

Subject Index: Volume 48

Abdominal aortic aneurysm

Retention and activation of blood-borne proteases in the arterial wall: implications for atherothrombosis, A3

Abdominal compression bandages

Lower limb and abdominal compression bandages prevent progressive orthostatic hypotension in elderly persons, 1425

Ablation

See also Catheter ablation

Ablation of left ventricular epicardial outflow tract tachycardia from the distal great cardiac vein, 1813

Effects of two different catheter ablation techniques on spectral characteristics of atrial fibrillation, 340

Four-year efficacy of cardiac resynchronization therapy on exercise tolerance and disease progression, 734

Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340

Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642

Acadesine

Post-reperfusion myocardial infarction, 206

ACC

ACC/AHA 2006 practice guidelines for the management of patients with valvular heart disease: executive summary, 598

ACC/AHA/ESC 2006 guidelines for management of patients with ventricular arrhythmias and the prevention of sudden cardiac death—executive summary, 1064

ACC/AHA/ESC 2006 guidelines for the management of patients with atrial fibrillation—executive summary, 854

ACC/AHA/HRS 2006 key data elements and definitions for electrophysiological studies and procedures, 2360

ACCF/AHA scientific statement on syncope needs rethinking (letter), 2598

American College of Cardiology/American Heart Association 2006 update of the clinical competence statement on invasive electrophysiology studies, catheter ablation, and cardioversion, 1503

American College of Cardiology principles to guide physician pay-for-performance programs, 2603

Influenza vaccination as secondary prevention for cardiovascular disease, 1498

President's page: John C. (Jack) Lewin, MD: From rural Maui to CEO of the American College of Cardiology, 584

ACC News

Newly elected members of the college, 2158

President's page: a new home for the American College of Cardiology, 1056

President's page: acute coronary care: the yardstick of value, 1469

President's page: GAP-D2B: an alliance for quality, 1911

President's page: John C. (Jack) Lewin, MD: From rural Maui to CEO of the American College of Cardiology, 584

Presidents Page: keeping a commitment to our patients, our profession, and a city, 2348

President's page: the rapid emergence of multi-modality cardiovascular imaging, 217

Acute coronary care

President's page: acute coronary care: the yardstick of value, 1469

Acute coronary syndromes

See also Non-ST-segment elevation acute coronary syndromes

Acute clopidogrel use and outcomes in patients with non-ST-segment elevation acute coronary syndromes undergoing coronary artery bypass surgery, 281

Benefit of early invasive therapy in acute coronary syndromes, 1319

Clinical guidelines and practice, 1129

Course of depressive symptoms and medication adherence after acute coronary syndromes: an electronic medication monitoring study, 2218

Increased levels of neutrophil-activating peptide-2 in acute coronary syndromes, 1591

Management of women with acute coronary syndromes (letter), 2356

Randomized comparison of high clopidogrel loading doses in patients with non-ST-segment elevation acute coronary syndromes, 931

Short- and long-term risk stratification in acute coronary syndromes, 939

Troponin-T and N-terminal pro-B-type natriuretic peptide predict mortality benefit from coronary revascularization in acute coronary syndromes, 1146

Acute myocardial infarction

See Myocardial infarction

Adenosine

Post-reperfusion myocardial infarction, 206

Adenosine stress

Multidetector computed tomography myocardial perfusion imaging during adenosine stress, 153

Adenosine technetium-99m sestamibi myocardial perfusion imaging

Multinational study to establish adenosine technetium-99m sestamibi myocardial perfusion imaging in identifying a low-risk group for early hospital discharge following acute myocardial infarction, 2448

Adenylyl cyclase VI

Cardiac-directed expression of adenylyl cyclase VI facilitates atrioventricular nodal conduction, 559

Adiponectin

A big fat wedding (editorial), 1163

Plasma adiponectin levels are associated with coronary lesion complexity in men with coronary artery disease, 1155

Serum concentrations of adiponectin and risk of type 2 diabetes mellitus and coronary heart disease in apparently healthy middle-aged men, 1369

Adolescents

Estimates of life expectancy by adolescents and young adults with congenital heart disease, 349

African Americans

Aldosterone synthase promoter polymorphism predicts outcome in African Americans with heart failure, 1277

Outcomes by gender in the African-American Heart Failure Trial, 2263

Prescribing BiDil, 12

Aging

See Elderly; Older adults

AHA

ACC/AHA 2006 practice guidelines for the management of patients with valvular heart disease: executive summary, 598

ACC/AHA/ESC 2006 guidelines for management of patients with ventricular arrhythmias and the prevention of sudden cardiac death—executive summary, 1064

ACC/AHA/ESC 2006 guidelines for the management of patients with atrial fibrillation—executive summary, 854

American College of Cardiology/American Heart Association 2006 update of the clinical competence statement on invasive electrophysiology studies, catheter ablation, and cardioversion, 1503

Influenza vaccination as secondary prevention for cardiovascular disease, 1498

Albumin

Ischemic modified albumin in relation to exercise stress testing, 2482

Alcohol consumption

Association of alcohol consumption and incident heart failure, 305

Aldosterone synthase promoter polymorphism

Aldosterone synthase promoter polymorphism predicts outcome in African Americans with heart failure, 1277

Aldosteronism

Prospective study of the prevalence of primary aldosteronism in 1125 hypertensive patients, 2293

Allen's test

Is Allen's test accurate for patients considered for transradial coronary angiography? (letter), 1287

Use of Allen's test and transradial catheterization (letter), 1287

Allergic reactions

Allergic reactions following implantation of drug-eluting stents: a manifestation of Kounis syndrome? (letter), 592

American Society of Echocardiography

Meeting highlights of the 17th Annual Scientific Sessions of the American Society of Echocardiography: Baltimore, Maryland, June 3-7, 2006, 1880

Amino-terminal pro-brain natriuretic peptide

Amino-terminal pro-brain natriuretic peptide, renal function, and outcomes in acute heart failure, 1621

Amino-terminal pro-brain natriuretic peptide to diagnose congestive heart failure in patients with impaired kidney function (letter), 1060

Utility of amino-terminal pro-brain natriuretic peptide, galectin-3, and apelin for the evaluation of patients with acute heart failure, 1217

Amlodipine

Antianginal efficacy of ranolazine when added to treatment with amlodipine, 566

Anemia

Anemia in heart failure: time to rethink its etiology and treatment? (editorial), 2490

Etiology of anemia in advanced heart failure, 2485
Intravenous iron alone for the treatment of anemia in patients with chronic heart failure, 1225

Angina pectoris

Antianginal efficacy of ranolazine when added to treatment with amlodipine, 566

Effects of metformin on microvascular function and exercise tolerance in women with angina and normal coronary arteries, 956

Enhanced external counterpulsation treatment improves arterial wall properties and wave reflection characteristics in patients with refractory angina, 1208

Ranolazine: augmenting the antianginal armamentarium (editorial), 576

Thrombopoietin contributes to enhanced platelet activation in patients with unstable angina, 2195

Angiogenesis

Endothelial progenitor cells participate in nicotine-mediated angiogenesis, 2552

Janus face of nicotinic angiogenesis (editorial), 2560

Molecular mechanisms in heart failure: focus on cardiac hypertrophy, inflammation, angiogenesis, and apoptosis, A56

Angiography

See also Coronary angiography; Magnetic resonance angiography

Detection of coronary artery stenosis with whole-heart coronary magnetic resonance angiography, 1946

Impact of routine angiographic follow-up on the clinical benefits of paclitaxel-eluting stents, 32

Number of endothelial progenitor cell colonies in the blood is increased in patients with angiographically significant coronary artery disease, 1579

Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423

Two-year follow-up of the quantitative angiographic and volumetric intravascular ultrasound analysis after non-polymeric paclitaxel-eluting stent implantation: late “catch-up” phenomenon from the study ASPECT study, 2432

Angioplasty

Cardiac allograft vasculopathy in heart transplant patients (editorial), 462

Interaction among risk-time and benefit of primary angioplasty (letter), 1062

Thrombus aspiration before primary angioplasty improves myocardial reperfusion in acute myocardial infarction, 1552

Angiotensin-converting enzyme

Angiotensin-converting enzyme genotype predicts cardiac and autonomic responses to prolonged exercise, 523

Anthracycline-induced cardiomyopathy

Protective effects of carvedilol against anthracycline-induced cardiomyopathy, 2258

Antiarrhythmic drug therapy

Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340

Antibody 4E6

Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973

Antiplatelet agents

Insulin therapy is associated with platelet dysfunction in patients with type 2 diabetes mellitus on dual oral antiplatelet treatment, 298

Antithrombin therapy

Subgroup analysis of the impact of prerandomization antithrombin therapy on outcomes in the SYNERGY trial, 1346

Aortic sinus

Focal atrial tachycardia originating from the non-coronary aortic sinus, 122

Aortic stenosis

Activation of apoptotic caspase cascade during the transition to pressure overload-induced heart failure, 1451

Physiologic timing for objective checking of instantaneous maximal aortic stenotic area (letter), 2353

Apelin

Utility of amino-terminal pro-brain natriuretic peptide, galectin-3, and apelin for the evaluation of patients with acute heart failure, 1217

Apolipoprotein A-I

Bone marrow transplantation shows superior atheroprotective effects of gene therapy with apolipoprotein A-I Milano compared with wild-type apolipoprotein A-I in hyperlipidemic mice, 1459

Apolipoprotein A-I Milano

Bone marrow transplantation shows superior atheroprotective effects of gene therapy with wild-type apolipoprotein A-I Milano compared with hyperlipidemic mice, 1459

Apolipoprotein B100

Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973

Apolipoprotein E

Apolipoprotein E genotype and circulating interleukin-10 levels in patients with stable and unstable coronary artery disease, 2471

Apoptosis

Activation of apoptotic caspase cascade during the transition to pressure overload-induced heart failure, 1451

Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688

Molecular mechanisms in heart failure: focus on cardiac hypertrophy, inflammation, angiogenesis, and apoptosis, A56

Apoptosis-inducing factor

EUK-8, a superoxide dismutase and catalase mimetic, reduces cardiac oxidative stress and ameliorates pressure overload-induced heart failure in the Harlequin mouse mutant, 824

Arrhythmias

See also *specific arrhythmia*

ACC/AHA/ESC 2006 guidelines for management of patients with ventricular arrhythmias and the prevention of sudden cardiac death—executive summary, 1064

Arrhythmia predisposition: between rare disease paradigms and common ion channel gene variants, A67

Arrhythmia risk prediction in patients with preserved left ventricular function: the final frontier? (editorial), 2275

Benefit of combined resynchronization and defibrillator therapy in heart failure patients with and without ventricular arrhythmias, 464

Cardiac electrophysiological consequences of neuromuscular incapacitating device discharges, 798

Dietary fish and n-3 fatty acid intake and cardiac electrocardiographic parameters in humans, 478

Arrhythmogenic right ventricular cardiomyopathy

Cardiovascular magnetic resonance in arrhythmogenic right ventricular cardiomyopathy revisited: comparison with task force criteria and genotype, 2132

Penetrance of mutations in plakophilin-2 among families with arrhythmogenic right ventricular dysplasia/cardiomyopathy, 1416

Arrhythmogenic right ventricular dysplasia

MRI of arrhythmogenic right ventricular dysplasia: sensitivity, specificity and observer variability of fat detection versus functional analysis of the right ventricle, 2277

Penetrance of mutations in plakophilin-2 among families with arrhythmogenic right ventricular dysplasia/cardiomyopathy, 1416

Arterial wall

Enhanced external counterpulsation treatment improves arterial wall properties and wave reflection characteristics in patients with refractory angina, 1208

Aspirin resistance

Aspirin resistance and atherothrombotic disease (letter), 846

Asymmetric dimethylarginine

Acute effects of high-fat meals enriched with walnuts or olive oil on postprandial endothelial function, 1666

Atherectomy

Long-term results after directional atherectomy of femoro-popliteal lesions, 1573

Atherosclerosis

Are familial Mediterranean fever (FMF) patients at increased risk for atherosclerosis?, 2351

Coronary artery calcification and myocardial perfusion in asymptomatic adults, 1018

Effect of novel cardiovascular risk factors on the ethnic-specific odds for peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA), 1190

Effects of normal, pre-hypertensive, and hypertensive blood pressure levels on progression of coronary atherosclerosis, 833

Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973

Measuring effects of antiatherosclerotic therapies (letter), 845

Novel inhibitory effect of naloxone on macrophage activation and atherosclerosis formation in mice, 1871

Oxidized or native low-density lipoprotein cholesterol (editorial), 980

Protein kinase C β /early growth response-1 pathway: a key player in ischemia, atherosclerosis, and restenosis, A47

Traditional cardiovascular risk factors for in relation to left ventricular mass, volume, and systolic

- function by cardiac magnetic resonance imaging: the Multi-Ethnic Study of Atherosclerosis, 2285
- Atherosclerotic plaque**
- Characterization of plaque prolapse after drug-eluting stent implantation in diabetic patients, 1139
 - Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization, 236
 - Coronary plaque burden and cardiovascular risk factors: single-point versus serial assessment (letter), 1914
 - In vivo ¹⁸F-fluorodeoxyglucose positron emission tomography imaging provides a noninvasive measure of carotid plaque inflammation in patients, 1818
 - Increased levels of neutrophil-activating peptide-2 in acute coronary syndromes, 1591
 - Relation between lipoprotein(a) and fibrinogen and serial intravascular ultrasound plaque progression in left main coronary arteries, 446
 - Simvastatin attenuates plaque inflammation: evaluation by fluorodeoxyglucose positron emission tomography, 1825
- Atherothrombosis**
- Aspirin resistance and atherothrombotic disease (letter), 846
 - Homocysteine hypothesis for atherothrombotic cardiovascular disease, 914
 - Inflammation and atherothrombosis: from population biology and bench research to clinical practice, A33
 - Retention and activation of blood-borne proteases in the arterial wall: implications for atherothrombosis, A3
- Atorvastatin**
- Atorvastatin in nonischemic left ventricular systolic dysfunction (letter), 1283
 - Atorvastatin increases plasma soluble Fms-like tyrosine kinase-1 and decreases vascular endothelial growth factor and placental growth factor in association with improvement of ventricular function in acute myocardial infarction, 43
 - Effects of high-dose atorvastatin on cerebrovascular events in patients with stable coronary disease in the TNT Study, 1793
 - Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in individuals with below-average high-density lipoprotein cholesterol levels on a background of atorvastatin, 1782
 - Protection from procedural myocardial injury by atorvastatin is associated with lower levels of adhesion molecules after percutaneous coronary intervention, 1560
- Atrial fibrillation**
- ACC/AHA/ESC 2006 guidelines for the management of patients with atrial fibrillation—executive summary, 854
 - Atrial arrhythmias after surgical maze, 1405
 - Atrial fibrillation or sinus rhythm? (editorial), 731
 - Cardiovascular imaging in the management of atrial fibrillation, 2077
 - Desperately seeking a randomized clinical trial of resynchronization therapy for patients with heart failure and atrial fibrillation (editorial), 744
 - Effects of two different catheter ablation techniques on spectral characteristics of atrial fibrillation, 340
 - Left atrial size and postoperative atrial fibrillation (editorial), 787
 - Left atrial volume predicts the risk of atrial fibrillation after cardiac surgery, 779
 - Pulmonary vein total occlusion following catheter ablation in atrial fibrillation: clinical implications after long term follow up, 2493
 - Quality of life and exercise performance in patients in sinus rhythm versus persistent atrial fibrillation, 721
 - Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340
 - Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642
 - Validation of the noncontact mapping system in the left atrium during permanent atrial fibrillation and sinus rhythm, 485
 - Verapamil versus digoxin and acute versus routine serial cardioversion for the improvement of rhythm control for persistent atrial fibrillation, 1001
- Atrial flutter**
- Atrial flutter in infants, 1040
 - Substrate mapping to detect abnormal atrial endocardium with slow conduction in patients with atypical right atrial flutter, 492
- Atrial natriuretic peptide**
- Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499
 - Natriuretic peptides and cardiac hypertrophy (editorial), 506
- Atrial septal defects**
- Device closure rates of simple atrial septal defects optimized by the STARFlex device, 538
 - Interventional atrial septal defect closure using a totally bioresorbable occluder matrix, 161
- Atrial tachycardia**
- Focal atrial tachycardia originating from the non-coronary aortic sinus, 122
 - P-wave morphology in focal atrial tachycardia, 1010
- Atrioventricular block**
- Presentation and prognosis of complete atrioventricular block in childhood, according to maternal antibody status, 1682
- Atrioventricular junction ablation**
- Four-year efficacy of cardiac resynchronization therapy on exercise tolerance and disease progression, 734
- Atrioventricular nodal conduction**
- Cardiac-directed expression of adenylyl cyclase VI facilitates atrioventricular nodal conduction, 559
- Atrioventricular node ablation**
- Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642
- Azimilide**
- Cumulative experience of azimilide-associated torsades de pointes ventricular tachycardia in the 19 clinical studies comprising the azimilide database, 471
- Balloon angioplasty**
- Renal artery stenting following unsuccessful balloon angioplasty (letter), 225
- Bare-metal stents**
- Cost effectiveness of paclitaxel-eluting stents for patients undergoing percutaneous coronary revascularization, 253
 - Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366
- Late clinical events after clopidogrel discontinuation may limit the benefit of drug-eluting stents: an observational study of drug-eluting vs. bare-metal stents, 2583**
- Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423**
- Baroreceptors**
- Enhanced baroreceptor control of the cardiovascular system by polyunsaturated fatty acids in heart failure patients, 1600
- Beat-to-beat variability of repolarization**
- Beat-to-beat variability of repolarization determines proarrhythmic outcome in dogs susceptible to drug-induced torsades de pointes, 1268
- Behcet disease**
- Impaired coronary microvascular functions in patients with Behcet disease (correspondence), 586
- Beta-blockers**
- Any need for preoperative cardiac testing in intermediate-risk patients with tight beta-adrenergic blockade? (editorial), 970
 - Beta-blockers and depression following myocardial infarction: a multicenter prospective study, 2209
 - Beta-blockers and exercise (letter), 1284
 - Depression after myocardial infarction: unraveling the mystery of poor cardiovascular prognosis and role of beta-blocker therapy (editorial), 2215
 - Effects of beta-blocker therapy on ventricular repolarization documented by 24-h electrocardiography in patients with type 1 long-QT syndrome, 747
 - Should major vascular surgery be delayed because of preoperative cardiac testing in intermediate-risk patients receiving beta-blocker therapy with tight heart rate control?, 964
- BiDil**
- Prescribing BiDil, 12
- Biomarkers**
- Biomarkers in acute cardiac disease, 1
 - Biomarkers in acute cardiac disease (letter), 2358
 - Cardiovascular proteomics: tools to develop novel biomarkers and potential applications, 1733
 - Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396
- Biomaterials**
- Biomaterials for the treatment of myocardial infarction, 907
- Bioresorbable occluder matrix**
- Interventional atrial septal defect closure using a totally bioresorbable occluder matrix, 161
- Biplane cineventriculography**
- Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034
- Blood pressure**
- Effects of normal, pre-hypertensive, and hypertensive blood pressure levels on progression of coronary atherosclerosis, 833
 - Optimal blood pressure levels in patients with coronary artery disease (editorial), 839

