

Subject Index: Volume 35

Abciximab

- Abciximab reduces mortality in diabetics following percutaneous coronary intervention, 922
- Effect of glycoprotein IIb/IIIa receptor blockade with abciximab on clinical and angiographic stenosis rate after the placement of coronary stents following acute myocardial infarction, 915

Ablation

- See also* Radiofrequency ablation; Surgery
- Catheter ablation of ventricular tachycardia in patients with structural heart disease using cooled RF energy, 1905
- Efficacy and safety of catheter ablation in octogenarians, 458
- Epicardial approach to the ablation of ventricular tachycardia in coronary artery disease: an alternative or ancillary approach (editorial), 1450
- Mechanism, localization and cure of atrial arrhythmias occurring after a new intraoperative endocardial radiofrequency ablation procedure for atrial fibrillation, 442
- Nonsurgical transthoracic epicardial catheter ablation to treat recurrent ventricular tachycardia occurring later after myocardial infarction, 1442
- Prospective randomized comparison of antiarrhythmic therapy versus first-line radiofrequency ablation in patients with atrial flutter, 1898
- Radiofrequency catheter ablation of inappropriate sinus tachycardia guided by activation mapping, 451
- Radiofrequency catheter ablation of supraventricular tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428
- Tracking dynamic conduction recovery across the cavotricuspid isthmus, 1478

ACC

- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase I, 1370
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase II, 1380
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase 1769, 1388
- Newly elected members, 1053
- Predicting the future, 1361
- Role of the American College of Cardiology in promoting and maintaining the delivery of quality cardiovascular care in the future, 1100
- Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974

ACC news

- ACC at 50: a giant grew in Bethesda (editorial), 60B, 1061
- ACC forum on the future: delivering quality care in the 21st century (historical article), 55B
- Board of Governors, 1398
- President's page: ACC takes strategic steps to address members' needs, 1989
- President's page: accountability 2000, 804
- President's page: back to the future: part 1769, 534
- President's page: convocation address, 1694
- President's page: health care coverage for adults with congenital heart disease: strong, steady steps, 255
- President's page: U.S. healthcare system 2010: problems, principles, and potential solutions, 1048

Acetylcholine

- Effects of bradykinin on coronary blood flow and vasomotion in transplant patients, 1607
- Vascular actions of brain natriuretic peptide: modulation by atherosclerosis and neural endopeptidase inhibition, 796

Acute coronary syndromes

- Angiographic morphology and the pathogenesis of unstable angina pectoris (historical article), 52B
- Low molecular weight heparin in acute coronary syndrome: evidence for superior or equivalent efficacy compared with unfractionated heparin?, 1699
- Morphology of vulnerable coronary plaque: insights from follow-up of patients examined by intravascular ultrasound before an acute coronary syndrome, 106
- Serum amyloid A predicts early mortality in acute coronary syndromes: a TIMI 11A substudy, 358
- Serum neopterin and complex stenosis morphology in patients with unstable angina, 956
- Task force 2: acute coronary syndromes: section 2A—prehospital issues, 846, 853

Acute myocardial infarction

- See* Myocardial infarction

Adenosine

- Low-dose dipyridamole infusion acutely increases exercise capacity in angina pectoris, 83
- Preconditioning, collateral recruitment and adenosine (letter), 259

Adenosine blockers

- Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56

Adverse cardiac events

- Longitudinal straightening effect of stents is an additional predictor for major adverse cardiac events, 1580

Age of patient

- See* Elderly; Infants; Pediatric cardiology

AHA

- Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the

- American College of Cardiology/American Heart Association guidelines, 974

Alcohol consumption

- Early changes in left ventricular function in chronic asymptomatic alcoholics: relation to the duration of heavy drinking, 1599
- Light-to-moderate alcohol consumption and mortality in the Physicians' Health Study Enrollment Cohort, 96
- Light-to-moderate alcohol consumption and prognosis in patients with left ventricular systolic dysfunction, 1753

American College of Cardiology

- See* ACC

American Heart Association

- See* AHA

Amino acids

- Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation, 706
- Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271

Amiodarone

- Depressed heart rate variability identifies postinfarction patients who might benefit from prophylactic treatment with amiodarone, 1263

