thromboembolism
left atrial appendage, detection by transesophageal echocardiography, 1120 (Readers' Comments)
venous. *See* Venous thromboembolism
- Thrombolysis
effects during out-of-hospital CPR, 426 (Readers' Comments), 570 (Readers' Comments)
vs PCI, effects on outcomes of renal failure with STEMI, 710 (Readers' Comments)
- Thrombosis, after drug-eluting stent implantation, frequency and risk factors for, 352
- Thrombus
intraaneurysmal, weight of, relation to maximal right-to-left diameters of abdominal aortic aneurysm, 1519
left atrial, two years after placement of Amplatzer device, causing embolic stroke, 1294
- TNF- α . *See* Tumor necrosis factor-alpha
- TnT. *See* Troponin T
- Total cholesterol, serum, relation to survival in heart failure, 653
- Transesophageal echocardiography
Doppler, in detection of intramyocardial collateral flow to the right coronary artery and inferior left ventricular wall after CABG, 1587
in prediction of left atrial appendage thrombus, 1120 (Readers' Comments)
vs three-dimensional image reconstruction, diagnostic value in mitral valve prolapse, 243
- Transposition of the great arteries
association between right ventricular structural alterations and markers of adverse clinical outcome in adults with, 1277
- pregnancy outcomes after atrial repair for, 668
relation of balloon atrial septostomy to preoperative stroke in neonates with, 277 (Readers' Comments)
- Transthoracic echocardiography
Doppler, in functional assessment of collateral circulation in chronic total coronary occlusion, 197
two-dimensional, in assessment of isolated left ventricular noncompaction, 568 (Readers' Comments)
vs computed tomography, diagnostic accuracy for ascending aortic aneurysm, 966
- Tricuspid annular plane systolic excursion, correlation with right ventricular systolic function, 973
- Tricuspid annular systolic velocity, role in outcome prediction in patients undergoing surgery for tricuspid regurgitation after mitral valve surgery, 659
- Tricuspid regurgitation
functional, determinants of severity, 236
severity of, relation to tricuspid inflow E-wave velocity, 399
surgery for, after mitral valve surgery, role of tricuspid annular systolic velocity in outcome prediction in, 659
- Triglycerides, goal adherence and use of lipid medications in patients with diabetes, 63
- Troponin
chest pain positive for, contrast-enhanced MRI in detection of myocardial scar in, 709 (Readers' Comments)
in predicting mortality among stable hemodialysis patients, 1283
- Troponin T
minor elevations of, in vascular surgery patients, impact of glomerular filtration rate on prognostic value of, 1515
in risk assessment of patients with non-ST-elevation coronary syndromes and preserved systolic function, 1322
- Tube current modulation, in cardiac multidetector computed tomographic angiography, guided by tissue Doppler imaging, 603
- Tumor necrosis factor-alpha, relation to ambulatory blood pressure variability in healthy adults, 649
- Ultrasound
intravascular. *See* Intravascular ultrasound
vs Framingham risk score, in assessment of subclinical CVD in a community-based multiethnic population, 1374
- Unsaturated fatty acids, role in cognitive impairment and CVD risk factors, 1120 (Readers' Comments)
- Urban population, prevalence of Tako-Tsubo syndrome, 662
- Valvuloplasty, percutaneous mitral, relation of age to outcome of, 1493
- Vascular endothelial growth factor
levels in patients with STEMI undergoing primary PCI, effects of heparin, 902
relation to development of collateral vessels, angiographic evaluation, 423 (Readers' Comments)
in stable angina pectoris and total coronary artery occlusion, 424 (Readers' Comments)
- Vascular surgery, impact of glomerular filtration rate on prognostic value of minor TnT elevations in patients, 1515
- Vasculopathy, coronary allograft, detected by 64-slice multidetector computed tomography vs intravascular ultrasound, 877
- Vasodilation
effects of caffeine, 1538
endothelium-dependent flow-mediated, in metabolic syndrome patients, effects of rosiglitazone, 1057