Blood viscosity

Blood viscosity and its relationship to iron deficiency, symptoms, and exercise capacity in adults with cyanotic congenital heart disease, 356

Blood-borne proteases

Retention and activation of blood-borne proteases in the arterial wall: implications for atherothrombosis, A3

Body mass index

Emperor's new clothes are looses: lower body mass index, not calorie restriction, accounts for improved diastolic function (letter), 847

Bone marrow cells

Testing regeneration of human myocardium without knowing the identity and the number of effective bone marrow cells transplanted: are the results meaningful? (letter), 417

Bone marrow stem cells

Autologous bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor after subacute ST-segment elevation myocardial infarction undergoing late revascularization, 1712

Bone marrow transplantation

Bone marrow transplantation shows superior atheroprotective effects of gene therapy with apolipoprotein A-I Milano compared with wild-type apolipoprotein A-I in hyperlipidemic mice, 1459

Bosentan

Safety and efficacy of inhaled treprostinil as add-on therapy to bosentan in pulmonary arterial hypertension, 1433

B-type natriuretic peptide

Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499

Biomarkers in acute cardiac disease, 1

Gender-specific risk stratification with B-type natriuretic peptide levels in patients with acute dyspnea: insights from the B-type natriuretic peptide for acute shortness of breath evaluation study, 1808

Natriuretic peptides and cardiac hypertrophy (editorial), 506

Caffeine

Caffeine prevents protection in two human models of ischemic preconditioning, 700

How does caffeine increase exercise capacity but decrease myocardial flow reserve? (letter), 2355

Calcium cycling

Reversal of calcium cycling defects in advanced heart failure: toward molecular therapy, A15

Calorie restriction

Emperor's new clothes are looses: lower body mass index, not calorie restriction, accounts for improved diastolic function (letter), 847

Carbenoxolone

Effects of carbenoxolone on human myocardial conduction, 1242

Cardiac allograft vasculopathy

Cardiac allograft vasculopathy in heart transplant patients (editorial), 462

In-stent restenosis and remote coronary lesion progression are coupled in cardiac transplant vasculopathy but not in native coronary artery disease, 453

Cardiac catheterization

After fibrinolysis (editorial), 1336

Cardiac catheterization laboratories

Variability in fluoroscopic X-ray exposure in contemporary cardiac catheterization laboratories, 1361

Cardiac cell death

Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688

Cardiac hypertrophy

Molecular mechanisms in heart failure: focus on cardiac hypertrophy, inflammation, angiogenesis, and apoptosis, A56

Natriuretic peptides and cardiac hypertrophy (editorial), 506

Cardiac physical examination

With the cardiac physical examination? (editorial), 2156

Cardiac resynchronization therapy

Benefit of combined resynchronization and defibrillator therapy in heart failure patients with and without ventricular arrhythmias, 464

Benefits of cardiac resynchronization therapy for heart failure patients with narrow QRS complexes and coexisting systolic asynchrony by echocardiography, 2251

Cardiac resynchronization therapy in patients with a narrow QRS complex, 2243

Cost-effectiveness of cardiac resynchronization therapy (letter), 1283

Delayed enhancement magnetic resonance imaging predicts response to cardiac resynchronization therapy in patients with intraventricular dyssynchrony, 1953

Desperately seeking a randomized clinical trial of resynchronization therapy for patients with heart failure and atrial fibrillation (editorial), 744

Four-year efficacy of cardiac resynchronization therapy on exercise tolerance and disease progression, 734

Questions in cardiac resynchronization therapy: metabolic implications (letter), 591

Role of septal to posterior wall motion delay in cardiac resynchronization therapy (letter), 596

Cardiac rhythm management devices

Rising rates of cardiac rhythm management device infections in the United States: 1996 through 2003 (correspondence), 590

Cardiac surgery

Left atrial volume predicts the risk of atrial fibrillation after cardiac surgery, 779

Cardiac venous system

Non-invasive visualization of the cardiac venous system in coronary artery disease patients using 64-slice computed tomography, 1832

Cardiodepressants

Activation of p38 mitogen-activated protein kinase contributes to the early cardiodepressant activity of tumor necrosis factor, 545

Cardiology

China's role in international cardiology (letter), 224

Physician judgment in cardiology (editorial), 954

Cardiomyocytes

Activation of apoptotic caspase cascade during the transition to pressure overload-induced heart failure, 1451

Time-dependent cardiac chimerism in gender-mismatched heart transplantation patients, 843

Cardiomyopathy

See also Dilated cardiomyopathy; Hypertrophic cardiomyopathy; Ischemic cardiomyopathy

Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688

Diastolic dysfunction and diabetic cardiomyopathy, 1548

Effects of statin therapy on arrhythmic events and survival in patients with nonischemic dilated cardiomyopathy, 1228

Genetic bases of cardiomyopathies, A79

Microarrays coming of age in cardiovascular medicine (editorial), 1618

Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438

Noninvasive cardiac imaging in patients with hypertrophic cardiomyopathy, 2410

Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106

Penetrance of mutations in plakophilin-2 among families with arrhythmogenic right ventricular dysplasia/cardiomyopathy, 1416

Percutaneous intracoronary cellular cardiomyoplasty for non-ischemic cardiomyopathy: clinical and histopathologic results, 2350

Phospholamban R14 deletion results in late-onset, mild, hereditary dilated cardiomyopathy, 1396

Protective effects of carvedilol against anthracycline-induced cardiomyopathy, 2258

Cardiomyoplasty

Percutaneous intracoronary cellular cardiomyoplasty for non-ischemic cardiomyopathy: clinical and histopathologic results, 2350

Cardiovascular disease

Circulating endothelial cells in cardiovascular disease, 1538

Efficacy and safety in clinical trials in cardiovascular disease, 430

Gene expression analysis of cardiovascular diseases, 227

Homocysteine hypothesis for atherothrombotic cardiovascular disease, 914

Influenza vaccination as secondary prevention for cardiovascular disease, 1498

Peroxisome proliferator-activated receptors at the crossroads of obesity, diabetes, and cardiovascular disease, A24

Cardiovascular imaging

See also Computed tomography; Magnetic resonance imaging; Positron emission tomography

Achieving quality in cardiovascular imaging, 2141

Cardiovascular imaging in the management of atrial fibrillation, 2077

Improving imaging: our professional imperative, 2152

Left ventricular structure and function: basic science for cardiac imaging, 1988

Noncardiac findings in cardiac imaging with multidetector computed tomography, 402

Noninvasive cardiac imaging in patients with hypertrophic cardiomyopathy, 2410

President's page: the rapid emergence of multi-modality cardiovascular imaging, 217

Proposal for an advanced cardiovascular imaging training track, 1299

Year in cardiac imaging, 2324

Cardiovascular magnetic resonance

See also Magnetic resonance imaging

Cardiac magnetic resonance imaging and transesophageal echocardiography in patients with transcatheter closure of patent foramen ovale, 322

- Cardiovascular magnetic resonance, fibrosis, and prognosis in dilated cardiomyopathy, 1977
- Cardiovascular magnetic resonance in arrhythmogenic right ventricular cardiomyopathy revisited: comparison with task force criteria and genotype, 2132
- Meeting highlights of the 9th Annual Scientific Session of the Society for Cardiovascular Magnetic Resonance, 187
- President's page: the rapid emergence of multi-modality cardiovascular imaging, 217
- Cardioversion**
- American College of Cardiology/American Heart Association 2006 update of the clinical competence statement on invasive electrophysiology studies, catheter ablation, and cardioversion, 1503
- Verapamil versus digoxin and acute versus routine serial cardioversion for the improvement of rhythm control for persistent atrial fibrillation, 1001
- Carotid artery**
- Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization, 236
- Carotid plaque**
- In vivo ¹⁸F-fluorodeoxyglucose positron emission tomography imaging provides a noninvasive measure of carotid plaque inflammation in patients, 1818
- Carvedilol**
- Protective effects of carvedilol against anthracycline-induced cardiomyopathy, 2258
- Caspases**
- Activation of apoptotic caspase cascade during the transition to pressure overload-induced heart failure, 1451
- Catheter ablation**
- See also* Ablation
- American College of Cardiology/American Heart Association 2006 update of the clinical competence statement on invasive electrophysiology studies, catheter ablation, and cardioversion, 1503
- Autonomic innervation and segmental muscular disconnections at the human pulmonary vein-atrial junction, 132
- Effects of two different catheter ablation techniques on spectral characteristics of atrial fibrillation, 340
- Pulmonary vein total occlusion following catheter ablation in atrial fibrillation: clinical implications after long term follow up, 2493
- Cell transplantation**
- Potential hazards and technical considerations associated with myocardial cell transplantation protocols for ischemic myocardial syndrome, 1519
- Children**
- See also* Pediatrics
- Improvement of early vascular changes and cardiovascular risk factors in obese children after a six-month exercise program, 1865
- Presentation and prognosis of complete atrioventricular block in childhood, according to maternal antibody status, 1682
- China**
- China's role in international cardiology (letter), 224
- Cholesterol**
- Cholesterol and glucose metabolism and recurrent cardiovascular events among the elderly, 708
- Cholesteryl ester transfer protein inhibitors**
- Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in individuals with below-average high-density lipoprotein cholesterol levels, 1774
- Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in individuals with below-average high-density lipoprotein cholesterol levels on a background of atorvastatin, 1782
- Chromosome 10q25-26**
- Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106
- Chronic kidney disease**
- Cardiovascular risk among adults with chronic kidney disease, with or without prior myocardial infarction, 1183
- Chronotropic incompetence**
- Chronotropic incompetence in heart failure (letter), 595
- Cineventriculography**
- Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034
- Circulating angiogenic cells**
- Number of endothelial progenitor cell colonies in the blood is increased in patients with angiographically significant coronary artery disease, 1579
- Circulating endothelial cells**
- Circulating endothelial cells in cardiovascular disease, 1538
- Circumferential pulmonary vein ablation**
- Effects of two different catheter ablation techniques on spectral characteristics of atrial fibrillation, 340
- Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340
- Claudication**
- Novel phosphodiesterase inhibitor NM-702 improves claudication-limited exercise performance in patients with peripheral arterial disease, 2538
- Clinical practice guidelines**
- Clinical guidelines and practice, 1129
- Commentary on clinical guidelines and practice, 1136
- Clinical trials**
- Comparison of zotarolimus-eluting stents and sirolimus-eluting stents in patients with native coronary artery disease: a randomized controlled trial, 2440
- Desperately seeking a randomized clinical trial of resynchronization therapy for patients with heart failure and atrial fibrillation (editorial), 744
- Efficacy and safety in clinical trials in cardiovascular disease, 430
- Favorable effects of inhaled treprostinil in severe pulmonary hypertension, 1672
- Impact of blockade of histamine H₂ receptors on chronic heart failure revealed by retrospective and prospective randomized studies, 1378
- Keeping apples and oranges separate: reassessing clinical trials that use composite end points as their primary outcome (letter), 850
- Physician judgment in cardiology (editorial), 954
- Randomized clinical trial of trimetazidine, a partial free fatty acid oxidation inhibitor, in patients with heart failure, 992
- Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340
- Clopidogrel**
- Acute clopidogrel use and outcomes in patients with non-ST-segment elevation acute coronary syndromes undergoing coronary artery bypass surgery, 281
- Benefit of a 600-mg loading dose of clopidogrel on platelet reactivity and clinical outcomes in patients with non-ST-segment elevation acute coronary syndrome undergoing coronary stenting, 1337
- Cyclooxygenase-2 inhibitors enhance shear stress-induced platelet aggregation, 817
- Effect of clopidogrel with and without eptifibatid on tumor necrosis factor-alpha and C-reactive protein release after elective stenting: results from the CLEAR PLATELETS-1b study, 2186
- Impact of the degree of peri-interventional platelet inhibition after loading with clopidogrel on early clinical outcome of elective coronary stent placement, 1742
- Late clinical events after clopidogrel discontinuation may limit the benefit of drug-eluting stents: an observational study of drug-eluting vs. bare-metal stents, 2583
- Late ischemic events after clopidogrel cessation following drug eluting stenting: should we be worried? (editorial), 2591
- Randomized comparison of high clopidogrel loading doses in patients with non-ST-segment elevation acute coronary syndromes, 931
- Role of clopidogrel in early and sustained arterial patency after fibrinolysis for ST-segment elevation myocardial infarction, 37
- Cocaine**
- Effects of cocaine intoxication on the threshold for stun gun induction of ventricular fibrillation, 805
- Collagen**
- Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89
- Collateral circulation**
- Rapid decline of collateral circulation increases susceptibility to myocardial ischemia, 59
- Walking with Sir William (editorial), 66
- Complete atrioventricular block**
- Presentation and prognosis of complete atrioventricular block in childhood, according to maternal antibody status, 1682
- Compression bandages**
- Lower limb and abdominal compression bandages prevent progressive orthostatic hypotension in elderly persons, 1425
- Computed tomography**
- See also* Electron-beam computed tomography; Multidetector computed tomography; Multislice computed tomography; Single-photon emission computed tomography
- ACC/AHA/SCCT/SCMR/ASNC/NASCI/SCAI/SIR 2006 appropriateness criteria for cardiac computed tomography and cardiac magnetic resonance imaging, 1475
- Accuracy of noninvasive coronary angiography using computed tomography (letter), 219

- Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034
- Multidetector computed tomography myocardial perfusion imaging during adenosine stress, 153
- Noncardiac abnormalities in diagnostic cardiac computed tomography (editorial), 407
- Noncardiac findings in cardiac imaging with multidetector computed tomography, 402
- Noninvasive characterization of myocardial molecular interventions by integrated positron emission tomography and computed tomography, 2107
- Non-invasive detection of coronary artery disease in patients with left bundle branch block using 64-slice computed tomography, 1929
- Non-invasive visualization of the cardiac venous system in coronary artery disease patients using 64-slice computed tomography, 1832
- Prevalence of noncalcified coronary plaques by 64-slice computed tomography in patients with an intermediate risk for significant coronary artery disease, 312
- Prevalence of soft plaque detection with computed tomography (editorial), 319
- Year in cardiac imaging, 2324
- Computed tomography coronary angiography**
Computed tomography coronary angiography, 1919
Pre-operative computed tomography coronary angiography to detect significant coronary artery disease in patients referred for cardiac valve surgery, 1658
- Conduction block**
Mesenchymal stem cells repair conduction block (letter), 219
- Congenital heart disease**
See also specific condition
Blood viscosity and its relationship to iron deficiency, symptoms, and exercise capacity in adults with cyanotic congenital heart disease, 356
Estimates of life expectancy by adolescents and young adults with congenital heart disease, 349
Heart rate response during exercise predicts survival in adults with congenital heart disease, 1250
Interventional atrial septal defect closure using a totally bioresorbable occluder matrix, 161
- Contrast echocardiography**
Myocardial contrast echocardiography evolving as a clinically feasible technique for accurate, rapid, and safe assessment of myocardial perfusion: the evidence so far, 2168
- Contrast enhanced magnetic resonance imaging**
Contrast-enhanced cardiovascular magnetic resonance imaging of right ventricular infarction, 1969
Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media, 1961
- Contrast media**
Meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media, 692
- Contrast ultrasound**
Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization, 236
- Coronary angiography**
See also Angiography
Accuracy of noninvasive coronary angiography using computed tomography (letter), 219
Computed tomography coronary angiography, 1919
Diagnostic performance of multislice serial computed tomography of coronary arteries as compared with conventional invasive coronary angiography: a meta-analysis, 1896
Is Allen's test accurate for patients considered for transradial coronary angiography? (letter), 1287
Myocardial perfusion imaging and MDCT coronary angiography: appropriate for all patients with suspected coronary artery disease? (editorial), 2514
Pre-operative computed tomography coronary angiography to detect significant coronary artery disease in patients referred for cardiac valve surgery, 1658
Relationship between non-invasive coronary angiography with multi-slice computed tomography and myocardial perfusion imaging, 2507
Renal toxicity evaluation and comparison between Visipaque (iodixanol) and Hexabrix (ioxaglate) in patients with renal insufficiency undergoing coronary angiography, 924
- Coronary arteries**
Diagnostic performance of multislice serial computed tomography of coronary arteries as compared with conventional invasive coronary angiography: a meta-analysis, 1896
Effects of metformin on microvascular function and exercise tolerance in women with angina and normal coronary arteries, 956
In vivo analysis of the anatomical relationship of coronary sinus to mitral annulus and left circumflex coronary artery using cardiac multidetector computed tomography: implications for percutaneous coronary sinus mitral annuloplasty, 1938
- Coronary artery bypass surgery**
Acute clopidogrel use and outcomes in patients with non-ST-segment elevation acute coronary syndromes undergoing coronary artery bypass surgery, 281
- Coronary artery calcification**
Coronary artery calcification and myocardial perfusion (editorial), 1027
Coronary artery calcification and myocardial perfusion in asymptomatic adults, 1018
Relationship between coronary artery calcification detected by electron-beam computed tomography and abnormal stress echocardiography: association and prognostic implications, 2125
- Coronary artery disease**
Apolipoprotein E genotype and circulating interleukin-10 levels in patients with stable and unstable coronary artery disease, 2471
Clinical judgment and treatment options in stable multivessel coronary artery disease, 948
Comparison of zotarolimus-eluting stents and sirolimus-eluting stents in patients with native coronary artery disease: a randomized controlled trial, 2440
Cost analysis from two randomized trials of sirolimus-eluting stents versus paclitaxel-eluting stents in high-risk patients with coronary artery disease, 262
Decrease in circulating myeloid dendritic cell precursors in coronary artery disease, 70
- Detection of transplant coronary artery disease using multidetector computed tomography with adaptive multisegment reconstruction, 772
- Effects of high-dose atorvastatin on cerebrovascular events in patients with stable coronary disease in the TNT Study, 1793
- Increased level of pericardial insulin-like growth factor-1 in patients with left ventricular dysfunction and advanced heart failure, 1387
- In-stent restenosis and remote coronary lesion progression are coupled in cardiac transplant vasculopathy but not in native coronary artery disease, 453
- Lack of inertia force of late systolic aortic flow is a cause of left ventricular isolated diastolic dysfunction in patients with coronary artery disease, 983
- Meta-analysis of cardiovascular outcomes trials comparing intensive versus moderate statin therapy, 438
- Metabolic syndrome and early-onset coronary artery disease: is the whole greater than its parts?, 1800
- Myocardial glucose transport and utilization in patients with type 2 diabetes mellitus, left ventricular dysfunction and coronary artery disease, 2225
- Myocardial perfusion imaging and MDCT coronary angiography: appropriate for all patients with suspected coronary artery disease? (editorial), 2514
- Non-invasive detection of coronary artery disease in patients with left bundle branch block using 64-slice computed tomography, 1929
- Non-invasive visualization of the cardiac venous system in coronary artery disease patients using 64-slice computed tomography, 1832
- Number of endothelial progenitor cell colonies in the blood is increased in patients with angiographically significant coronary artery disease, 1579
- Optimal blood pressure levels in patients with coronary artery disease (editorial), 839
- Plasma adiponectin levels are associated with coronary lesion complexity in men with coronary artery disease, 1155
- Potential of myocardial perfusion scintigraphy for risk stratification of asymptomatic patients with type 2 diabetes, 754
- Pre-operative computed tomography coronary angiography to detect significant coronary artery disease in patients referred for cardiac valve surgery, 1658
- Prevalence of noncalcified coronary plaques by 64-slice computed tomography in patients with an intermediate risk for significant coronary artery disease, 312
- Prevalence of soft plaque detection with computed tomography (editorial), 319
- Prognostic importance of nonsignificant left main coronary artery disease in patients undergoing percutaneous coronary intervention, 276
- Relationship between non-invasive coronary angiography with multi-slice computed tomography and myocardial perfusion imaging, (JACC 11 Schujif, Wijns)
- Screening asymptomatic diabetic patients for coronary artery disease, 761
- Significance of vascular nitric oxide synthase pathways in coronary artery disease (editorial), 1175