Amlodipine

- Restenosis and clinical outcome in patients treated with amlodipine after angioplasty: results from the Coronary AngioPlasty Amlodipine REStenosis Study (CAPARES), 592

Anatomy

- Heart failure from the point of view of quantitative anatomy (historical article), 6B
- Stereolithographic biomodeling to create tangible hard copies of cardiac structures from echocardiographic data, 230

Anemia

- Use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalization, 1737

Angina pectoris

- See also* Chest pain
- Angiographic morphology and the pathogenesis of unstable angina pectoris (historical article), 52B
- Clinical significance of increased plasma concentration of macrophage colony-stimulating factor in patients with angina pectoris, 655
- Coronary microcirculatory vasoconstriction during ischemia in patients with unstable angina, 327
- Exercise-induced U-wave alterations as a marker of well-developed and well-functioning collateral vessels in patients with effort angina, 757
- Improvement of endothelial function and insulin sensitivity with vitamin C in patients with coronary spastic angina: possible role of reactive oxygen species, 1860
- Low-dose dipyridamole infusion acutely increases exercise capacity in angina pectoris, 83

- Low molecular weight heparin in acute coronary syndrome: evidence for superior or equivalent efficacy compared with unfractionated heparin?, 1699
- Natural history of angina pectoris (historical article), 2B
- Pericardial fluid from patients with unstable angina induces vascular endothelial cell apoptosis, 1785
- Plaque inflammation in restenotic coronary lesions of patients with stable or unstable angina, 963
- Predictive value of C-reactive protein and troponin T in patients with unstable angina: a comparative analysis, 1535
- Quality of life after coronary angioplasty or continued medical treatment for angina: three-year follow-up in the RITA-2 trial, 907
- Serum neopterin and complex stenosis morphology in patients with unstable angina, 956
- Transmyocardial revascularization with CO₂ laser in patients with refractory angina pectoris, 1170
- Variant angina: one aspect of a continuous spectrum of vasospastic myocardial ischemia. Pathogenetic mechanisms, estimated incidence and clinical arteriographic findings in 138 patients (historical article), 4B
- Angiogenesis**
- Electromagnetic guidance for catheter-based transendocardial injection: a platform for intramyocardial angiogenesis therapy, 1031
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Angiography**
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase I, 1370
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase II, 1380
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase 1769, 1388
- Angiographic morphology and the pathogenesis of unstable angina pectoris (historical article), 52B
- Can angiography predict the vulnerable lesion that progresses to myocardial infarction (letter), 261
- Cardiac troponin T in chest pain unit patients without ischemic electrocardiographic changes: angiographic correlates and long-term clinical outcomes, 1827
- Clinical and angiographic outcomes in patients with previous coronary artery bypass graft surgery treated with primary balloon angioplasty for acute myocardial infarction, 605
- Does coronary angiography before emergency aortic surgery affect in-hospital mortality?, 889
- Early angiography versus conservative treatment in patients with non-ST elevation acute myocardial infarction, 895
- Effect of glycoprotein IIb/1769a receptor blockade with abciximab on clinical and angiographic restenosis rate after the placement of coronary stents following acute myocardial infarction, 915
- Influence of treatment modality on angiographic outcome after coronary stenting in diabetic patients: a controlled study, 1554
- Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974
- Angioma**
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Angioplasty**
- See* Balloon angioplasty; Percutaneous transluminal coronary angioplasty
- Angiotensin-converting enzyme**
- Increased expression of extracellular signal-regulated kinase and angiotensin-converting enzyme in human atria during atrial fibrillation, 1669
- Angiotensin-converting enzyme inhibitors**
- See also* specific agent
- Angiotensin-converting Enzyme Inhibition Post Revascularization Study (APRES), 881
- Aspirin—angiotensin-converting enzyme inhibitor tradeoff: to halve and halve not (editorial), 1808
- Clinical effects of angiotensin-converting enzyme inhibitor treatment for acute myocardial infarction are similar in the presence and absence of aspirin: systematic overview of individual data from 96,712 randomized patients, 1801
- Comparative effects of pretreatment with captopril and losartan on cardiovascular protection in a rat model of ischemia-reperfusion, 787