- Vasodilator therapy, effects on right ventricular function assessed by two-dimensional strain and tissue Doppler echocardiography in patients with pulmonary arterial hypertension, 530
- Vasopressin, with epinephrine, for out-of-hospital cardiac arrest, 1316
- VEGF. *See* Vascular endothelial growth factor
- Velocity Vector Imaging method
evaluation of global and regional right ventricular systolic function in patients with pulmonary hypertension, 699
to quantify ventricular dyssynchrony and predict response to CRT, 949

- Venous infusion, of adenosine, in functional assessment of collateral circulation in chronic total coronary occlusion, 197
- Venous thromboembolism
 optimal initial warfarin dosing for, 535
 risk in patients hospitalized with heart failure, 793
- Ventricle
 activation during left ventricular pacing, demonstrated by body surface maps, 591
 single, B-type natriuretic peptides in patients with systemic ventricle heart failure vs isolated cavopulmonary failure, 520
- Ventricular arrhythmia, in patients with decompensated advanced heart failure secondary to ischemic or dilated cardiomyopathy, effect of levosimendan on, 1641
- Ventricular dysfunction. *See* Left ventricular dysfunction
- Ventricular dyssynchrony, response to CRT, quantified by Velocity Vector Imaging method, 949
- Ventricular fibrillation arrest
 out-of-hospital, in patients with ischemic and nonischemic heart disease, long-term outcomes after, 587
 time-dependent benefit of bystander CPR for, 497
- Ventricular function. *See* Left ventricular function; Right ventricular function
- Ventricular noncompaction, isolated, relation to different types of cardiomyopathy, 821, 1558 (Readers' Comments)
- Ventricular premature complexes, to predict CHD and mortality, 1609
- Ventricular remodeling. *See* Left ventricular remodeling
- Ventricular septal defect, vs atrial septal defect, prevalence of pericardial effusion in adults with, 1103
- Ventricular tachycardia, body surface maps to demonstrate reentrant activation during, 591
- Ventriculotomy, signal-averaged electrocardiography in assessment of congenital heart disease after, 1646
- Ventriculovascular uncoupling, in patients with uncomplicated hypertension vs with hypertension after heart transplantation, 789
- Verapamil, vs nicorandil, effects on incidence of slow flow/no reflow during rotational atherectomy, 1354
- Very-low-density lipoprotein cholesterol, as predictor of CHD risk, 1363
- Waist circumference, vs body mass index, in identifying differences in insulin sensitivity and CVD risk factors, 1053
- Wall motion, regional left ventricular, two-dimensional echocardiography in automated quantitation of, 1531
- Wall motion abnormalities, prognostic significance in patients with ischemic cardiomyopathy and an implantable cardioverter-defibrillator, 1301
- Warfarin, optimal initial dosing for venous thromboembolism, 535
- Weight
 excess, vs cardiorespiratory fitness, impact on CVD risk, 1468
 of intraaneurysmal thrombi, relation to maximal right-to-left diameters of abdominal aortic aneurysm, 1519
- Weight loss, due to lifestyle intervention, effect on subclinical cardiovascular dysfunction in obesity, 1593
- WelChol. *See* Colesevelam hydrochloride
- White blood cell count
 on admission, relation to one-year outcomes in patients with non-ST-segment elevation acute chest pain, 885
 in an unselected population referred for coronary angiography, 1189
- Whites, vs blacks, effectiveness of implantable cardioverter-defibrillators, 1383
- Wireless transmission, prehospital, of electrocardiograms to a cardiologist, effectiveness in AMI patients, 1160
- Women
 middle-aged and older US, magnesium intake and risk of incident hypertension among, 1616
 relation of plasma albumin and fibrinogen to risk of atrial fibrillation in, 75
 symptoms of acute coronary syndrome in, 1177
 vs men
 in-hospital mortality due to AMI, 1000
 results of PCI for unstable angina pectoris or non-ST-elevation AMI in, 182
 short- and long-term prognosis after AMI, 993