- What is the prognostic value of myocardial perfusion imaging using rubidium-82 positron emission tomography, 1029
- Coronary artery stenosis**
Detection of coronary artery stenosis with whole-heart coronary magnetic resonance angiography, 1946
- Coronary flow reserve**
Impaired coronary microvascular functions in patients with Behcet disease (correspondence), 586
- Coronary heart disease**
Comparison of the 1997 and 2003 American Diabetes Association classification of impaired fasting glucose, 293
Genetic approaches to coronary heart disease, A10
Has the risk for coronary heart disease changed among U.S. adults?, 1177
Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973
Relative strength of C-reactive protein and lipid levels as determinants of ischemic stroke as compared to coronary heart disease in women, 2235
Serum concentrations of adiponectin and risk of type 2 diabetes mellitus and coronary heart disease in apparently healthy middle-aged men, 1369
- Coronary lesions**
A big fat wedding (editorial), 1163
In-stent restenosis and remote coronary lesion progression are coupled in cardiac transplant vasculopathy but not in native coronary artery disease, 453
Plasma adiponectin levels are associated with coronary lesion complexity in men with coronary artery disease, 1155
- Coronary microvascular dysfunction**
Impaired coronary microvascular functions in patients with Behcet disease (correspondence), 586
- Coronary occlusions**
Determinants of coronary steal in chronic total coronary occlusions, 51
- Coronary plaque**
Diagnostic accuracy of optical coherence tomography and integrated backscatter intravascular ultrasound images for tissue characterization of human coronary plaques, 81
Prevalence of noncalcified coronary plaques by 64-slice computed tomography in patients with an intermediate risk for significant coronary artery disease, 312
Prevalence of soft plaque detection with computed tomography (editorial), 319
- Coronary sinus**
In vivo analysis of the anatomical relationship of coronary sinus to mitral annulus and left circumflex coronary artery using cardiac multidetector computed tomography: implications for percutaneous coronary sinus mitral annuloplasty, 1938
- Coronary steal**
Determinants of coronary steal in chronic total coronary occlusions, 51
Walking with Sir William (editorial), 66
- Cox Maze procedure**
Atrial arrhythmias after surgical maze, 1405
- C-reactive protein**
Biomarkers in acute cardiac disease, 1
Effect of clopidogrel with and without eptifibatid on tumor necrosis factor-alpha and C-reactive protein release after elective stenting: results from the CLEAR PLATELETS-1b study, 2186
Inflammation and atherothrombosis: from population biology and bench research to clinical practice, A33
Relative strength of C-reactive protein and lipid levels as determinants of ischemic stroke as compared to coronary heart disease in women, 2235
- Critical care**
Pediatric cardiac critical care patients should be cared for by intensivists (letter), 221
- Cryptogenic stroke**
Patent foramen ovale and the risk of cryptogenic stroke (letter), 1913
- Cyanosis**
Blood viscosity and its relationship to iron deficiency, symptoms, and exercise capacity in adults with cyanotic congenital heart disease, 356
- Cyclooxygenase-1**
Aspirin resistance and atherothrombotic disease (letter), 846
- Cyclooxygenase-2 inhibitors**
Cyclooxygenase-2 inhibitors enhance shear stress-induced platelet aggregation, 817
- Cytochrome P450 2C9**
Identification of a cytochrome P450 2C9-derived endothelium-derived hyperpolarizing factor in essential hypertensive patients, 508
- Decompensated heart failure**
Decompensated heart failure and diuretic resistance (letter), 1059
Emerging therapies for the management of decompensated heart failure: from bench to bedside, 2397
- Delayed-enhancement magnetic resonance imaging**
Delayed enhancement magnetic resonance imaging predicts response to cardiac resynchronization therapy in patients with intraventricular dyssynchrony, 1953
Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media, 1961
Multislice computed tomography and magnetic resonance imaging for the assessment of reperfused acute myocardial infarction, 144
- Dendritic cells**
Decrease in circulating myeloid dendritic cell precursors in coronary artery disease, 70
- Depression**
Beta-blockers and depression following myocardial infarction: a multicenter prospective study, 2209
Course of depressive symptoms and medication adherence after acute coronary syndromes: an electronic medication monitoring study, 2218
Depression after myocardial infarction: unraveling the mystery of poor cardiovascular prognosis and role of beta-blocker therapy (editorial), 2215
Depression in heart failure, 1527
Metyrapone improves endothelial dysfunction in patients with treated depression, 170
Only incident depressive episodes following myocardial infarction are associated with new cardiovascular events, 2204
- Diabetes mellitus**
Characterization of plaque prolapse after drug-eluting stent implantation in diabetic patients, 1139
- Comparison of the 1997 and 2003 American Diabetes Association classification of impaired fasting glucose, 293
Insulin therapy is associated with platelet dysfunction in patients with type 2 diabetes mellitus on dual oral antiplatelet treatment, 298
Most asymptomatic diabetic patients will not benefit from coronary revascularization (letter), 1916
Myocardial glucose transport and utilization in patients with type 2 diabetes mellitus, left ventricular dysfunction and coronary artery disease, 2225
Peroxisome proliferator-activated receptors at the crossroads of obesity, diabetes, and cardiovascular disease, A24
Potential of myocardial perfusion scintigraphy for risk stratification of asymptomatic patients with type 2 diabetes, 754
Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396
Screening asymptomatic diabetic patients for coronary artery disease, 761
Serum concentrations of adiponectin and risk of type 2 diabetes mellitus and coronary heart disease in apparently healthy middle-aged men, 1369
Time to address the cardiac metabolic "triple whammy": ischemic heart failure in diabetics (editorial), 2232
- Diabetic cardiomyopathy**
Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688
Diastolic dysfunction and diabetic cardiomyopathy, 1548
- Diastolic dysfunction**
Diastolic dysfunction and diabetic cardiomyopathy, 1548
Lack of inertia force of late systolic aortic flow is a cause of left ventricular isolated diastolic dysfunction in patients with coronary artery disease, 983
- Diastolic function**
Emperor's new clothes are looses: lower body mass index, not calorie restriction, accounts for improved diastolic function (letter), 847
- Diastolic heart failure**
Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89
- Diet**
Acute effects of high-fat meals enriched with walnuts or olive oil on postprandial endothelial function, 1666
Dietary fish and n-3 fatty acid intake and cardiac electrocardiographic parameters in humans, 478
Effects of diet on inflammation, 677
Enhanced baroreceptor control of the cardiovascular system by polyunsaturated fatty acids in heart failure patients, 1600
Virgin olive oil and vegetables improve endothelial health (letter), 413
- Diffuse myocardial fibrosis**
Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106
- Digoxin**
Verapamil versus digoxin and acute versus routine serial cardioversion for the improvement of

- rhythm control for persistent atrial fibrillation, 1001
- Dilated cardiomyopathy**
See also Cardiomyopathy
Cardiovascular magnetic resonance, fibrosis, and prognosis in dilated cardiomyopathy, 1977
Effects of statin therapy on arrhythmic events and survival in patients with nonischemic dilated cardiomyopathy, 1228
Genetic bases of cardiomyopathies, A79
Identification of a common gene expression signature in dilated cardiomyopathy across independent microarray studies, 1610
Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438
Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106
Phospholamban R14 deletion results in late-onset, mild, hereditary dilated cardiomyopathy, 1396
- Directional atherectomy**
Long-term results after directional atherectomy of femoro-popliteal lesions, 1573
- Disease progression**
Four-year efficacy of cardiac resynchronization therapy on exercise tolerance and disease progression, 734
Using measures of disease progression to determine therapeutic effect, 434
- Diuretics**
Decompensated heart failure and diuretic resistance (letter), 1059
- Dobutamine stress imaging**
Risk stratification with electrocardiographic-gated dobutamine stress imaging (letter), 1472
- Dopamine**
Adverse effects of dopamine on systemic hemodynamic status and oxygen transport in neonates after the Norwood procedure, 1859
- Doppler echocardiography**
Diastolic dysfunction and diabetic cardiomyopathy, 1548
Doppler echocardiographic profile and indexes (letter), 419
- Drug-eluting stents**
See also Stent(s)
All drug-eluting stents are equal, but some drug-eluting stents are more equal than others (editorial), 1310
Allergic reactions following implantation of drug-eluting stents: a manifestation of Kounis syndrome? (letter), 592
Characterization of plaque prolapse after drug-eluting stent implantation in diabetic patients, 1139
Clinical outcomes for sirolimus-eluting stents and polymer-coated paclitaxel-eluting stents in daily practice, 1312
Common sense, dollars and cents, and drug-eluting stents (editorial), 268
Comparison of zotarolimus-eluting stents and sirolimus-eluting stents in patients with native coronary artery disease: a randomized controlled trial, 2440
Cost analysis from two randomized trials of sirolimus-eluting stents versus paclitaxel-eluting stents in high-risk patients with coronary artery disease, 262
Cost effectiveness of paclitaxel-eluting stents for patients undergoing percutaneous coronary revascularization, 253
Drug-eluting stent thrombosis (editorial), 203
Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366
Effectiveness and safety of sirolimus stent implantation for coronary in-stent restenosis, 270
Impact of routine angiographic follow-up on the clinical benefits of paclitaxel-eluting stents, 32
Intravascular ultrasound in the drug-eluting stent era, 421
Janus face of drug-eluting stents (editorial), 375
Late clinical events after clopidogrel discontinuation may limit the benefit of drug-eluting stents: an observational study of drug-eluting vs. bare-metal stents, 2583
Late ischemic events after clopidogrel cessation following drug eluting stenting: should we be worried? (editorial), 2591
Pathology of drug-eluting stents in humans, 193
Periprocedural and late consequences of overlapping Cypher sirolimus-eluting stents, 21
Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423
Rapid decline of collateral circulation increases susceptibility to myocardial ischemia, 59
Two-year follow-up of the quantitative angiographic and volumetric intravascular ultrasound analysis after non-polymeric paclitaxel-eluting stent implantation: late "catch-up" phenomenon from the ASPECT study, 2432
Vessel size and outcome after coronary drug-eluting stent placement, 1304
- Dyspnea**
Gender-specific risk stratification with B-type natriuretic peptide levels in patients with acute dyspnea: insights from the B-type natriuretic peptide for acute shortness of breath evaluation study, 1808
- Early afterdepolarizations**
Effects of beta-blocker therapy on ventricular repolarization documented by 24-h electrocardiography in patients with type 1 long-QT syndrome, 747
- Early growth response-1**
Protein kinase C β /early growth response-1 pathway: a key player in ischemia, atherosclerosis, and restenosis, A47
- Echocardiography**
Benefits of cardiac resynchronization therapy for heart failure patients with narrow QRS complexes and coexisting systolic asynchrony by echocardiography, 2251
Cardiac magnetic resonance imaging and transesophageal echocardiography in patients with transcatheter closure of patent foramen ovale, 322
Diastolic dysfunction and diabetic cardiomyopathy, 1548
Do you see what I see? (editorial), 129
Doppler echocardiographic profile and indexes (letter), 419
Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034
Meeting highlights of the 17th Annual Scientific Sessions of the American Society of Echocardiography: Baltimore, Maryland, June 3-7, 2006, 1880
Myocardial contrast echocardiography evolving as a clinically feasible technique for accurate, rapid, and safe assessment of myocardial perfusion: the evidence so far, 2168
Real-time intracardiac echocardiographic imaging of the posterior left atrial wall contiguous to anterior wall of the esophagus (letter), 594
Relationship between coronary artery calcification detected by electron-beam computed tomography and abnormal stress echocardiography: association and prognostic implications, 2125
Three-dimensional echocardiography: the benefits of the additional dimension, 2053
- Editorials**
After fibrinolysis, 1336
All drug-eluting stents are equal, but some drug-eluting stents are more equal than others, 1310
Anemia in heart failure: time to rethink its etiology and treatment?, 2490
Any need for preoperative cardiac testing in intermediate-risk patients with tight beta-adrenergic blockade?, 970
Arrhythmia risk prediction in patients with preserved left ventricular function: the final frontier?, 2275
Atrial fibrillation or sinus rhythm?, 731
A big fat wedding, 1163
Cardiac allograft vasculopathy in heart transplant patients, 462
Common sense, dollars and cents, and drug-eluting stents, 268
Coronary artery calcification and myocardial perfusion, 1027
Depression after myocardial infarction: unraveling the mystery of poor cardiovascular prognosis and role of beta-blocker therapy, 2215
Desperately seeking a randomized clinical trial of resynchronization therapy for patients with heart failure and atrial fibrillation, 744
Do you see what I see?, 129
Drug-eluting stent thrombosis, 203
Endothelial progenitors, 1588
Enhanced external counterpulsation, 1206, 1215
Erythropoietin: repair of the failing heart, 185
Extracellular matrix remodeling in hypertensive heart disease, 97
Histamine, mast cells, and heart failure, 1385
Janus face of drug-eluting stents, 375
Janus face of nicotinic angiogenesis, 2560
Just a spoonful of sugar, 2223
Late ischemic events after clopidogrel cessation following drug eluting stenting: should we be worried (editorial), 2591
Left atrial size and postoperative atrial fibrillation, 787
Metabolic approach in heart failure, 999
Microarrays coming of age in cardiovascular medicine, 1618
Moving preconditioning from bench to bedside, 215
Myocardial perfusion imaging and MDCT coronary angiography: appropriate for all patients with suspected coronary artery disease (editorial), 2514
Myocardial regeneration by stem cells, 1722
Natriuretic peptides and cardiac hypertrophy, 506
Noncardiac abnormalities in diagnostic cardiac computed tomography, 407

- Non-invasive risk stratification post MI: new evidence, new questions, 2468
- Novel—and “Neu”—therapeutic possibilities for heart failure, 1448
- Open letter to reviewers (or to anyone whose solicited recommendation has not been followed), 409
- Optimal blood pressure levels in patients with coronary artery disease, 839
- Oxidized or native low-density lipoprotein cholesterol, 980
- p38 mitogen-activated protein kinase, 556
- Philanthropy and medicine, 1725
- Physician judgment in cardiology, 954
- Polyunsaturated fatty acids and the post-infarct patient, 1607
- Prevalence of soft plaque detection with computed tomography, 319
- QT interval duration remains a major risk factor in long QT syndrome patients, 1053
- Ranolazine: augmenting the antianginal armamentarium, 576
- S100 proteins in the pathogenesis of Kawasaki disease, 1265
- Selection of permanent ventricular pacing site, 1649
- Separation and renewal, 841
- Significance of vascular nitric oxide synthase pathways in coronary artery disease, 1175
- Time to address the cardiac metabolic “triple whammy”: ischemic heart failure in diabetics, 2232
- Walking with Sir William, 66
- Wilbur is back, 2596
- Wither the cardiac physical examination?, 2156
- Ejection fraction**
Ventricular pacing lead location alters systemic hemodynamics and left ventricular function in patients with and without reduced ejection fraction, 1634
- Elderly**
See also Older adults
Cholesterol and glucose metabolism and recurrent cardiovascular events among the elderly, 708
Lower limb and abdominal compression bandages prevent progressive orthostatic hypotension in elderly persons, 1425
- Electrocardiographic-gated dobutamine stress imaging**
Risk stratification with electrocardiographic-gated dobutamine stress imaging (letter), 1472
- Electrocardiography**
Corrected QT variability in serial electrocardiograms in long QT syndrome, 1047
Dietary fish and n-3 fatty acid intake and cardiac electrocardiographic parameters in humans, 478
Effects of beta-blocker therapy on ventricular repolarization documented by 24-h electrocardiography in patients with type 1 long-QT syndrome, 747
Real-time detection and alerting for acute ST elevation myocardial ischemia using an implantable high fidelity, ECG monitoring system with long-range telemetry in an ambulatory porcine model, 2306
- Electrogram-guided ablation**
Effects of two different catheter ablation techniques on spectral characteristics of atrial fibrillation, 340
- Electron-beam computed tomography**
Relationship between coronary artery calcification detected by electron-beam computed tomography and abnormal stress echocardiography: association and prognostic implications, 2125
- Electrophysiology**
ACC/AHA/HRS 2006 key data elements and definitions for electrophysiological studies and procedures, 2360
American College of Cardiology/American Heart Association 2006 update of the clinical competence statement on invasive electrophysiology studies, catheter ablation, and cardioversion, 1503
Cardiac electrophysiological consequences of neuromuscular incapacitating device discharges, 798
Single-beat noninvasive imaging of cardiac electrophysiology of ventricular pre-excitation, 2045
- Endocardium**
Substrate mapping to detect abnormal atrial endocardium with slow conduction in patients with atypical right atrial flutter, 492
- Endothelial cells**
Circulating endothelial cells in cardiovascular disease, 1538
Magnetically targeted endothelial cell localization in stented vessels, 1839
- Endothelial dysfunction**
Metyrapone improves endothelial dysfunction in patients with treated depression, 170
- Endothelial function**
Acute effects of high-fat meals enriched with walnuts or olive oil on postprandial endothelial function, 1666
Are familial Mediterranean fever (FMF) patients at increased risk for atherosclerosis?, 2351
Consumption of saturated fat impairs the anti-inflammatory properties of high-density lipoproteins and endothelial function, 715
Non-invasive assessment of endothelial function: which technique?, 1846
- Endothelial nitric oxide synthase**
Significance of vascular nitric oxide synthase pathways in coronary artery disease (editorial), 1175
T-⁷⁸⁶C endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients, 1166
- Endothelial progenitor cells**
Endothelial progenitor cells participate in nicotine-mediated angiogenesis, 2252
Endothelial progenitors (editorial), 1588
Number of endothelial progenitor cell colonies in the blood is increased in patients with angiographically significant coronary artery disease, 1579
- Endothelium**
Effect of exertional hypertension evoked by weight lifting on vascular endothelial function (correspondence), 588
Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366
Virgin olive oil and vegetables improve endothelial health (letter), 413
- Endothelium-derived hyperpolarizing factor**
Identification of a cytochrome P450 2C9-derived endothelium-derived hyperpolarizing factor in essential hypertensive patients, 508
- Enhanced external counterpulsation**
Enhanced external counterpulsation (editorial), 1206, 1215
- Enhanced external counterpulsation improves exercise tolerance in patients with chronic heart failure, 1198
- Enhanced external counterpulsation treatment improves arterial wall properties and wave reflection characteristics in patients with refractory angina, 1208
- Enoxaparin**
Subgroup analysis of the impact of prerandomization antithrombin therapy on outcomes in the SYNERGY trial, 1346
- Epidemiology**
Year in epidemiology, health services research, and outcomes research, 1886
- Eptifibatid**
Effect of clopidogrel with and without eptifibatid on tumor necrosis factor-alpha and C-reactive protein release after elective stenting: results from the CLEAR PLATELETS-1b study, 2186
- ErbB**
Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438
- ErbB2**
Novel—and “Neu”—therapeutic possibilities for heart failure (editorial), 1448
- Erectile dysfunction**
Erectile dysfunction in heart failure patients, 1111
- Erythropoietin**
Erythropoietin: repair of the failing heart (editorial), 185
Erythropoietin enhances neovascularization of ischemic myocardium and improves left ventricular dysfunction after myocardial infarction in dogs, 176
Intravenous iron alone for the treatment of anemia in patients with chronic heart failure, 1225
Protective effects of erythropoietin in cardiac ischemia: from bench to bedside, 2161
- E-selectin**
Protection from procedural myocardial injury by atorvastatin is associated with lower levels of adhesion molecules after percutaneous coronary intervention, 1560
- Esophagus**
Real-time intracardiac echocardiographic imaging of the posterior left atrial wall contiguous to anterior wall of the esophagus (letter), 594
- Essential hypertension**
See also Hypertension
Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499
Identification of a cytochrome P450 2C9-derived endothelium-derived hyperpolarizing factor in essential hypertensive patients, 508
- Ethnicity**
Effect of novel cardiovascular risk factors on the ethnic-specific odds for peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA), 1190
Traditional cardiovascular risk factors for in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging: the Multi-Ethnic Study of Atherosclerosis, 2285
- EUK-8**
EUK-8, a superoxide dismutase and catalase mimetic, reduces cardiac oxidative stress and ameliorates pressure overload-induced heart failure in the Harlequin mouse mutant, 824