- Comparative study of ACE-Inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
- Comparison of angiotensin-converting enzyme inhibitors, calcium antagonists, beta-blockers, and diuretic agents on reactive hyperemia in patients with essential hypertension: a multicenter study, 284
- Is the lower mortality in patients treated with aspirin and angiotensin-converting enzyme inhibitors due to decreased norepinephrine release? (letter), 817
- Angiotensin I converting enzyme**
- Interactions between angiotensin-I converting enzyme insertion/deletion polymorphism and response of plasma lipids and coronary atherosclerosis to treatment with fluvastatin, 89
- Angiotensin II**
- Angiotensin II type 1 receptor antagonist decreases plasma levels of tumor necrosis factor alpha, interleukin-6 and soluble adhesion molecules in patients with chronic heart failure, 714
- Comparative study of ACE-Inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
- Animal models and studies**
- Comparative effects of pretreatment with captopril and losartan on cardiovascular protection in a rat model of ischemia-reperfusion, 787
- Coronary vascular responses to short-term cocaine administration in conscious baboons compared with dogs, 1347
- Cytokine-induced nitric oxide production inhibits mitochondrial energy production and impairs contractile function in rat cardiac myocytes, 1338
- Determination of refractory periods and conduction velocity during atrial fibrillation using atrial capture in dogs: direct assessment of the wavelength and its modulation by a sodium channel blocker, pilsicainide, 246
- Early postoperative changes in regional systolic and diastolic left ventricular function after transmyocardial laser revascularization, 1022
- Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331
- Intracoronary basic fibroblast growth factor enhances myocardial collateral perfusion in dogs, 519
- Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040
- Plant-derived estrogens relax coronary arteries in vivo by a calcium antagonistic mechanism, 1977
- Response to incremental doses of dobutamine early after reperfusion is predictive of the degree of myocardial salvage in dogs with experimental acute myocardial infarction, 1960
- Single-beat determination of preload recruitable stroke work relationship: derivation and evaluation in conscious dogs, 502
- Survival with full neurologic recovery and no cerebral pathology after prolonged cardiopulmonary resuscitation with vasopressin in pigs, 527
- Antiarrhythmic agents**
- Atrial flutter in the perinatal age group: diagnosis, management and outcome, 771
- Prospective randomized comparison of antiarrhythmic therapy versus first-line radiofrequency ablation in patients with atrial flutter, 1898
- Anticoagulants**
- See also* Heparin; Aspirin
- Aspirin—angiotensin-converting enzyme inhibitor tradeoff: to halve and halve not (editorial), 1808
- Clinical effects of angiotensin-converting enzyme inhibitor treatment for acute myocardial infarction are similar in the presence and absence of aspirin: systematic overview of individual data from 96,712 randomized patients, 1801
- Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739
- Low molecular weight heparin in acute coronary syndrome: evidence for superior or equivalent efficacy compared with unfractionated heparin?, 1699
- Randomized trial comparing heparin initiation 6 or 24 h after pacemaker or defibrillator implantation, 1915
- Stroke with intermittent atrial fibrillation: incidence and predictors during aspirin therapy, 183
- Antimyosin autoantibodies**
- Antimyosin autoantibodies are associated with deterioration of systolic and diastolic left

ventricular function in patients with chronic myocarditis, 11

Antioxidants

- See also specific antioxidants; Vitamins
Effects of vitamin E on chronic and acute endothelial dysfunction in smokers, 277
Improvement of endothelial function and insulin sensitivity with vitamin C in patients with coronary spastic angina: possible role of reactive oxygen species, 1860
Large, sustained cardiac lipid peroxidation and reduced antioxidant capacity in the coronary circulation after brief episodes of myocardial ischemia, 633
Oral vitamin C and endothelial function in smokers: short-term improvement, but no sustained beneficial effect, 1616

Aorta

- See also Coarctation of the aorta
Atheromas of the thoracic aorta: clinical and therapeutic uptake, 545
Ultrasonographic demonstration of manipulation-related aortic injuries after cardiac surgery, 1303

Aortic stenosis

- Pressure recovery and aortic stenosis (letter), 260

Aortic valve

- Natural history of aortic and mitral valve disease (historical article), 32B
Observed and relative survival after aortic valve replacement, 747