Exercise

- Angiotensin-converting enzyme genotype predicts cardiac and autonomic responses to prolonged exercise, 523
- Beta-blockers and exercise (letter), 1284
- Effect of exertional hypertension evoked by weight lifting on vascular endothelial function (correspondence), 588
- Functional and structural vascular remodeling in elite rowers assessed by cardiovascular magnetic resonance, 790
- Heart rate response during exercise predicts survival in adults with congenital heart disease, 1250

Exercise capacity

- Blood viscosity and its relationship to iron deficiency, symptoms, and exercise capacity in adults with cyanotic congenital heart disease, 356
- How does caffeine increase exercise capacity but decrease myocardial flow reserve? (letter), 2355

Exercise testing

- Ischemic modified albumin in relation to exercise stress testing, 2482
- Novel phosphodiesterase inhibitor NM-702 improves claudication-limited exercise performance in patients with peripheral arterial disease, 2538
- Quality of life and exercise performance in patients in sinus rhythm versus persistent atrial fibrillation, 721
- Short-term change in distance walked in 6 min is an indicator of outcome in patients with chronic heart failure in clinical practice, 99

Exercise tolerance

- Effects of metformin on microvascular function and exercise tolerance in women with angina and normal coronary arteries, 956
- Enhanced external counterpulsation improves exercise tolerance in patients with chronic heart failure, 1198
- Four-year efficacy of cardiac resynchronization therapy on exercise tolerance and disease progression, 734

Exercise training

- Improvement of early vascular changes and cardiovascular risk factors in obese children after a six-month exercise program, 1865
- Other face of the medal: the risks of exercise training (letter), 220

Exertional hypertension

- Effect of exertional hypertension evoked by weight lifting on vascular endothelial function (correspondence), 588

Extracellular matrix

- Extracellular matrix remodeling in hypertensive heart disease (editorial), 97

Familial Mediterranean fever

- Are familial Mediterranean fever (FMF) patients at increased risk for atherosclerosis?, 2351

Famotidine

- Impact of blockade of histamine H₂ receptors on chronic heart failure revealed by retrospective and prospective randomized studies, 1378

Fasting glucose

- Comparison of the 1997 and 2003 American Diabetes Association classification of impaired fasting glucose, 293

Fatty acids

- Consumption of saturated fat impairs the anti-inflammatory properties of high-density lipoproteins and endothelial function, 715

- Dietary fish and n-3 fatty acid intake and cardiac electrocardiographic parameters in humans, 478

- Effects of diet on inflammation, 677
- Enhanced baroreceptor control of the cardiovascular system by polyunsaturated fatty acids in heart failure patients, 1600

- Polyunsaturated fatty acids and the post-infarct patient (editorial), 1607

Femoro-popliteal lesions

- Long-term results after directional atherectomy of femoro-popliteal lesions, 1573

Fenofibrate

- Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396

Fibrates

- Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396

Fibrinogen

- Relation between lipoprotein(a) and fibrinogen and serial intravascular ultrasound plaque progression in left main coronary arteries, 446

Fibrinolysis

- After fibrinolysis (editorial), 1336
- Percutaneous coronary intervention after fibrinolysis, 1326
- Role of clopidogrel in early and sustained arterial patency after fibrinolysis for ST-segment elevation myocardial infarction, 37

Fibrosis

- Cardiovascular magnetic resonance, fibrosis, and prognosis in dilated cardiomyopathy, 1977

Fish

- Dietary fish and n-3 fatty acid intake and cardiac electrocardiographic parameters in humans, 478

Flow-mediated vasodilation

- Effect of exertional hypertension evoked by weight lifting on vascular endothelial function (correspondence), 588
- Non-invasive assessment of endothelial function: which technique?, 1846

Fluorodeoxyglucose positron emission tomography

- In vivo ¹⁸F-fluorodeoxyglucose positron emission tomography imaging provides a noninvasive measure of carotid plaque inflammation in patients, 1818

- Simvastatin attenuates plaque inflammation: evaluation by fluorodeoxyglucose positron emission tomography, 1825

Fluoroscopic X-ray exposure

- Variability in fluoroscopic X-ray exposure in contemporary cardiac catheterization laboratories, 1361

Focal atrial tachycardia

- Focal atrial tachycardia originating from the non-coronary aortic sinus, 122

- P-wave morphology in focal atrial tachycardia, 1010

Fontan operation

- Early and late results of the modified Fontan operation for heterotaxy syndrome: 30 years of experience in 142 patients, 2301

Free fatty acids

- Randomized clinical trial of trimetazidine, a partial free fatty acid oxidation inhibitor, in patients with heart failure, 992

Gadolinium

- See also Contrast agents
- Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media, 1961

Galectin-3

- Utility of amino-terminal pro-brain natriuretic peptide, galectin-3, and apelin for the evaluation of patients with acute heart failure, 1217

Gap junctions

- Effects of carbenoxolone on human myocardial conduction, 1242

Gender

See also Men; Women

- Gender-specific risk stratification with B-type natriuretic peptide levels in patients with acute dyspnea: insights from the B-type natriuretic peptide for acute shortness of breath evaluation study, 1808

- Outcomes by gender in the African-American Heart Failure Trial, 2263

Gene expression analysis

- Gene expression analysis of cardiovascular diseases, 227

Gene expression signature

- Identification of a common gene expression signature in dilated cardiomyopathy across independent microarray studies, 1610

Gene therapy

- Bone marrow transplantation shows superior atheroprotective effects of gene therapy with apolipoprotein A-I Milano compared with wild-type apolipoprotein A-I in hyperlipidemic mice, 1459

Genetics

- Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106

Genomics

- Redefining heart failure, 1289

Glucose

- Cholesterol and glucose metabolism and recurrent cardiovascular events among the elderly, 708
- Comparison of the 1997 and 2003 American Diabetes Association classification of impaired fasting glucose, 293
- Myocardial glucose transport and utilization in patients with type 2 diabetes mellitus, left ventricular dysfunction and coronary artery disease, 2225

Glycoprotein IIb/IIIa inhibitors

- Subgroup analysis of the impact of prerandomization antithrombin therapy on outcomes in the SYNERGY trial, 1346

Grafts

- Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423

Granulocyte-colony stimulating factor

- Autologous bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor after subacute ST-segment elevation myocardial infarction undergoing late revascularization, 1712

- Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366

- Janus face of drug-eluting stents (editorial), 375

Great cardiac vein

- Ablation of left ventricular epicardial outflow tract tachycardia from the distal great cardiac vein, 1813

Growth factors

Atorvastatin increases plasma soluble Fms-like tyrosine kinase-1 and decreases vascular endothelial growth factor and placental growth factor in association with improvement of ventricular function in acute myocardial infarction, 43

Health services research

Year in epidemiology, health services research, and outcomes research, 1886

Heart failure

Activation of apoptotic caspase cascade during the transition to pressure overload-induced heart failure, 1451

Aldosterone synthase promoter polymorphism predicts outcome in African Americans with heart failure, 1277

Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89

Amino-terminal pro-brain natriuretic peptide, renal function, and outcomes in acute heart failure, 1621

Amino-terminal pro-brain natriuretic peptide to diagnose congestive heart failure in patients with impaired kidney function (letter), 1060

Anemia in heart failure: time to rethink its etiology and treatment? (editorial), 2490

Association of alcohol consumption and incident heart failure, 305

Benefit of combined resynchronization and defibrillator therapy in heart failure patients with and without ventricular arrhythmias, 464

Benefits of cardiac resynchronization therapy for heart failure patients with narrow QRS complexes and coexisting systolic asynchrony by echocardiography, 2251

Chronotropic incompetence in heart failure (letter), 595

Decompensated heart failure and diuretic resistance (letter), 1059

Depression in heart failure, 1527

Desperately seeking a randomized clinical trial of resynchronization therapy for patients with heart failure and atrial fibrillation (editorial), 744

Diagnosis and management of chronic heart failure (letter), 223

Emerging therapies for the management of decompensated heart failure: from bench to bedside, 2397

Enhanced baroreceptor control of the cardiovascular system by polyunsaturated fatty acids in heart failure patients, 1600

Enhanced external counterpulsation improves exercise tolerance in patients with chronic heart failure, 1198

Erectile dysfunction in heart failure patients, 1111

Etiology of anemia in advanced heart failure, 2485

EUK-8, a superoxide dismutase and catalase mimetic, reduces cardiac oxidative stress and ameliorates pressure overload-induced heart failure in the Harlequin mouse mutant, 824

Extracellular matrix remodeling in hypertensive heart disease (editorial), 97

Histamine, mast cells, and heart failure (editorial), 1385

Impact of blockade of histamine H₂ receptors on chronic heart failure revealed by retrospective and prospective randomized studies, 1378

Increased level of pericardial insulin-like growth factor-1 in patients with left ventricular dysfunction and advanced heart failure, 1387

Intravenous iron alone for the treatment of anemia in patients with chronic heart failure, 1225

Metabolic approach in heart failure (editorial), 999

Molecular mechanisms in heart failure: focus on cardiac hypertrophy, inflammation, angiogenesis, and apoptosis, A56

Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438

Noninvasive home telemonitoring: the Trans-European Network-Home-Care Management System (letter), 850

Novel—and “Neu”—therapeutic possibilities for heart failure (editorial), 1448

Outcomes by gender in the African-American Heart Failure Trial, 2263

Prescribing BiDil, 12

Randomized clinical trial of trimetazidine, a partial free fatty acid oxidation inhibitor, in patients with heart failure, 992

Redefining heart failure, 1289

Reversal of calcium cycling defects in advanced heart failure: toward molecular therapy, A15

Short-term change in distance walked in 6 min is an indicator of outcome in patients with chronic heart failure in clinical practice, 99

Time to address the cardiac metabolic “triple whammy”: ischemic heart failure in diabetics, 2232

Time-dependent cardiac chimerism in gender-mismatched heart transplantation patients, 843

Utility of amino-terminal pro-brain natriuretic peptide, galectin-3, and apelin for the evaluation of patients with acute heart failure, 1217

Year in heart failure, 2574

Heart rate

Heart rate response during exercise predicts survival in adults with congenital heart disease, 1250

Should major vascular surgery be delayed because of preoperative cardiac testing in intermediate-risk patients receiving beta-blocker therapy with tight heart rate control?, 964

Heart transplantation

Cardiac allograft vasculopathy in heart transplant patients (editorial), 462

Detection of transplant coronary artery disease using multidetector computed tomography with adaptive multisegment reconstruction, 772

Hemodynamics

Adverse effects of dopamine on systemic hemodynamic status and oxygen transport in neonates after the Norwood procedure, 1859

Ventricular pacing lead location alters systemic hemodynamics and left ventricular function in patients with and without reduced ejection fraction, 1634

Heterotaxy syndrome

Early and late results of the modified Fontan operation for heterotaxy syndrome: 30 years of experience in 142 patients, 2301

High-density lipoprotein

Consumption of saturated fat impairs the anti-inflammatory properties of high-density lipoproteins and endothelial function, 715

Serum concentrations of adiponectin and risk of type 2 diabetes mellitus and coronary heart disease in apparently healthy middle-aged men, 1369

High-density lipoprotein cholesterol

Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in

individuals with below-average high-density lipoprotein cholesterol levels, 1774

Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in individuals with below-average high-density lipoprotein cholesterol levels on a background of atorvastatin, 1782

Histamine

Histamine, mast cells, and heart failure (editorial), 1385

Impact of blockade of histamine H₂ receptors on chronic heart failure revealed by retrospective and prospective randomized studies, 1378

HMG-CoA reductase inhibitors

See Statins

Homocysteine

Homocysteine hypothesis for atherothrombotic cardiovascular disease, 914

Hospitals

Model for troponin I as a quantitative predictor of in-hospital mortality, 1755

Hypercholesterolemia

Olive oil and ischemic reactive hyperemia in hypercholesterolemic patients (letter), 414

Hyperlipidemia

Bone marrow transplantation shows superior atheroprotective effects of gene therapy with apolipoprotein A-I Milano compared with wild-type apolipoprotein A-I in hyperlipidemic mice, 1459

Hypertension

See also Pulmonary hypertension

Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89

Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499

Effect of exertional hypertension evoked by weight lifting on vascular endothelial function (correspondence), 588

Effects of normal, pre-hypertensive, and hypertensive blood pressure levels on progression of coronary atherosclerosis, 833

Extracellular matrix remodeling in hypertensive heart disease (editorial), 97

Identification of a cytochrome P450 2C9-derived endothelium-derived hyperpolarizing factor in essential hypertensive patients, 508

Implications and controversies of recent hypertension trials (letter), 848

Prospective study of the prevalence of primary aldosteronism in 1125 hypertensive patients, 2293

Year in hypertension, 1698

Hypertrophic cardiomyopathy

See also Cardiomyopathy

Genetic bases of cardiomyopathies, A79

Non-invasive cardiac imaging in patients with hypertrophic cardiomyopathy, 2410

Structural abnormalities of the inferoseptal left ventricular wall detected by cardiovascular magnetic resonance imaging in carriers of hypertrophic cardiomyopathy mutations, 2517

Hyperviscosity

Blood viscosity and its relationship to iron deficiency, symptoms, and exercise capacity in adults with cyanotic congenital heart disease, 356

Imaging

See Cardiovascular imaging; Computed tomography; Magnetic resonance imaging;

- Optical coherence tomography; Single-photon emission computed tomography
- Impaired fasting glucose**
Comparison of the 1997 and 2003 American Diabetes Association classification of impaired fasting glucose, 293
- Implantable cardioverter-defibrillators**
Benefit of combined resynchronization and defibrillator therapy in heart failure patients with and without ventricular arrhythmias, 464
Comparison of empiric to physician-tailored programming of implantable cardioverter-defibrillators, 330
Cost advantage of different cardioverter-defibrillator devices (letter), 418
Cost-effectiveness of a microvolt T-wave alternans screening strategy for implantable cardioverter-defibrillator placement in the MADIT-II-eligible population, 112
Rising rates of cardiac rhythm management device infections in the United States: 1996 through 2003 (correspondence), 590
- Inertia force**
Lack of inertia force of late systolic aortic flow is a cause of left ventricular isolated diastolic dysfunction in patients with coronary artery disease, 983
- Infants**
Atrial flutter in infants, 1040
- Infarct**
See also Myocardial infarction
Rheolytic thrombectomy with percutaneous coronary intervention for infarct size reduction in acute myocardial infarction, 244
Role of PDGF signaling in healing myocardial infarcts, 2315
- Infections**
Rising rates of cardiac rhythm management device infections in the United States: 1996 through 2003 (correspondence), 590
- Inflammation**
Effects of diet on inflammation, 677
In vivo ¹⁸F-fluorodeoxyglucose positron emission tomography imaging provides a noninvasive measure of carotid plaque inflammation in patients, 1818
Increased levels of neutrophil-activating peptide-2 in acute coronary syndromes, 1591
Inflammation and atherothrombosis: from population biology and bench research to clinical practice, A33
Molecular mechanisms in heart failure: focus on cardiac hypertrophy, inflammation, angiogenesis, and apoptosis, A56
Simvastatin attenuates plaque inflammation: evaluation by fluorodeoxyglucose positron emission tomography, 1825
- Inflammatory biomarkers**
Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396
- Influenza vaccination**
Influenza vaccination as secondary prevention for cardiovascular disease, 1498
- In-hospital mortality**
Model for troponin I as a quantitative predictor of in-hospital mortality, 1755
- In-stent restenosis**
Effectiveness and safety of sirolimus stent implantation for coronary in-stent restenosis, 270
In-stent restenosis and remote coronary lesion progression are coupled in cardiac transplant vasculopathy but not in native coronary artery disease, 453
- Insulin**
Insulin therapy is associated with platelet dysfunction in patients with type 2 diabetes mellitus on dual oral antiplatelet treatment, 298
- Insulin resistance**
Insulin resistance as a determinant of platelet activation in obese women, 2530
- Insulin-like growth factor-1**
Increased level of pericardial insulin-like growth factor-1 in patients with left ventricular dysfunction and advanced heart failure, 1387
- Integrated backscatter intravascular ultrasound**
Diagnostic accuracy of optical coherence tomography and integrated backscatter intravascular ultrasound images for tissue characterization of human coronary plaques, 81
- Intensive care unit**
Pediatric cardiac critical care patients should be cared for by intensivists (letter), 221
- Intercellular adhesion molecule-1**
Protection from procedural myocardial injury by atorvastatin is associated with lower levels of adhesion molecules after percutaneous coronary intervention, 1560
- Interleukin-10**
Apolipoprotein E genotype and circulating interleukin-10 levels in patients with stable and unstable coronary artery disease, 2471
- International cardiology**
China's role in international cardiology (letter), 224
- Intima media thickness**
Are familial Mediterranean fever (FMF) patients at increased risk for atherosclerosis?, 2351
- Intimal hypoplasia**
Two-year follow-up of the quantitative angiographic and volumetric intravascular ultrasound analysis after non-polymeric paclitaxel-eluting stent implantation: late "catch-up" phenomenon from the ASPECT study, 2432
- Intravascular ultrasound**
See also Ultrasound
Diagnostic accuracy of optical coherence tomography and integrated backscatter intravascular ultrasound images for tissue characterization of human coronary plaques, 81
Intravascular ultrasound in the drug-eluting stent era, 421
Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423
Relation between lipoprotein(a) and fibrinogen and serial intravascular ultrasound plaque progression in left main coronary arteries, 446
Two-year follow-up of the quantitative angiographic and volumetric intravascular ultrasound analysis after non-polymeric paclitaxel-eluting stent implantation: late "catch-up" phenomenon from the ASPECT study, 2432
- Intraventricular dyssynchrony**
Delayed enhancement magnetic resonance imaging predicts response to cardiac resynchronization therapy in patients with intraventricular dyssynchrony, 1953
- Iodixanol**
Meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media, 692
Renal toxicity evaluation and comparison between Visipaque (iodixanol) and Hexabrix (ioxaglate) in patients with renal insufficiency undergoing coronary angiography, 924
- Ion channel genes**
Arrhythmia predisposition: between rare disease paradigms and common ion channel gene variants, A67
- Ioxaglate**
Renal toxicity evaluation and comparison between Visipaque (iodixanol) and Hexabrix (ioxaglate) in patients with renal insufficiency undergoing coronary angiography, 924
- Iron**
Intravenous iron alone for the treatment of anemia in patients with chronic heart failure, 1225
- Iron deficiency**
Blood viscosity and its relationship to iron deficiency, symptoms, and exercise capacity in adults with cyanotic congenital heart disease, 356
- Ischemic cardiomyopathy**
Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438
Potential hazards and technical considerations associated with myocardial cell transplantation protocols for ischemic myocardial syndrome, 1519
- Ischemic modified albumin**
Ischemic modified albumin in relation to exercise stress testing, 2482
- Ischemic preconditioning**
Caffeine prevents protection in two human models of ischemic preconditioning, 700
Moving preconditioning from bench to bedside (editorial), 215
- Iso-osmolar contrast medium**
Renal toxicity evaluation and comparison between Visipaque (iodixanol) and Hexabrix (ioxaglate) in patients with renal insufficiency undergoing coronary angiography, 924
- Isosorbide dinitrate/hydralazine**
Outcomes by gender in the African-American Heart Failure Trial, 2263
- Kawasaki disease**
Expression of myeloid-related protein-8 and -14 in patients with acute Kawasaki disease, 1257
S100 proteins in the pathogenesis of Kawasaki disease (editorial), 1265
- KCNQ1-A341V mutation**
Does pregnancy increase cardiac risk for LQT1 patients with the KCNQ1-A341V mutation?, 1410
- Kidneys**
Amino-terminal pro-brain natriuretic peptide, renal function, and outcomes in acute heart failure, 1621
Amino-terminal pro-brain natriuretic peptide to diagnose congestive heart failure in patients with impaired kidney function (letter), 1060
Cardiovascular risk among adults with chronic kidney disease, with or without prior myocardial infarction, 1183
Meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media, 692
- Kounis syndrome**
Allergic reactions following implantation of drug-eluting stents: a manifestation of Kounis syndrome? (letter), 592

Late stent thrombosis

Pathology of drug-eluting stents in humans, 193

Left atrial volume

Left atrial volume predicts the risk of atrial fibrillation after cardiac surgery, 779

Left atrial wall

Real-time intracardiac echocardiographic imaging of the posterior left atrial wall contiguous to anterior wall of the esophagus (letter), 594

Left atrium

Left atrial size and postoperative atrial fibrillation (editorial), 787

Validation of the noncontact mapping system in the left atrium during permanent atrial fibrillation and sinus rhythm, 485

Left bundle branch block

Non-invasive detection of coronary artery disease in patients with left bundle branch block using 64-slice computed tomography, 1929

Left circumflex coronary artery

In vivo analysis of the anatomical relationship of coronary sinus to mitral annulus and left circumflex coronary artery using cardiac multidetector computed tomography: implications for percutaneous coronary sinus mitral annuloplasty, 1938

Left main coronary arteries

Relation between lipoprotein(a) and fibrinogen and serial intravascular ultrasound plaque progression in left main coronary arteries, 446

Left main coronary artery disease

Prognostic importance of nonsignificant left main coronary artery disease in patients undergoing percutaneous coronary intervention, 276

Unprotected left main disease: stent or surgery? (letter), 1727

Left ventricle

Differentiation of subendocardial and transmural infarction using two-dimensional strain rate imaging to assess short-axis and long-axis myocardial function, 2026

Left ventricular structure and function: basic science for cardiac imaging, 1988

Left ventricular ballooning

Transient midventricular ballooning syndrome, 579

Left ventricular dysfunction

Angiotensin-converting enzyme genotype predicts cardiac and autonomic responses to prolonged exercise, 523

Erythropoietin enhances neovascularization of ischemic myocardium and improves left ventricular dysfunction after myocardial infarction in dogs, 176

Increased level of pericardial insulin-like growth factor-1 in patients with left ventricular dysfunction and advanced heart failure, 1387

"Indeterminate" microvolt T-wave alternans tests predict high risk of death or sustained ventricular arrhythmias in patients with left ventricular dysfunction, 1399

Myocardial glucose transport and utilization in patients with type 2 diabetes mellitus, left ventricular dysfunction and coronary artery disease, 2225

Left ventricular epicardial outflow tract tachycardia

Ablation of left ventricular epicardial outflow tract tachycardia from the distal great cardiac vein, 1813

Left ventricular function

Arrhythmia risk prediction in patients with preserved left ventricular function: the final frontier? (editorial), 2275

Assessment of left ventricular function by cardiac ultrasound, 2012

Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034

Myocardial strain and torsion quantified by cardiovascular magnetic resonance tissue tagging: studies in normal and impaired left ventricular function, 2002

Randomized clinical trial of trimetazidine, a partial free fatty acid oxidation inhibitor, in patients with heart failure, 992

Ventricular pacing lead location alters systemic hemodynamics and left ventricular function in patients with and without reduced ejection fraction, 1634

Left ventricular isolated diastolic dysfunction

Lack of inertia force of late systolic aortic flow is a cause of left ventricular isolated diastolic dysfunction in patients with coronary artery disease, 983

Left ventricular mass

Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499

Traditional cardiovascular risk factors for in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging: the Multi-Ethnic Study of Atherosclerosis, 2285

Left ventricular remodeling

Effects of selective matrix metalloproteinase inhibitor (PG-116800) to prevent ventricular remodeling after myocardial infarction, 15

Left ventricular systolic dysfunction

Atorvastatin in nonischemic left ventricular systolic dysfunction (letter), 1283

Left ventricular systolic dysfunction in rheumatoid disease (letter), 1727

Left ventricular wall

Structural abnormalities of the inferoseptal left ventricular wall detected by cardiovascular magnetic resonance imaging in carriers of hypertrophic cardiomyopathy mutations, 2517

Letters to the editor

ACCF/AHA scientific statement on syncope needs rethinking (letter), 2598

Accuracy of noninvasive coronary angiography using computed tomography, 219

Allergic reactions following implantation of drug-eluting stents: a manifestation of Kounis syndrome?, 592

Amino-terminal pro-brain natriuretic peptide to diagnose congestive heart failure in patients with impaired kidney function, 1060

Atorvastatin in nonischemic left ventricular systolic dysfunction, 1283

Beta-blockers and exercise, 1284

Biomarkers in acute cardiac disease (letter), 2358

Can technical limitations of strain rate imaging be overtaken by particular arrangements?, 1729

China's role in international cardiology, 224

Chronotropic incompetence in heart failure, 595

Coronary plaque burden and cardiovascular risk factors: single-point versus serial assessment, 1914

Cost advantage of different cardioverter-defibrillator devices, 418

Cost-effectiveness of cardiac resynchronization therapy, 1283

Decompensated heart failure and diuretic resistance, 1059

Degenerative valve disease (letter), 2601

Diagnosis and management of chronic heart failure, 223

Doppler echocardiographic profile and indexes, 419

Effect of door-to-balloon time on patient mortality (letter), 2600

Emperor's new clothes are looses: lower body mass index, not calorie restriction, accounts for improved diastolic function, 847

Examining the concept of preserved systolic function (letter), 2599

How does caffeine increase exercise capacity but decrease myocardial flow reserve? (letter), 2355

Hubris versus evidence, 415

Implications and controversies of recent hypertension trials, 848

Interaction among risk-time and benefit of primary angioplasty, 1062

Is Allen's test accurate for patients considered for transradial coronary angiography?, 1287

Keeping apples and oranges separate: reassessing clinical trials that use composite end points as their primary outcome, 850

Left ventricular systolic dysfunction in rheumatoid disease, 1727

Management of women with acute coronary syndromes (letter), 2356

Measuring effects of antiatherosclerotic therapies, 845

Mesenchymal stem cells repair conduction block, 219

Most asymptomatic diabetic patients will not benefit from coronary revascularization, 1916

Noninvasive home telemonitoring: the Trans-European Network-Home-Care Management System, 850

Olive oil and ischemic reactive hyperemia in hypercholesterolemic patients, 414

Other face of the medal: the risks of exercise training, 220

Patent foramen ovale and the risk of cryptogenic stroke, 1913

Pediatric cardiac critical care patients should be cared for by intensivists, 221

Percutaneous laser revascularization does not equal transmyocardial laser revascularization (letter), 2354

Physiologic timing for objective checking of instantaneous maximal aortic stenotic area (letter), 2353

Pleiotropic effects of statins and early benefit in the PROVE IT-TIMI-22 study, 852

Prolonged QTc interval and sudden cardiac death in older adults, 1473

Questions in cardiac resynchronization therapy: metabolic implications, 591

Real-time intracardiac echocardiographic imaging of the posterior left atrial wall contiguous to anterior wall of the esophagus, 594

Renal artery stenting following unsuccessful balloon angioplasty, 225

Risk stratification with electrocardiographic-gated dobutamine stress imaging, 1472

Role of septal to posterior wall motion delay in cardiac resynchronization therapy, 596

Spontaneous late closure of patent foramen ovale, 1913

Standard deviation of sequential five-minute R-R interval means (SDANN) is a prognostic marker, but not necessarily an autonomic marker, 1285

Testing regeneration of human myocardium without knowing the identity and the number

- of effective bone marrow cells transplanted: are the results meaningful?, 417
- Trials and tribulations of noninferiority: the ximelagatran experience, 1058
- Troponin trumps common sense (letter), 2357
- Unprotected left main disease: stent or surgery?, 1727
- Use of Allen's test and transradial catheterization, 1287
- Virgin olive oil and vegetables improve endothelial health, 413
- Life expectancy**
Estimates of life expectancy by adolescents and young adults with congenital heart disease, 349
- Lipids**
Relative strength of C-reactive protein and lipid levels as determinants of ischemic stroke as compared to coronary heart disease in women, 2235
- Lipoprotein(a)**
Relation between lipoprotein(a) and fibrinogen and serial intravascular ultrasound plaque progression in left main coronary arteries, 446
- Loading doses**
Randomized comparison of high clopidogrel loading doses in patients with non-ST-segment elevation acute coronary syndromes, 931
- Long QT syndrome**
Corrected QT variability in serial electrocardiograms in long QT syndrome, 1047
Does pregnancy increase cardiac risk for LQT1 patients with the KCNQ1-A341V mutation?, 1410
Effects of beta-blocker therapy on ventricular repolarization documented by 24-h electrocardiography in patients with type 1 long-QT syndrome, 747
QT interval duration remains a major risk factor in long QT syndrome patients (editorial), 1053
- Low-density lipoprotein**
Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973
Oxidized or native low-density lipoprotein cholesterol (editorial), 980
- Low-density lipoprotein-cholesterol**
Effects of high-dose atorvastatin on cerebrovascular events in patients with stable coronary disease in the TNT Study, 1793
- Lower limb compression bandages**
Lower limb and abdominal compression bandages prevent progressive orthostatic hypotension in elderly persons, 1425
- Low-osmolar contrast media**
Meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media, 692
Renal toxicity evaluation and comparison between Visipaque (iodixanol) and Hexabrix (ioxaglate) in patients with renal insufficiency undergoing coronary angiography, 924
- Magnetic resonance angiography**
See also Angiography
Detection of coronary artery stenosis with whole-heart coronary magnetic resonance angiography, 1946
- Magnetic resonance imaging**
See also Cardiovascular magnetic resonance
ACC/F/ACR/SCCT/SCMR/ASNC/NASCI/SCAI/SIR 2006 appropriateness criteria for cardiac computed tomography and cardiac magnetic resonance imaging, 1475
Cardiac troponin T at 96 hours after acute myocardial infarction correlates with infarct size and cardiac function, 2192
Contrast-enhanced cardiovascular magnetic resonance imaging of right ventricular infarction, 1969
Delayed enhancement magnetic resonance imaging predicts response to cardiac resynchronization therapy in patients with intraventricular dyssynchrony, 1953
Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media, 1961
Do you see what I see? (editorial), 129
Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034
Functional and structural vascular remodeling in elite rowers assessed by cardiovascular magnetic resonance, 790
Meeting highlights of the 9th Annual Scientific Session of the Society for Cardiovascular Magnetic Resonance, 187
MRI of arrhythmogenic right ventricular dysplasia: sensitivity, specificity and observer variability of fat detection versus functional analysis of the right ventricle, 2277
Multimodality noninvasive imaging demonstrates in vivo cardiac regeneration after mesenchymal stem cell therapy, 2116
Multislice computed tomography and magnetic resonance imaging for the assessment of reperfused acute myocardial infarction, 144
Myocardial scars more frequent than expected, 765
Myocardial strain and torsion quantified by cardiovascular magnetic resonance tissue tagging: studies in normal and impaired left ventricular function, 2002
Structural abnormalities of the inferoseptal left ventricular wall detected by cardiovascular magnetic resonance imaging in carriers of hypertrophic cardiomyopathy mutations, 2517
Traditional cardiovascular risk factors for in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging: the Multi-Ethnic Study of Atherosclerosis, 2285
Year in cardiac imaging, 2324
- Mast cells**
Histamine, mast cells, and heart failure (editorial), 1385
- Matrix metalloproteinase inhibitors**
Effects of selective matrix metalloproteinase inhibitor (PG-116800) to prevent ventricular remodeling after myocardial infarction, 15
- Matrix metalloproteinase-1**
Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89
- Medication adherence**
Course of depressive symptoms and medication adherence after acute coronary syndromes: an electronic medication monitoring study, 2218
- Men**
See also Gender
Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973
Plasma adiponectin levels are associated with coronary lesion complexity in men with coronary artery disease, 1155
Serum concentrations of adiponectin and risk of type 2 diabetes mellitus and coronary heart disease in apparently healthy middle-aged men, 1369
- Mesenchymal stem cells**
Mesenchymal stem cells repair conduction block (letter), 219
Multimodality noninvasive imaging demonstrates in vivo cardiac regeneration after mesenchymal stem cell therapy, 2116
- Meta-analysis**
Depression in heart failure, 1527
Diagnostic performance of multislice serial computed tomography of coronary arteries as compared with conventional invasive coronary angiography: a meta-analysis, 1896
Meta-analysis of cardiovascular outcomes trials comparing intensive versus moderate statin therapy, 438
Meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media, 692
Percutaneous coronary intervention after fibrinolysis, 1326
- Metabolic syndrome**
Effects of diet on inflammation, 677
Metabolic syndrome and early-onset coronary artery disease: is the whole greater than its parts?, 1800
- Metabolism**
Questions in cardiac resynchronization therapy: metabolic implications (letter), 591
- Metallothionein**
Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688
- Metformin**
Effects of metformin on microvascular function and exercise tolerance in women with angina and normal coronary arteries, 956
- Metoprolol**
Attenuation of the negative inotropic effects of metoprolol at short cycle lengths in humans, 1234
- Metyrapone**
Metyrapone improves endothelial dysfunction in patients with treated depression, 170
- Microarrays**
Identification of a common gene expression signature in dilated cardiomyopathy across independent microarray studies, 1610
Microarrays coming of age in cardiovascular medicine (editorial), 1618
- Microembolization**
Thrombus aspiration reduces microvascular obstruction after primary coronary intervention, 1355
- Microvascular function**
Effects of metformin on microvascular function and exercise tolerance in women with angina and normal coronary arteries, 956
- Microvascular obstruction**
Thrombus aspiration reduces microvascular obstruction after primary coronary intervention, 1355
- Microvolt T-wave alternans**
Cost-effectiveness of a microvolt T-wave alternans screening strategy for implantable