Aortoostial lesions

- Comparison of debulking followed by stenting versus stenting alone for saphenous vein graft aortoostial lesions: immediate and one-year clinical outcomes, 1560

Apolipoprotein E

- Apolipoprotein E genotype: epsilon32 women are protected while epsilon43 and epsilon44 men are susceptible to ischemic heart disease, 1192

Apoptosis

- Pericardial fluid from patients with unstable angina induces vascular endothelial cell apoptosis, 1785
Upregulation of the Bcl-2 family of proteins in end stage heart failure, 1769

Arrhythmias

- Atrial flutter in the perinatal age group: diagnosis, management and outcome, 771
Beta-blockers and ventricular arrhythmias in dilated cardiomyopathy (letter), 1993
Combined assessment of T-wave alternans and late potential used to predict arrhythmic events after myocardial infarction, 722
Differential effects of beta-adrenergic agonists and antagonists in LQT1, LQT2 and LQT3 models of the long QT syndrome, 778
Mechanism, localization and cure of atrial arrhythmias occurring after a new intraoperative endocardial radiofrequency ablation procedure for atrial fibrillation, 442

Arterial trunk

- Reinterventions after repair of common arterial trunk in neonates and young infants, 1317

Arteries

- See Blood flow; Collateral vessels; Coronary arteries

Arteriography

- Variant angina: one aspect of a continuous spectrum of vasospastic myocardial ischemia. Pathogenetic mechanisms, estimated incidence and clinical arteriographic findings in 138 patients (historical article), 4B

Aspirin

- Aspirin-angiotensin-converting enzyme inhibitor

tradeoff: to halve and halve not (editorial), 1808

Clinical effects of angiotensin-converting enzyme inhibitor treatment for acute myocardial infarction are similar in the presence and absence of aspirin: systematic overview of individual data from 96,712 randomized patients, 1801

Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739

Is the lower mortality in patients treated with aspirin and angiotensin-converting enzyme inhibitors due to decreased norepinephrine release? (letter), 817

Stroke with intermittent atrial fibrillation: incidence and predictors during aspirin therapy, 183

Atherectomy

Application of a continuous regression model of restenosis to saphenous vein grafts after successful percutaneous transluminal coronary angioplasty or directional coronary atherectomy, 619

Plaque inflammation in restenotic coronary lesions of patients with stable or unstable angina, 963

Atheroma

Atheromas of the thoracic aorta: clinical and therapeutic uptake, 545

Atherosclerosis

- See also Coronary artery disease
Atheromas of the thoracic aorta: clinical and therapeutic uptake, 545
Dietary supplementation with marine omega-3 fatty acids improve systemic large artery endothelial function in subjects with hypercholesterolemia, 265
Effect of plaque debulking and stenting on short- and long-term outcomes after revascularization of chronic total occlusions, 151
Evolving role of statins in the management of atherosclerosis (review article), 1
Gemfibrozil, nicotinic acid and combination therapy in patients with isolated hypoalphalipoproteinemia: a randomized, open-label, crossover study, 640
Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185
Interactions between angiotensin-I converting enzyme insertion/deletion polymorphism and response of plasma lipids and coronary atherosclerosis to treatment with fluvastatin, 89
Lack of association of lipoprotein(a) levels with coronary calcium deposits in asymptomatic postmenopausal women, 314
Lipoprotein(a) is a risk factor for occurrence of acute myocardial infarction in patients with coronary vasospasm, 1200
Morphology of vulnerable coronary plaque: insights from follow-up of patients examined by intravascular ultrasound before an acute coronary syndrome, 106
Plaque inflammation in restenotic coronary lesions of patients with stable or unstable angina, 963
Procedural results and late clinical outcomes after percutaneous interventions using long (≥ 25 mm) versus short (< 20 mm) stents, 612
Seropositivity to chlamydial lipopolysaccharide and *Chlamydia pneumoniae*, systemic inflammation and stable coronary artery disease, 112
Serum insulin-like growth factor-I level is

independently associated with coronary artery disease progression in young male survivors of myocardial infarction: beneficial effects of bezafibrate treatment, 647

Vascular actions of brain natriuretic peptide: modulation by atherosclerosis and neural endopeptidase inhibition, 796