- cardioverter-defibrillator placement in the MADIT-II-eligible population, 112
- "Indeterminate" microvolt T-wave alternans tests predict high risk of death or sustained ventricular arrhythmias in patients with left ventricular dysfunction, 1399
- Predictive value of microvolt T-wave alternans for sudden cardiac death in patients with preserved cardiac function after acute myocardial infarction: results of a collaborative cohort study, 2268
- Mitochondrial oxidative stress**
- Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688
- Mitochondrial permeability**
- Inhibition of mitochondrial permeability transition prevents sepsis-induced myocardial dysfunction and mortality, 377
- Mitral annuloplasty**
- In vivo analysis of the anatomical relationship of coronary sinus to mitral annulus and left circumflex coronary artery using cardiac multidetector computed tomography: implications for percutaneous coronary sinus mitral annuloplasty, 1938
- Mitral annulus**
- In vivo analysis of the anatomical relationship of coronary sinus to mitral annulus and left circumflex coronary artery using cardiac multidetector computed tomography: implications for percutaneous coronary sinus mitral annuloplasty, 1938
- Mitral stenosis**
- Assessment of the mitral valve area in patients with mitral stenosis by multislice computed tomography (correspondence), 411
- Mitral valve area**
- Assessment of the mitral valve area in patients with mitral stenosis by multislice computed tomography (correspondence), 411
- Mitral valve prolapse**
- Head-to-head comparison of two-dimensional and three-dimensional transthoracic echocardiography and transesophageal echocardiography in the localization of mitral valve prolapse, 2523
- Mixed dyslipidemia**
- Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396
- Molecular therapy**
- Reversal of calcium cycling defects in advanced heart failure: toward molecular therapy, A15
- Mortality**
- Effect of door-to-balloon time on patient mortality (letter), 2600
- "Indeterminate" microvolt T-wave alternans tests predict high risk of death or sustained ventricular arrhythmias in patients with left ventricular dysfunction, 1399
- Influence of peripheral arterial disease on outcomes, 1567
- Inhibition of mitochondrial permeability transition prevents sepsis-induced myocardial dysfunction and mortality, 377
- Isolated elevation in troponin T after percutaneous coronary intervention is associated with higher long-term mortality, 1765
- Model for troponin I as a quantitative predictor of in-hospital mortality, 1755
- T⁷⁸⁶C endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients, 1166
- Troponin-T and N-terminal pro-B-type natriuretic peptide predict mortality benefit from coronary revascularization in acute coronary syndromes, 1146
- Mouse models**
- Bone marrow transplantation shows superior atheroprotective effects of gene therapy with apolipoprotein A-I Milano compared with wild-type apolipoprotein A-I in hyperlipidemic mice, 1459
- EUK-8, a superoxide dismutase and catalase mimetic, reduces cardiac oxidative stress and ameliorates pressure overload-induced heart failure in the Harlequin mouse mutant, 824
- Novel inhibitory effect of naloxone on macrophage activation and atherosclerosis formation in mice, 1871
- Multidetector computed tomography**
- Assessment of the mitral valve area in patients with mitral stenosis by multislice computed tomography (correspondence), 411
- Detection of transplant coronary artery disease using multidetector computed tomography with adaptive multisegment reconstruction, 772
- Multidetector computed tomography myocardial perfusion imaging during adenosine stress, 153
- Myocardial perfusion imaging and MDCT coronary angiography: appropriate for all patients with suspected coronary artery disease? (editorial), 2514
- Noncardiac findings in cardiac imaging with multidetector computed tomography, 402
- Multislice computed tomography**
- Diagnostic performance of multislice serial computed tomography of coronary arteries as compared with conventional invasive coronary angiography: a meta-analysis, 1896
- Multimodality noninvasive imaging demonstrates in vivo cardiac regeneration after mesenchymal stem cell therapy, 2116
- Multislice computed tomography and magnetic resonance imaging for the assessment of reperfused acute myocardial infarction, 144
- Non-invasive visualization of the cardiac venous system in coronary artery disease patients using 64-slice computed tomography, 1832
- Prevalence of noncalcified coronary plaques by 64-slice computed tomography in patients with an intermediate risk for significant coronary artery disease, 312
- Relationship between non-invasive coronary angiography with multi-slice computed tomography and myocardial perfusion imaging, 2507
- Myeloid dendritic cells**
- Decrease in circulating myeloid dendritic cell precursors in coronary artery disease, 70
- Myeloid-related protein-8**
- Expression of myeloid-related protein-8 and -14 in patients with acute Kawasaki disease, 1257
- Myeloid-related protein-14**
- Expression of myeloid-related protein-8 and -14 in patients with acute Kawasaki disease, 1257
- Myocardial cell transplantation**
- Potential hazards and technical considerations associated with myocardial cell transplantation protocols for ischemic myocardial syndrome, 1519
- Myocardial conduction**
- Effects of carbenoxolone on human myocardial conduction, 1242
- Myocardial dysfunction**
- Inhibition of mitochondrial permeability transition prevents sepsis-induced myocardial dysfunction and mortality, 377
- Myocardial fibrosis**
- Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106
- Myocardial glucose transport**
- Myocardial glucose transport and utilization in patients with type 2 diabetes mellitus, left ventricular dysfunction and coronary artery disease, 2225
- Myocardial infarction**
- Atorvastatin increases plasma soluble Fms-like tyrosine kinase-1 and decreases vascular endothelial growth factor and placental growth factor in association with improvement of ventricular function in acute myocardial infarction, 43
- Autologous bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor after subacute ST-segment elevation myocardial infarction undergoing late revascularization, 1712
- Beta-blockers and depression following myocardial infarction: a multicenter prospective study, 2209
- Biomaterials for the treatment of myocardial infarction, 907
- Cardiac troponin T at 96 hours after acute myocardial infarction correlates with infarct size and cardiac function, 2192
- Cardiovascular risk among adults with chronic kidney disease, with or without prior myocardial infarction, 1183
- Depression after myocardial infarction: unraveling the mystery of poor cardiovascular prognosis and role of beta-blocker therapy (editorial), 2215
- Differentiation of subendocardial and transmural infarction using two-dimensional strain rate imaging to assess short-axis and long-axis myocardial function, 2026
- Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media, 1961
- Effects of selective matrix metalloproteinase inhibitor (PG-116800) to prevent ventricular remodeling after myocardial infarction, 15
- Erythropoietin: repair of the failing heart (editorial), 185
- Erythropoietin enhances neovascularization of ischemic myocardium and improves left ventricular dysfunction after myocardial infarction in dogs, 176
- Facilitated percutaneous coronary intervention, 1120
- Imaging stem cells implanted in infarcted myocardium, 2094
- Initial strategy of intensive medical therapy is comparable to that of coronary revascularization for suppression of scintigraphic ischemia in high risk but stable survivors of acute myocardial infarction, 2458
- Moving preconditioning from bench to bedside (editorial), 215
- Multinational study to establish adenosine technetium-99m sestamibi myocardial

- perfusion imaging in identifying a low-risk group for early hospital discharge following acute myocardial infarction, 2448
- Multislice computed tomography and magnetic resonance imaging for the assessment of reperfused acute myocardial infarction, 144
- Myocardial scars more frequent than expected, 765
- Non-invasive risk stratification post MI: new evidence, new questions (editorial), 2468
- Only incident depressive episodes following myocardial infarction are associated with new cardiovascular events, 2204
- Polyunsaturated fatty acids and the post-infarct patient (editorial), 1607
- Post-reperfusion myocardial infarction, 206
- Predictive value of microvolt T-wave alternans for sudden cardiac death in patients with preserved cardiac function after acute myocardial infarction: results of a collaborative cohort study, 2268
- Protective effects of erythropoietin in cardiac ischemia: from bench to bedside, 2161
- Real-time detection and alerting for acute ST elevation myocardial ischemia using an implantable high fidelity, ECG monitoring system with long-range telemetry in an ambulatory porcine model, 2306
- Rheolytic thrombectomy with percutaneous coronary intervention for infarct size reduction in acute myocardial infarction, 244
- Role of PDGF signaling in healing myocardial infarcts, 2315
- Role of Purkinje fibers in post-infarction ventricular tachycardia, 2499
- Seasonality and daily weather conditions in relation to myocardial infarction and sudden cardiac death in Olmsted County, Minnesota, 1979 to 2002, 287
- Thrombus aspiration before primary angioplasty improves myocardial reperfusion in acute myocardial infarction, 1552
- Young adult myocardial infarction and ischemic stroke, 686
- Myocardial ischemia**
- Erythropoietin enhances neovascularization of ischemic myocardium and improves left ventricular dysfunction after myocardial infarction in dogs, 176
- Initial strategy of intensive medical therapy is comparable to that of coronary revascularization for suppression of scintigraphic ischemia in high risk but stable survivors of acute myocardial infarction, 2458
- Protein kinase C β /early growth response-1 pathway: a key player in ischemia, atherosclerosis, and restenosis, A47
- Rapid decline of collateral circulation increases susceptibility to myocardial ischemia, 59
- Myocardial perfusion**
- Coronary artery calcification and myocardial perfusion (editorial), 1027
- Coronary artery calcification and myocardial perfusion in asymptomatic adults, 1018
- Myocardial contrast echocardiography evolving as a clinically feasible technique for accurate, rapid, and safe assessment of myocardial perfusion: the evidence so far, 2168
- Myocardial perfusion imaging**
- Multidetector computed tomography myocardial perfusion imaging during adenosine stress, 153
- Multinational study to establish adenosine technetium-99m sestamibi myocardial perfusion imaging in identifying a low-risk group for early hospital discharge following acute myocardial infarction, 2448
- Myocardial perfusion imaging and MDCT coronary angiography: appropriate for all patients with suspected coronary artery disease? (editorial), 2514
- Relationship between non-invasive coronary angiography with multi-slice computed tomography and myocardial perfusion imaging, 2507
- What is the prognostic value of myocardial perfusion imaging using rubidium-82 positron emission tomography, 1029
- Myocardial perfusion scintigraphy**
- Potential of myocardial perfusion scintigraphy for risk stratification of asymptomatic patients with type 2 diabetes, 754
- Myocardial reperfusion**
- Thrombus aspiration before primary angioplasty improves myocardial reperfusion in acute myocardial infarction, 1552
- Myocardial scars**
- Discrimination of myocardial acute and chronic (scar) infarctions on delayed contrast enhanced magnetic resonance imaging with intravascular magnetic resonance contrast media, 1961
- Myocardial scars more frequent than expected, 765
- Myocardial strain**
- Myocardial strain and torsion quantified by cardiovascular magnetic resonance tissue tagging: studies in normal and impaired left ventricular function, 2002
- Myocardial torsion**
- Myocardial strain and torsion quantified by cardiovascular magnetic resonance tissue tagging: studies in normal and impaired left ventricular function, 2002
- Myocarditis**
- Noninvasive imaging in myocarditis, 2085
- Myocardium**
- Testing regeneration of human myocardium without knowing the identity and the number of effective bone marrow cells transplanted: are the results meaningful? (letter), 417
- Naloxone**
- Novel inhibitory effect of naloxone on macrophage activation and atherosclerosis formation in mice, 1871
- Narrow QRS complex**
- Cardiac resynchronization therapy in patients with a narrow QRS complex, 2243
- Natriuretic peptide(s)**
- Amino-terminal pro-brain natriuretic peptide, renal function, and outcomes in acute heart failure, 1621
- Amino-terminal pro-brain natriuretic peptide to diagnose congestive heart failure in patients with impaired kidney function (letter), 1060
- Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499
- Biomarkers in acute cardiac disease, 1
- Gender-specific risk stratification with B-type natriuretic peptide levels in patients with acute dyspnea: insights from the B-type natriuretic peptide for acute shortness of breath evaluation study, 1808
- Natriuretic peptides and cardiac hypertrophy (editorial), 506
- Utility of amino-terminal pro-brain natriuretic peptide, galectin-3, and apelin for the evaluation of patients with acute heart failure, 1217
- Natriuretic peptide receptor gene polymorphisms**
- Association of atrial natriuretic peptide and type A natriuretic peptide receptor gene polymorphisms with left ventricular mass in human essential hypertension, 499
- Negative inotropism**
- Attenuation of the negative inotropic effects of metoprolol at short cycle lengths in humans, 1234
- Neointimal hyperplasia**
- Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366
- Neonates**
- Adverse effects of dopamine on systemic hemodynamic status and oxygen transport in neonates after the Norwood procedure, 1859
- Neovascularization**
- Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization, 236
- Erythropoietin enhances neovascularization of ischemic myocardium and improves left ventricular dysfunction after myocardial infarction in dogs, 176
- Nephropathy**
- Meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media, 692
- Neuregulin-1**
- Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438
- Neuromuscular incapacitating devices**
- Cardiac electrophysiological consequences of neuromuscular incapacitating device discharges, 798
- Effects of cocaine intoxication on the threshold for stun gun induction of ventricular fibrillation, 805
- Neutrophil-activating peptide-2**
- Increased levels of neutrophil-activating peptide-2 in acute coronary syndromes, 1591
- Nicotine-mediated angiogenesis**
- Endothelial progenitor cells participate in nicotine-mediated angiogenesis, 2552
- Janus face of nicotine angiogenesis (editorial), (JACC 12 Avogaro, Fadini)
- NM-702**
- Novel phosphodiesterase inhibitor NM-702 improves claudication-limited exercise performance in patients with peripheral arterial disease, 2538
- Noncalcified coronary plaques**
- Prevalence of noncalcified coronary plaques by 64-slice computed tomography in patients with an intermediate risk for significant coronary artery disease, 312
- Noncontact mapping system**
- Validation of the noncontact mapping system in the left atrium during permanent atrial fibrillation and sinus rhythm, 485
- Noninvasive imaging of cardiac electrophysiology**
- Single-beat noninvasive imaging of cardiac electrophysiology of ventricular pre-excitation, 2045
- Nonischemic dilated cardiomyopathy**
- Effects of statin therapy on arrhythmic events and survival in patients with nonischemic dilated cardiomyopathy, 1228

Non-ST-segment elevation acute coronary syndromes

- Acute clopidogrel use and outcomes in patients with non-ST-segment elevation acute coronary syndromes undergoing coronary artery bypass surgery, 281
- Benefit of a 600-mg loading dose of clopidogrel on platelet reactivity and clinical outcomes in patients with non-ST-segment elevation acute coronary syndrome undergoing coronary stenting, 1337
- Benefit of early invasive therapy in acute coronary syndromes, 1319
- Commentary on clinical guidelines and practice, 1136
- Randomized comparison of high clopidogrel loading doses in patients with non-ST-segment elevation acute coronary syndromes, 931
- Short- and long-term risk stratification in acute coronary syndromes, 939
- Year in non-ST-segment elevation acute coronary syndromes, 386

Non-ST-segment elevation myocardial infarction

- Cardiac troponin T at 96 hours after acute myocardial infarction correlates with infarct size and cardiac function, 2192

Norepinephrine reuptake transporter

- Norepinephrine transporter inhibition prevents tilt-induced pre-syncope, 516

Norwood procedure

- Adverse effects of dopamine on systemic hemodynamic status and oxygen transport in neonates after the Norwood procedure, 1859

N-terminal pro-B-type natriuretic peptide

- See also* Amino-terminal pro-brain natriuretic peptide
- Amino-terminal pro-brain natriuretic peptide to diagnose congestive heart failure in patients with impaired kidney function (letter), 1060
- Troponin-T and N-terminal pro-B-type natriuretic peptide predict mortality benefit from coronary revascularization in acute coronary syndromes, 1146

Obesity

- Improvement of early vascular changes and cardiovascular risk factors in obese children after a six-month exercise program, 1865
- Insulin resistance as a determinant of platelet activation in obese women, 2530
- Peroxisome proliferator-activated receptors at the crossroads of obesity, diabetes, and cardiovascular disease, A24

Occlusions

- Determinants of coronary steal in chronic total coronary occlusions, 51

Older adults

- See also* Elderly
- Prolonged QTc interval and sudden cardiac death in older adults (letter), 1473

Olive oil

- Acute effects of high-fat meals enriched with walnuts or olive oil on postprandial endothelial function, 1666
- Olive oil and ischemic reactive hyperemia in hypercholesterolemic patients (letter), 414
- Virgin olive oil and vegetables improve endothelial health (letter), 413

Omega-3 fatty acids

- Dietary fish and n-3 fatty acid intake and cardiac electrocardiographic parameters in humans, 478
- Effects of diet on inflammation, 677

Optical coherence tomography

- Diagnostic accuracy of optical coherence tomography and integrated backscatter intravascular ultrasound images for tissue characterization of human coronary plaques, 81

Orthostatic hypotension

- Lower limb and abdominal compression bandages prevent progressive orthostatic hypotension in elderly persons, 1425

Outcomes

- Abnormal conduction increases risk of adverse outcomes from right ventricular pacing, 1628
- Acute clopidogrel use and outcomes in patients with non-ST-segment elevation acute coronary syndromes undergoing coronary artery bypass surgery, 281
- Aldosterone synthase promoter polymorphism predicts outcome in African Americans with heart failure, 1277
- Amino-terminal pro-brain natriuretic peptide, renal function, and outcomes in acute heart failure, 1621
- Benefit of a 600-mg loading dose of clopidogrel on platelet reactivity and clinical outcomes in patients with non-ST-segment elevation acute coronary syndrome undergoing coronary stenting, 1337
- Clinical outcomes for sirolimus-eluting stents and polymer-coated paclitaxel-eluting stents in daily practice, 1312
- Impact of the degree of peri-interventional platelet inhibition after loading with clopidogrel on early clinical outcome of elective coronary stent placement, 1742
- Influence of peripheral arterial disease on outcomes, 1567
- Keeping apples and oranges separate: reassessing clinical trials that use composite end points as their primary outcome (editorial), 850
- Meta-analysis of cardiovascular outcomes trials comparing intensive versus moderate statin therapy, 438
- Outcomes by gender in the African-American Heart Failure Trial, 2263
- Short-term change in distance walked in 6 min is an indicator of outcome in patients with chronic heart failure in clinical practice, 99
- Subgroup analysis of the impact of prerandomization antithrombin therapy on outcomes in the SYNERGY trial, 1346
- Value of platelet reactivity in predicting response to treatment and clinical outcome in patients undergoing percutaneous coronary intervention, 2178
- Vessel size and outcome after coronary drug-eluting stent placement, 1304
- Year in epidemiology, health services research, and outcomes research, 1886

Oxidative stress

- Attenuation by metallothionein of early cardiac cell death via suppression of mitochondrial oxidative stress results in a prevention of diabetic cardiomyopathy, 1688

Oxidized low-density lipoprotein

- Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973
- Oxidized or native low-density lipoprotein cholesterol (editorial), 980

Oxygen transport

- Adverse effects of dopamine on systemic

hemodynamic status and oxygen transport in neonates after the Norwood procedure, 1859

P waves

- P-wave morphology in focal atrial tachycardia, 1010

p38 mitogen-activated protein kinase

- Activation of p38 mitogen-activated protein kinase contributes to the early cardiodepressant activity of tumor necrosis factor, 545
- p38 mitogen-activated protein kinase (editorial), 556

Pacing

- Abnormal conduction increases risk of adverse outcomes from right ventricular pacing, 1628
- Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642
- Selection of permanent ventricular pacing site (editorial), 1649
- Ventricular pacing lead location alters systemic hemodynamics and left ventricular function in patients with and without reduced ejection fraction, 1634

Paclitaxel-eluting stents

- See also* Stents
- All drug-eluting stents are equal, but some drug-eluting stents are more equal than others (editorial), 1310
- Clinical outcomes for sirolimus-eluting stents and polymer-coated paclitaxel-eluting stents in daily practice, 1312
- Cost analysis from two randomized trials of sirolimus-eluting stents versus paclitaxel-eluting stents in high-risk patients with coronary artery disease, 262
- Cost effectiveness of paclitaxel-eluting stents for patients undergoing percutaneous coronary revascularization, 253
- Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366
- Impact of routine angiographic follow-up on the clinical benefits of paclitaxel-eluting stents, 32
- Two-year follow-up of the quantitative angiographic and volumetric intravascular ultrasound analysis after non-polymeric paclitaxel-eluting stent implantation: late "catch-up" phenomenon from the ASPECT study, 2432
- Vessel size and outcome after coronary drug-eluting stent placement, 1304

Paradoxical embolism

- Young adult myocardial infarction and ischemic stroke, 686

Paroxysmal atrial fibrillation

- See also* Atrial fibrillation
- Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340

Patent foramen ovale

- Cardiac magnetic resonance imaging and transesophageal echocardiography in patients with transcatheter closure of patent foramen ovale, 322
- Patent foramen ovale and the risk of cryptogenic stroke (letter), 1913
- Spontaneous late closure of patent foramen ovale (letter), 1913

Peak negative voltage

- Substrate mapping to detect abnormal atrial endocardium with slow conduction in patients with atypical right atrial flutter, 492

Pediatrics

See also Children

- Pediatric cardiac critical care patients should be cared for by intensivists (letter), 221
- Presentation and prognosis of complete atrioventricular block in childhood, according to maternal antibody status, 1682

Percutaneous coronary interventions

- Clinical judgment and treatment options in stable multivessel coronary artery disease, 948
- Cost effectiveness of paclitaxel-eluting stents for patients undergoing percutaneous coronary revascularization, 253
- Facilitated percutaneous coronary intervention, 1120
- Hubris versus evidence (letter), 415
- Impact of the degree of peri-interventional platelet inhibition after loading with clopidogrel on early clinical outcome of elective coronary stent placement, 1742
- Influence of peripheral arterial disease on outcomes, 1567
- In-stent restenosis and remote coronary lesion progression are coupled in cardiac transplant vasculopathy but not in native coronary artery disease, 453
- Isolated elevation in troponin T after percutaneous coronary intervention is associated with higher long-term mortality, 1765
- Percutaneous coronary intervention after fibrinolysis, 1326
- Prognostic importance of nonsignificant left main coronary artery disease in patients undergoing percutaneous coronary intervention, 276
- Protection from procedural myocardial injury by atorvastatin is associated with lower levels of adhesion molecules after percutaneous coronary intervention, 1560
- Rapid decline of collateral circulation increases susceptibility to myocardial ischemia, 59
- Rheolytic thrombectomy with percutaneous coronary intervention for infarct size reduction in acute myocardial infarction, 244
- Thrombus aspiration before primary angioplasty improves myocardial reperfusion in acute myocardial infarction, 1552
- Thrombus aspiration reduces microvascular obstruction after primary coronary intervention, 1355
- Value of platelet reactivity in predicting response to treatment and clinical outcome in patients undergoing percutaneous coronary intervention, 2178

Percutaneous intracoronary cellular cardiomyoplasty

- Percutaneous intracoronary cellular cardiomyoplasty for non-ischemic cardiomyopathy: clinical and histopathologic results, 2350

Peripheral arterial disease

- Effect of novel cardiovascular risk factors on the ethnic-specific odds for peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA), 1190
- Influence of peripheral arterial disease on outcomes, 1567
- Novel phosphodiesterase inhibitor NM-702 improves claudication-limited exercise performance in patients with peripheral arterial disease, 2538

Peroxisome proliferator-activated receptors

- Peroxisome proliferator-activated receptors at the crossroads of obesity, diabetes, and cardiovascular disease, A24

PG-116800

- Effects of selective matrix metalloproteinase inhibitor (PG-116800) to prevent ventricular remodeling after myocardial infarction, 15

Philanthropy

- Philanthropy and medicine (editorial), 1725

Phosphodiesterase inhibitor

- Novel phosphodiesterase inhibitor NM-702 improves claudication-limited exercise performance in patients with peripheral arterial disease, 2538

Phospholamban

- Phospholamban R14 deletion results in late-onset, mild, hereditary dilated cardiomyopathy, 1396

Physical counterpressure maneuvers

- Effectiveness of physical counterpressure maneuvers in preventing vasovagal syncope, 1652

Physical examination

- With the cardiac physical examination? (editorial), 2156

Placental growth factor

- Atorvastatin increases plasma soluble Fms-like tyrosine kinase-1 and decreases vascular endothelial growth factor and placental growth factor in association with improvement of ventricular function in acute myocardial infarction, 43

Plakophilin-2

- Penetrance of mutations in plakophilin-2 among families with arrhythmogenic right ventricular dysplasia/cardiomyopathy, 1416

Plaque

- Characterization of plaque prolapse after drug-eluting stent implantation in diabetic patients, 1139
- Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization, 236
- Coronary plaque burden and cardiovascular risk factors: single-point versus serial assessment (letter), 1914
- Increased levels of neutrophil-activating peptide-2 in acute coronary syndromes, 1591
- Relation between lipoprotein(a) and fibrinogen and serial intravascular ultrasound plaque progression in left main coronary arteries, 446

Plasmacytoid dendritic cells

- Decrease in circulating myeloid dendritic cell precursors in coronary artery disease, 70

Platelet(s)

- Benefit of a 600-mg loading dose of clopidogrel on platelet reactivity and clinical outcomes in patients with non-ST-segment elevation acute coronary syndrome undergoing coronary stenting, 1337
- Cyclooxygenase-2 inhibitors enhance shear stress-induced platelet aggregation, 817
- Impact of the degree of peri-interventional platelet inhibition after loading with clopidogrel on early clinical outcome of elective coronary stent placement, 1742
- Insulin resistance as a determinant of platelet activation in obese women, 2530
- Insulin therapy is associated with platelet dysfunction in patients with type 2 diabetes mellitus on dual oral antiplatelet treatment, 298
- Thrombopoietin contributes to enhanced platelet activation in patients with unstable angina, 2195
- Value of platelet reactivity in predicting response to treatment and clinical outcome in patients undergoing percutaneous coronary intervention, 2178

Platelet-derived growth factor signaling

- Role of PDGF signaling in healing myocardial infarcts, 2315

Polyunsaturated fatty acids

- Enhanced baroreceptor control of the cardiovascular system by polyunsaturated fatty acids in heart failure patients, 1600
- Polyunsaturated fatty acids and the post-infarct patient (editorial), 1607

Porcine models

- Real-time detection and alerting for acute ST elevation myocardial ischemia using an implantable high fidelity, ECG monitoring system with long-range telemetry in an ambulatory porcine model, 2306

Positron emission tomography

- In vivo ¹⁸F-fluorodeoxyglucose positron emission tomography imaging provides a noninvasive measure of carotid plaque inflammation in patients, 1818
- Noninvasive characterization of myocardial molecular interventions by integrated positron emission tomography and computed tomography, 2107
- Simvastatin attenuates plaque inflammation: evaluation by fluorodeoxyglucose positron emission tomography, 1825
- What is the prognostic value of myocardial perfusion imaging using rubidium-82 positron emission tomography, 1029
- Year in cardiac imaging, 2324

Postoperative atrial fibrillation

- Left atrial size and postoperative atrial fibrillation (editorial), 787

Practice guidelines

- Clinical guidelines and practice, 1129
- Commentary on clinical guidelines and practice, 1136

Preconditioning

- Caffeine prevents protection in two human models of ischemic preconditioning, 700
- Moving preconditioning from bench to bedside (editorial), 215

Pregnancy

- Does pregnancy increase cardiac risk for LQT1 patients with the KCNQ1-A341V mutation?, 1410

Preoperative cardiac testing

- Any need for preoperative cardiac testing in intermediate-risk patients with tight beta-adrenergic blockade? (editorial), 970
- Should major vascular surgery be delayed because of preoperative cardiac testing in intermediate-risk patients receiving beta-blocker therapy with tight heart rate control?, 964

Pressure overload

- Activation of apoptotic caspase cascade during the transition to pressure overload-induced heart failure, 1451
- EUK-8, a superoxide dismutase and catalase mimetic, reduces cardiac oxidative stress and ameliorates pressure overload-induced heart failure in the Harlequin mouse mutant, 824

Pre-syncope

- Norepinephrine transporter inhibition prevents tilt-induced pre-syncope, 516

Primary aldosteronism

- Prospective study of the prevalence of primary aldosteronism in 1125 hypertensive patients, 2293

Protein kinase C β

- Protein kinase C β /early growth response-1 pathway: a key player in ischemia, atherosclerosis, and restenosis, A47

Proteomics

- Cardiovascular proteomics: tools to develop novel biomarkers and potential applications, 1733

PROVE IT-TIMI-22 study

Pleiotropic effects of statins and early benefit in the PROVE IT-TIMI-22 study (letter), 852

Pulmonary embolism

Temporary pulmonary stent placement as emergency treatment of pulmonary embolism, 812

Pulmonary hypertension

Complications of right heart catheterization procedures in patients with pulmonary hypertension in experienced centers, 2545
Favorable effects of inhaled treprostinil in severe pulmonary hypertension, 1672
Safety and efficacy of inhaled treprostinil as add-on therapy to bosentan in pulmonary arterial hypertension, 1433

Pulmonary stent

Temporary pulmonary stent placement as emergency treatment of pulmonary embolism, 812

Pulmonary vein ablation

Effects of two different catheter ablation techniques on spectral characteristics of atrial fibrillation, 340
Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340

Pulmonary vein total occlusion

Pulmonary vein total occlusion following catheter ablation in atrial fibrillation: clinical implications after long term follow up, 2493

Pulmonary vein-atrial junction

Autonomic innervation and segmental muscular disconnections at the human pulmonary vein-atrial junction, 132

Purkinje fibers

Role of Purkinje fibers in post-infarction ventricular tachycardia, 2499

QRS complex

Benefits of cardiac resynchronization therapy for heart failure patients with narrow QRS complexes and coexisting systolic asynchrony by echocardiography, 2251
Cardiac resynchronization therapy in patients with a narrow QRS complex, 2243

QRS duration

Abnormal conduction increases risk of adverse outcomes from right ventricular pacing, 1628

QT interval

Beat-to-beat variability of repolarization determines proarrhythmic outcome in dogs susceptible to drug-induced torsades de pointes, 1268
Corrected QT variability in serial electrocardiograms in long QT syndrome, 1047
QT interval duration remains a major risk factor in long QT syndrome patients (editorial), 1053

QTc interval

Prolonged QTc interval and sudden cardiac death in older adults (letter), 1473

Quality of life

Atrial fibrillation or sinus rhythm? (editorial), 731
Enhanced external counterpulsation improves exercise tolerance in patients with chronic heart failure, 1198
Quality of life and exercise performance in patients in sinus rhythm versus persistent atrial fibrillation, 721

Race

Effect of novel cardiovascular risk factors on the ethnic-specific odds for peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA), 1190

Outcomes by gender in the African-American Heart Failure Trial, 2263

Prescribing BiDil, 12

Randomized clinical trials

Comparison of zotarolimus-eluting stents and sirolimus-eluting stents in patients with native coronary artery disease: a randomized controlled trial, 2440
Desperately seeking a randomized clinical trial of resynchronization therapy for patients with heart failure and atrial fibrillation (editorial), 744
Favorable effects of inhaled treprostinil in severe pulmonary hypertension, 1672
Impact of blockade of histamine H₂ receptors on chronic heart failure revealed by retrospective and prospective randomized studies, 1378
Physician judgment in cardiology (editorial), 954
Randomized clinical trial of trimetazidine, a partial free fatty acid oxidation inhibitor, in patients with heart failure, 992
Randomized trial of circumferential pulmonary vein ablation versus antiarrhythmic drug therapy in paroxysmal atrial fibrillation, 2340

Ranolazine

Antianginal efficacy of ranolazine when added to treatment with amlodipine, 566
Ranolazine: augmenting the antianginal armamentarium (editorial), 576

Reactive hyperemia

Olive oil and ischemic reactive hyperemia in hypercholesterolemic patients (letter), 414

Refractory angina

Enhanced external counterpulsation treatment improves arterial wall properties and wave reflection characteristics in patients with refractory angina, 1208

Remodeling

Effects of selective matrix metalloproteinase inhibitor (PG-116800) to prevent ventricular remodeling after myocardial infarction, 15
Functional and structural vascular remodeling in elite rowers assessed by cardiovascular magnetic resonance, 790

Renal artery stenosis

Assessment of renal artery stenosis severity by pressure gradient measurements, 1851

Renal artery stenting

Renal artery stenting following unsuccessful balloon angioplasty (letter), 225

Renal insufficiency

Renal toxicity evaluation and comparison between Visipaque (iodixanol) and Hexabrix (ioxaglate) in patients with renal insufficiency undergoing coronary angiography, 924

Renin

Assessment of renal artery stenosis severity by pressure gradient measurements, 1851

Reperfusion

Multislice computed tomography and magnetic resonance imaging for the assessment of reperfusion acute myocardial infarction, 144
Post-reperfusion myocardial infarction, 206

Repolarization

Beat-to-beat variability of repolarization determines proarrhythmic outcome in dogs susceptible to drug-induced torsades de pointes, 1268

Research

Year in epidemiology, health services research, and outcomes research, 1886

Restenosis

Cost analysis from two randomized trials of sirolimus-eluting stents versus paclitaxel-

eluting stents in high-risk patients with coronary artery disease, 262

Effectiveness and safety of sirolimus stent implantation for coronary in-stent restenosis, 270

In-stent restenosis and remote coronary lesion progression are coupled in cardiac transplant vasculopathy but not in native coronary artery disease, 453

Protein kinase C β /early growth response-1 pathway: a key player in ischemia, atherosclerosis, and restenosis, A47

Revascularization

Autologous bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor after subacute ST-segment elevation myocardial infarction undergoing late revascularization, 1712

Cost effectiveness of paclitaxel-eluting stents for patients undergoing percutaneous coronary revascularization, 253

Initial strategy of intensive medical therapy is comparable to that of coronary revascularization for suppression of scintigraphic ischemia in high risk but stable survivors of acute myocardial infarction, 2458

Most asymptomatic diabetic patients will not benefit from coronary revascularization (letter), 1916

Percutaneous laser revascularization does not equal transmyocardial laser revascularization (letter), 2354

Troponin-T and N-terminal pro-B-type natriuretic peptide predict mortality benefit from coronary revascularization in acute coronary syndromes, 1146

Rheolytic thrombectomy

Rheolytic thrombectomy with percutaneous coronary intervention for infarct size reduction in acute myocardial infarction, 244

Rheumatoid disease

Left ventricular systolic dysfunction in rheumatoid disease (letter), 1727

Right atrium

Substrate mapping to detect abnormal atrial endocardium with slow conduction in patients with atypical right atrial flutter, 492

Right heart catheterization

Complications of right heart catheterization procedures in patients with pulmonary hypertension in experienced centers, 2545

Right ventricle

MRI of arrhythmogenic right ventricular dysplasia: sensitivity, specificity and observer variability of fat detection versus functional analysis of the right ventricle, 2277

Right ventricular infarction

Contrast-enhanced cardiovascular magnetic resonance imaging of right ventricular infarction, 1969

Right ventricular pacing

Abnormal conduction increases risk of adverse outcomes from right ventricular pacing, 1628
Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642

Risk factors

Are familial Mediterranean fever (FMF) patients at increased risk for atherosclerosis?, 2351

Cardiovascular risk among adults with chronic kidney disease, with or without prior myocardial infarction, 1183

- Coronary plaque burden and cardiovascular risk factors: single-point versus serial assessment (letter), 1914
- Does pregnancy increase cardiac risk for LQT1 patients with the KCNQ1-A341V mutation?, 1410
- Effect of novel cardiovascular risk factors on the ethnic-specific odds for peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA), 1190
- Has the risk for coronary heart disease changed among U.S. adults?, 1177
- Improvement of early vascular changes and cardiovascular risk factors in obese children after a six-month exercise program, 1865
- Traditional cardiovascular risk factors for in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging: the Multi-Ethnic Study of Atherosclerosis, 2285
- Risk stratification**
- Arrhythmia risk prediction in patients with preserved left ventricular function: the final frontier? (editorial), 2275
- Cardiovascular magnetic resonance, fibrosis, and prognosis in dilated cardiomyopathy, 1977
- Corrected QT variability in serial electrocardiograms in long QT syndrome, 1047
- Cost-effectiveness of a microvolt T-wave alternans screening strategy for implantable cardioverter-defibrillator placement in the MADIT-II-eligible population, 112
- Gender-specific risk stratification with B-type natriuretic peptide levels in patients with acute dyspnea: insights from the B-type natriuretic peptide for acute shortness of breath evaluation study, 1808
- Left atrial volume predicts the risk of atrial fibrillation after cardiac surgery, 779
- Multinational study to establish adenosine technetium-99m sestamibi myocardial perfusion imaging in identifying a low-risk group for early hospital discharge following acute myocardial infarction, 2448
- Non-invasive risk stratification post MI: new evidence, new questions (editorial), 2468
- Potential of myocardial perfusion scintigraphy for risk stratification of asymptomatic patients with type 2 diabetes, 754
- Risk stratification with electrocardiographic-gated dobutamine stress imaging (letter), 1472
- Short- and long-term risk stratification in acute coronary syndromes, 939
- Troponin-T and N-terminal pro-B-type natriuretic peptide predict mortality benefit from coronary revascularization in acute coronary syndromes, 1146
- R-R interval**
- Standard deviation of sequential five-minute R-R interval means (SDANN) is a prognostic marker, but not necessarily an autonomic marker (letter), 1285
- Rubidium-82 positron emission tomography**
- What is the prognostic value of myocardial perfusion imaging using rubidium-82 positron emission tomography, 1029
- S100 proteins**
- S100 proteins in the pathogenesis of Kawasaki disease (editorial), 1265
- Saphenous vein grafts**
- Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423
- Saturated fat**
- Consumption of saturated fat impairs the anti-inflammatory properties of high-density lipoproteins and endothelial function, 715
- Scintigraphic ischemia**
- Initial strategy of intensive medical therapy is comparable to that of coronary revascularization for suppression of scintigraphic ischemia in high risk but stable survivors of acute myocardial infarction, 2458
- Screening**
- Screening asymptomatic diabetic patients for coronary artery disease, 761
- Seasonality**
- Seasonality and daily weather conditions in relation to myocardial infarction and sudden cardiac death in Olmsted County, Minnesota, 1979 to 2002, 287
- Sepsis**
- Inhibition of mitochondrial permeability transition prevents sepsis-induced myocardial dysfunction and mortality, 377
- Septal to posterior wall motion delay**
- Role of septal to posterior wall motion delay in cardiac resynchronization therapy (letter), 596
- Sex**
- See also Gender; Men; Women
- Shear stress**
- Cyclooxygenase-2 inhibitors enhance shear stress-induced platelet aggregation, 817
- Simvastatin**
- Measuring effects of antiatherosclerotic therapies (letter), 845
- Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396
- Simvastatin attenuates plaque inflammation: evaluation by fluorodeoxyglucose positron emission tomography, 1825
- Single-nucleotide polymorphisms**
- Significance of vascular nitric oxide synthase pathways in coronary artery disease (editorial), 1175
- T^{-786C} endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients, 1166
- Single-photon emission computed tomography**
- Year in cardiac imaging, 2324
- Sinus rhythm**
- Atrial fibrillation or sinus rhythm? (editorial), 731
- Quality of life and exercise performance in patients in sinus rhythm versus persistent atrial fibrillation, 721
- Validation of the noncontact mapping system in the left atrium during permanent atrial fibrillation and sinus rhythm, 485
- Sirolimus-eluting stents**
- See also Stents
- All drug-eluting stents are equal, but some drug-eluting stents are more equal than others (editorial), 1310
- Clinical outcomes for sirolimus-eluting stents and polymer-coated paclitaxel-eluting stents in daily practice, 1312
- Comparison of zotarolimus-eluting stents and sirolimus-eluting stents in patients with native coronary artery disease: a randomized controlled trial, 2440
- Cost analysis from two randomized trials of sirolimus-eluting stents versus paclitaxel-eluting stents in high-risk patients with coronary artery disease, 262
- Effectiveness and safety of sirolimus stent implantation for coronary in-stent restenosis, 270
- Periprocedural and late consequences of overlapping Cypher sirolimus-eluting stents, 21
- Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow-up of the RRISC trial, 2423
- Vessel size and outcome after coronary drug-eluting stent placement, 1304
- Soluble Fms-like tyrosine kinase-1**
- Atorvastatin increases plasma soluble Fms-like tyrosine kinase-1 and decreases vascular endothelial growth factor and placental growth factor in association with improvement of ventricular function in acute myocardial infarction, 43
- Sotalol**
- Attenuation of the negative inotropic effects of metoprolol at short cycle lengths in humans, 1234
- Standard deviation of sequential five-minute R-R interval means**
- Standard deviation of sequential five-minute R-R interval means (SDANN) is a prognostic marker, but not necessarily an autonomic marker (letter), 1285
- STARFlex device**
- Device closure rates of simple atrial septal defects optimized by the STARFlex device, 538
- Statins**
- Effects of statin therapy on arrhythmic events and survival in patients with nonischemic dilated cardiomyopathy, 1228
- Meta-analysis of cardiovascular outcomes trials comparing intensive versus moderate statin therapy, 438
- Pleiotropic effects of statins and early benefit in the PROVE IT-TIMI-22 study (letter), 852
- Reduction of inflammatory biomarkers by statin, fibrate, and combination therapy among diabetic patients with mixed dyslipidemia, 396
- Stem cells**
- Autologous bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor after subacute ST-segment elevation myocardial infarction undergoing late revascularization, 1712
- Effect of stem cell mobilization by granulocyte-colony stimulating factor on neointimal hyperplasia and endothelial healing after vascular injury with bare-metal versus paclitaxel-eluting stents, 366
- Imaging stem cells implanted in infarcted myocardium, 2094
- Mesenchymal stem cells repair conduction block (letter), 219
- Multimodality noninvasive imaging demonstrates in vivo cardiac regeneration after mesenchymal stem cell therapy, 2116
- Myocardial regeneration by stem cells (editorial), 1722
- Stenosis**
- Assessment of renal artery stenosis severity by pressure gradient measurements, 1851
- Stent(s)**
- See also Bare-metal stents; Drug-eluting stents; Paclitaxel-eluting stents; Sirolimus-eluting stents