Athletes

Clinical profile of congenital coronary artery anomalies with origin from the wrong aortic sinus leading to sudden death in young competitive athletes, 1493

Atresia

Pulmonary atresia with intact ventricular septum percutaneous radiofrequency-assisted valvotomy and balloon dilation versus surgical valvotomy and Blalock Taussig shunt, 468

Atria

Clinical and echocardiographic characteristics of left atrial spontaneous echo contrast in sinus rhythm, 1932
Multisite pacing for prevention of atrial tachyarrhythmias: potential mechanisms, 1939

Atrial fibrillation

- Atrial pacing for the prevention of atrial fibrillation after cardiovascular surgery, 1416
Atrial pacing for the prevention of postoperative atrial fibrillation: how and where to pace? (editorial), 1423
Cross-sectional and diurnal study of thrombogenesis among patients with chronic atrial fibrillation, 1926
Determination of refractory periods and conduction velocity during atrial fibrillation using atrial capture in dogs: direct assessment of the wavelength and its modulation by a sodium channel blocker, pilsicainide, 246
Effective prevention of atrial fibrillation by continuous atrial overdrive pacing after coronary artery bypass surgery, 1411
Increased expression of extracellular signal-regulated kinase and angiotensin-converting enzyme in human atria during atrial fibrillation, 1669
Intravenous sotalol decreases transthoracic cardioversion energy requirement for chronic atrial fibrillation in humans: assessment of the electrophysiological effects by biatrial basket electrodes, 1434
Mechanism, localization and cure of atrial arrhythmias occurring after a new intraoperative endocardial radiofrequency ablation procedure for atrial fibrillation, 442
Mechanisms of atrial fibrillation: is a cure at hand? (editorial), 1687
Natriuretic peptide levels in atrial fibrillation, 1256
Prediction of paroxysmal atrial fibrillation in patients with congestive heart failure: a prospective study, 403
Spontaneous episodes of atrial fibrillation after implantation of the Metrix Atrioverter: observations on treated and nontreated episodes, 1428
Stroke with intermittent atrial fibrillation: incidence and predictors during aspirin therapy, 183
- #### Atrial flutter
- Atrial flutter in the perinatal age group: diagnosis, management and outcome, 771
Body surface mapping of counterclockwise and clockwise typical atrial flutter: a comparison analysis with endocardial activation sequence mapping, 1276
Prospective randomized comparison of antiarrhythmic therapy versus first-line