- Cardiac allograft vasculopathy in heart transplant patients (editorial), 462
- Cost effectiveness of paclitaxel-eluting stents for patients undergoing percutaneous coronary revascularization, 253
- Impact of the degree of peri-interventional platelet inhibition after loading with clopidogrel on early clinical outcome of elective coronary stent placement, 1742
- Magnetically targeted endothelial cell localization in stented vessels, 1839
- Repositionable valved stent for endovascular treatment of deteriorated bioprostheses, 1365
- Temporary pulmonary stent placement as emergency treatment of pulmonary embolism, 812
- Unprotected left main disease: stent or surgery? (letter), 1727
- Stenting**
- Benefit of a 600-mg loading dose of clopidogrel on platelet reactivity and clinical outcomes in patients with non-ST-segment elevation acute coronary syndrome undergoing coronary stenting, 1337
- Effect of clopidogrel with and without eptifibatid on tumor necrosis factor- α and C-reactive protein release after elective stenting: results from the CLEAR PLATELETS-1b study, 2186
- Strain rate imaging**
- Can technical limitations of strain rate imaging be overtaken by particular arrangements? (letter), 1729
- Stress echocardiography**
- See also Echocardiography
- Relationship between coronary artery calcification detected by electron-beam computed tomography and abnormal stress echocardiography: association and prognostic implications, 2125
- Stroke**
- Effects of high-dose atorvastatin on cerebrovascular events in patients with stable coronary disease in the TNT Study, 1793
- Patent foramen ovale and the risk of cryptogenic stroke (letter), 1913
- Relative strength of C-reactive protein and lipid levels as determinants of ischemic stroke as compared to coronary heart disease in women, 2235
- Young adult myocardial infarction and ischemic stroke, 686
- ST-segment elevation myocardial infarction**
- Autologous bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor after subacute ST-segment elevation myocardial infarction undergoing late revascularization, 1712
- Cardiac troponin T at 96 hours after acute myocardial infarction correlates with infarct size and cardiac function, 2192
- Facilitated percutaneous coronary intervention, 1120
- Interaction among risk-time and benefit of primary angioplasty (letter), 1062
- Real-time detection and alerting for acute ST elevation myocardial ischemia using an implantable high fidelity, ECG monitoring system with long-range telemetry in an ambulatory porcine model, 2306
- Role of clopidogrel in early and sustained arterial patency after fibrinolysis for ST-segment elevation myocardial infarction, 37
- Value of platelet reactivity in predicting response to treatment and clinical outcome in patients undergoing percutaneous coronary intervention, 2178
- Stun gun**
- Cardiac electrophysiological consequences of neuromuscular incapacitating device discharges, 798
- Effects of cocaine intoxication on the threshold for stun gun induction of ventricular fibrillation, 805
- Substrate mapping**
- Substrate mapping to detect abnormal atrial endocardium with slow conduction in patients with atypical right atrial flutter, 492
- Sudden cardiac death**
- ACC/AHA/ESC 2006 guidelines for management of patients with ventricular arrhythmias and the prevention of sudden cardiac death—executive summary, 1064
- Effects of statin therapy on arrhythmic events and survival in patients with nonischemic dilated cardiomyopathy, 1228
- Novel locus for dilated cardiomyopathy, diffuse myocardial fibrosis, and sudden death on chromosome 10q25-26, 106
- Predictive value of microvolt T-wave alternans for sudden cardiac death in patients with preserved cardiac function after acute myocardial infarction: results of a collaborative cohort study, 2268
- Prolonged QTc interval and sudden cardiac death in older adults (letter), 1473
- Seasonality and daily weather conditions in relation to myocardial infarction and sudden cardiac death in Olmsted County, Minnesota, 1979 to 2002, 287
- Sulfaphenazole**
- Identification of a cytochrome P450 2C9-derived endothelium-derived hyperpolarizing factor in essential hypertensive patients, 508
- Syncope**
- Effectiveness of physical counterpressure maneuvers in preventing vasovagal syncope, 1652
- Norepinephrine transporter inhibition prevents tilt-induced pre-syncope, 516
- SYNERGY trial**
- Subgroup analysis of the impact of prerandomization antithrombin therapy on outcomes in the SYNERGY trial, 1346
- Systolic asynchrony**
- Benefits of cardiac resynchronization therapy for heart failure patients with narrow QRS complexes and coexisting systolic asynchrony by echocardiography, 2251
- Systolic function**
- Examining the concept of preserved systolic function (letter), 2599
- Traditional cardiovascular risk factors for in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging: the Multi-Ethnic Study of Atherosclerosis, 2285
- Systolic heart failure**
- Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89
- T⁻⁷⁸⁶C single nucleotide polymorphism**
- T⁻⁷⁸⁶C endothelial nitric oxide synthase genotype predicts cardiovascular mortality in high-risk patients, 1166
- Tachycardia**
- Ablation of left ventricular epicardial outflow tract tachycardia from the distal great cardiac vein, 1813
- Telemetry**
- Real-time detection and alerting for acute ST elevation myocardial ischemia using an implantable high fidelity, ECG monitoring system with long-range telemetry in an ambulatory porcine model, 2306
- Telemonitoring**
- Noninvasive home telemonitoring: the Trans-European Network-Home-Care Management System (letter), 850
- Therapeutic effect**
- Using measures of disease progression to determine therapeutic effect, 434
- Three-dimensional echocardiography**
- Three-dimensional echocardiography: the benefits of the additional dimension, 2053
- Transesophageal real-time three-dimensional echocardiography: methods and initial in vitro and human in vivo studies, 2070
- Thrombectomy**
- Rheolytic thrombectomy with percutaneous coronary intervention for infarct size reduction in acute myocardial infarction, 244
- Thrombophilia**
- Young adult myocardial infarction and ischemic stroke, 686
- Thrombopoietin**
- Thrombopoietin contributes to enhanced platelet activation in patients with unstable angina, 2195
- Thrombosis**
- Drug-eluting stent thrombosis (editorial), 203
- Pathology of drug-eluting stents in humans, 193
- Thrombus aspiration**
- Thrombus aspiration before primary angioplasty improves myocardial reperfusion in acute myocardial infarction, 1552
- Thrombus aspiration reduces microvascular obstruction after primary coronary intervention, 1355
- Tilt-induced pre-syncope**
- Norepinephrine transporter inhibition prevents tilt-induced pre-syncope, 516
- Tissue inhibitor of matrix metalloproteinase-1**
- Alterations in the pattern of collagen deposition may contribute to the deterioration of systolic function in hypertensive patients with heart failure, 89
- Tissue tagging**
- Myocardial strain and torsion quantified by cardiovascular magnetic resonance tissue tagging: studies in normal and impaired left ventricular function, 2002
- Torcetrapib**
- Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in individuals with below-average high-density lipoprotein cholesterol levels, 1774
- Efficacy and safety of torcetrapib, a novel cholesteryl ester transfer protein inhibitor, in individuals with below-average high-density lipoprotein cholesterol levels on a background of atorvastatin, 1782
- Torsades de pointes**
- Arrhythmia predisposition: between rare disease paradigms and common ion channel gene variants, A67
- Beat-to-beat variability of repolarization determines proarrhythmic outcome in dogs susceptible to drug-induced torsades de pointes, 1268
- Cumulative experience of azimilide-associated torsades de pointes ventricular tachycardia in

- the 19 clinical studies comprising the azimilide database, 471
- Transesophageal echocardiography**
Cardiac magnetic resonance imaging and transesophageal echocardiography in patients with transcatheter closure of patent foramen ovale, 322
Head-to-head comparison of two-dimensional and three-dimensional transthoracic echocardiography and transesophageal echocardiography in the localization of mitral valve prolapse, 2523
Transesophageal real-time three-dimensional echocardiography: methods and initial in vitro and human in vivo studies, 2070
- Transient midventricular ballooning syndrome**
Transient midventricular ballooning syndrome, 579
- Transmural dispersion of repolarization**
Effects of beta-blocker therapy on ventricular repolarization documented by 24-h electrocardiography in patients with type 1 long-QT syndrome, 747
- Transplantation**
Cardiac allograft vasculopathy in heart transplant patients (editorial), 462
Detection of transplant coronary artery disease using multidetector computed tomography with adaptive multisegment reconstruction, 772
Potential hazards and technical considerations associated with myocardial cell transplantation protocols for ischemic myocardial syndrome, 1519
Testing regeneration of human myocardium without knowing the identity and the number of effective bone marrow cells transplanted: are the results meaningful? (letter), 417
- Transradial catheterization**
Is Allen's test accurate for patients considered for transradial coronary angiography? (letter), 1287
Use of Allen's test and transradial catheterization (letter), 1287
- Transthoracic echocardiography**
Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging, 2034
Head-to-head comparison of two-dimensional and three-dimensional transthoracic echocardiography and transesophageal echocardiography in the localization of mitral valve prolapse, 2523
- Trends**
Of statistical significance: "trends" toward significance and optimism bias (letter), 1471
- Treprostinil**
Favorable effects of inhaled treprostinil in severe pulmonary hypertension, 1672
Safety and efficacy of inhaled treprostinil as add-on therapy to bosentan in pulmonary arterial hypertension, 1433
- Trimetazidine**
Metabolic approach in heart failure (editorial), 999
Randomized clinical trial of trimetazidine, a partial free fatty acid oxidation inhibitor, in patients with heart failure, 992
- Troponin**
Cardiac troponin T at 96 hours after acute myocardial infarction correlates with infarct size and cardiac function, 2192
- Isolated elevation in troponin T after percutaneous coronary intervention is associated with higher long-term mortality, 1765
Model for troponin I as a quantitative predictor of in-hospital mortality, 1755
Troponin trumps common sense (letter), 2357
Troponin-T and N-terminal pro-B-type natriuretic peptide predict mortality benefit from coronary revascularization in acute coronary syndromes, 1146
- Tumor necrosis factor- α**
Activation of p38 mitogen-activated protein kinase contributes to the early cardiodepressant activity of tumor necrosis factor, 545
Effect of clopidogrel with and without eptifibatid on tumor necrosis factor-alpha and C-reactive protein release after elective stenting: results from the CLEAR PLATELETS-1b study, 2186
p38 mitogen-activated protein kinase (editorial), 556
- Two-dimensional strain rate imaging**
Differentiation of subendocardial and transmural infarction using two-dimensional strain rate imaging to assess short-axis and long-axis myocardial function, 2026
- Ultrasound**
See also Intravascular ultrasound
Assessment of left ventricular function by cardiac ultrasound, 2012
Contrast ultrasound imaging of the carotid artery vasa vasorum and atherosclerotic plaque neovascularization, 236
Noninvasive low-frequency ultrasound energy causes vasodilation in humans, 532
- Unstable angina**
Thrombopoietin contributes to enhanced platelet activation in patients with unstable angina, 2195
- Vaccinations**
Influenza vaccination as secondary prevention for cardiovascular disease, 1498
- Valve replacement**
Repositionable valved stent for endovascular treatment of deteriorated bioprostheses, 1365
- Valved stent**
Repositionable valved stent for endovascular treatment of deteriorated bioprostheses, 1365
- Valvular heart disease**
ACC/AHA 2006 practice guidelines for the management of patients with valvular heart disease: executive summary, 598
- Vascular endothelial function**
Effect of exertional hypertension evoked by weight lifting on vascular endothelial function (correspondence), 588
- Vascular endothelial growth factor**
Atorvastatin increases plasma soluble Fms-like tyrosine kinase-1 and decreases vascular endothelial growth factor and placental growth factor in association with improvement of ventricular function in acute myocardial infarction, 43
- Vascular surgery**
Should major vascular surgery be delayed because of preoperative cardiac testing in intermediate-risk patients receiving beta-blocker therapy with tight heart rate control?, 964
- Vasodilation**
Noninvasive low-frequency ultrasound energy causes vasodilation in humans, 532
- Vasovagal syncope**
Effectiveness of physical counterpressure maneuvers in preventing vasovagal syncope, 1652
- Venous-to-arterial circulation shunts**
Young adult myocardial infarction and ischemic stroke, 686
- Ventricular arrhythmias**
"Indeterminate" microvolt T-wave alternans tests predict high risk of death or sustained ventricular arrhythmias in patients with left ventricular dysfunction, 1399
- Ventricular dyssynchrony**
Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642
- Ventricular fibrillation**
Benefit of combined resynchronization and defibrillator therapy in heart failure patients with and without ventricular arrhythmias, 464
Comparison of empiric to physician-tailored programming of implantable cardioverter-defibrillators, 330
Effects of cocaine intoxication on the threshold for stun gun induction of ventricular fibrillation, 805
- Ventricular pacing**
Abnormal conduction increases risk of adverse outcomes from right ventricular pacing, 1628
Right ventricular pacing can induce ventricular dyssynchrony in patients with atrial fibrillation after atrioventricular node ablation, 1642
Selection of permanent ventricular pacing site (editorial), 1649
Ventricular pacing lead location alters systemic hemodynamics and left ventricular function in patients with and without reduced ejection fraction, 1634
- Ventricular pre-excitation**
Single-beat noninvasive imaging of cardiac electrophysiology of ventricular pre-excitation, 2045
- Ventricular repolarization**
Effects of beta-blocker therapy on ventricular repolarization documented by 24-h electrocardiography in patients with type 1 long-QT syndrome, 747
- Ventricular tachycardia**
Comparison of empiric to physician-tailored programming of implantable cardioverter-defibrillators, 330
Cumulative experience of azimilide-associated torsades de pointes ventricular tachycardia in the 19 clinical studies comprising the azimilide database, 471
Role of Purkinje fibers in post-infarction ventricular tachycardia, 2499
- Verapamil**
Attenuation of the negative inotropic effects of metoprolol at short cycle lengths in humans, 1234
Verapamil versus digoxin and acute versus routine serial cardioversion for the improvement of rhythm control for persistent atrial fibrillation, 1001
- Vessel size**
Vessel size and outcome after coronary drug-eluting stent placement, 1304
- Viral cardiomyopathy**
Neuregulin-1/erbB-activation improves cardiac function and survival in models of ischemic, dilated, and viral cardiomyopathy, 1438

Walnuts

Acute effects of high-fat meals enriched with walnuts or olive oil on postprandial endothelial function, 1666

Weather

Seasonality and daily weather conditions in relation to myocardial infarction and sudden cardiac death in Olmsted County, Minnesota, 1979 to 2002, 287

Wild-type apolipoprotein A-I

Bone marrow transplantation shows superior atheroprotective effects of gene therapy with apolipoprotein A-I Milano compared with wild-type apolipoprotein A-I in hyperlipidemic mice, 1459

Women

See also Gender

Effects of metformin on microvascular function and exercise tolerance in women with angina and normal coronary arteries, 956

Insulin resistance as a determinant of platelet activation in obese women, 2530

Is plasma oxidized low-density lipoprotein, measured with the widely used antibody 4E6, an independent predictor of coronary heart disease among U.S. men and women?, 973

Management of women with acute coronary syndromes (letter), 2356

Relative strength of C-reactive protein and lipid levels as

determinants of ischemic stroke as compared to coronary heart disease in women, 2235

Ximelagatran

Trials and tribulations of noninferiority: the ximelagatran experience (letter), 1058

X-ray exposure

Variability in fluoroscopic X-ray exposure in contemporary cardiac catheterization laboratories, 1361

Zotarolimus-eluting stents

Comparison of zotarolimus-eluting stents and sirolimus-eluting stents in patients with native coronary artery disease: a randomized controlled trial, 2440