- radiofrequency ablation in patients with atrial flutter, 1898
- Tracking dynamic conduction recovery across the cavotricuspid isthmus, 1478
- Atrial septal defects**
- Pulmonary blood flow alters nitric oxide production in patients undergoing device closure of atrial septal defects, 463
- Autoantibodies**
- Antimyosin autoantibodies are associated with deterioration of systolic and diastolic left ventricular function in patients with chronic myocarditis, 11
- Balloon angioplasty**
- Balloon angioplasty of native coarctation: clinical outcomes and predictors of success, 988
- Balloon angioplasty of postsurgical reoarctation in infants, 207
- Comparison of systematic stenting and conventional balloon angioplasty during primary percutaneous transluminal coronary angioplasty for acute myocardial infarction, 1729
- Greater late lumen loss after successful coronary balloon angioplasty in the proximal left anterior descending coronary artery is not explained by extent of vessel wall damage or plaque burden, 382
- Immediate and late outcomes after direct stent implantation without balloon predilation, 937
- Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331
- In-stent restenosis: long-term outcome and predictors of subsequent target lesion revascularization after repeat balloon angioplasty, 1569
- Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040
- BANFF Study**
- Comparative study of ACE-inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
- Endothelium: a new target for cardiovascular therapies (editorial comment), 67
- Baroreflex sensitivity**
- Baroreflex sensitivity and variants of the renin angiotensin system genes, 194
- Beta-adrenergic blockers**
- Beta-blockers and ventricular arrhythmias in dilated cardiomyopathy (letter), 1993
- Comparison of angiotensin-converting enzyme inhibitors, calcium antagonists, beta-blockers, and diuretic agents on reactive hyperemia in patients with essential hypertension: a multicenter study, 284
- Differential effects of beta-adrenergic agonists and antagonists in LQT1, LQT2 and LQT3 models of the long QT syndrome, 778
- Hemodynamic comparison of twice daily metoprolol tartrate with once daily metoprolol succinate in congestive heart failure, 45
- Bezafibrate**
- Serum insulin-like growth factor-I level is independently associated with coronary artery disease progression in young male survivors of myocardial infarction: beneficial effects of bezafibrate treatment, 647
- BG9719**
- Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56
- Bifurcation lesions**
- Bifurcation lesions: two stents versus one stent—immediate and follow-up results, 1145
- Immediate and long-term outcome of intracoronary stent implantation for true bifurcation lesions, 929
- Blood flow**
- See also* Collateral vessels; Coronary arteries
- Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654
- Coronary flow reserve assessment from average peak velocity profiles alone must be judged with caution (letter), 1363
- Coronary flow velocity immediately after primary coronary stenting as a predictor of ventricular wall motion recovery in acute myocardial infarction, 1835
- Corrected coronary flow velocity reserve: a new concept for assessing coronary perfusion, 1713
- Does flow reserve match contractility (letter), 258
- Effects of bradykinin on coronary blood flow and vasomotion in transplant patients, 1607
- Expiratory flow limitation as a determinant of orthopnea in acute left heart failure, 690
- Pressure-derived fractional collateral blood flow: a primary determinant of left ventricular recovery after reperfused acute myocardial infarction, 949
- Regional myocardial blood flow in patients with sick sinus syndrome randomized to long-term single chamber atrial or dual chamber pacing—effect of pacing mode and rate, 1453
- Regional myocardial blood flow reserve impairment and metabolic changes suggesting myocardial ischemia in patients with idiopathic dilated cardiomyopathy, 19
- Reperfusion syndrome: relationship of coronary blood flow reserve to left ventricular function and infarct size, 1162
- Value of acceleration flow and the prestenotic to stenotic coronary flow velocity ratio by transthoracic color Doppler echocardiography in noninvasive diagnosis of restenosis after percutaneous transluminal coronary angioplasty, 164
- Blood pressure**
- See also* Hypertension
- Decrease in diastolic blood pressure combined with an increase in systolic blood pressure is associated with a higher cardiovascular mortality in men, 673
- Systolic versus diastolic blood pressure and risk of coronary heart disease (historical article), 10B
- Blood volume**
- Contracted plasma and blood volume in chronic heart failure, 51
- Bosentan**
- Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222
- Bradykinin**
- Effects of bradykinin on coronary blood flow and vasomotion in transplant patients, 1607
- Brain natriuretic peptide**
- Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040
- Natriuretic peptide levels in atrial fibrillation, 1256
- Vascular actions of brain natriuretic peptide: modulation by atherosclerosis and neural endopeptidase inhibition, 796
- Breathing**
- Effects of controlled breathing, mental activity and mental stress with or without verbalization on heart rate variability, 1462
- Bypass graft surgery**
- See* Coronary artery bypass graft surgery
- Calcium channel blockers**
- Comparative study of ACE-inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
- Comparison of angiotensin-converting enzyme inhibitors, calcium antagonists, beta-blockers, and diuretic agents on reactive hyperemia in patients with essential hypertension: a multicenter study, 284
- Restenosis and clinical outcome in patients treated with amlodipine after angioplasty: results from the Coronary AngioPlasty Amlodipine REStenosis Study (CAPARES), 592
- Captopril**
- Comparative effects of pretreatment with captopril and losartan on cardiovascular protection in a rat model of ischemia-reperfusion, 787
- Cardiac arrest**
- Task force 1: cardiac arrest, 932
- Cardiac output**
- Prolonged recovery of cardiac output after maximal exercise in patients with chronic heart failure, 1228
- Cardiogenic shock**
- Predictors of cardiogenic shock after thrombolytic therapy for acute myocardial infarction, 136
- Cardiology**
- Diabetes and the cardiologists: a call to action (editorial), 1130
- Full disclosure: the antidote to conflict of interest (editorial), 1693
- Future of cardiology: utilization and costs of care, 1092
- Technological advances and the next 50 years of cardiology, 81B, 1082
- Cardiomyopathy**
- See also* Hypertrophy
- Antimyosin autoantibodies are associated with deterioration of systolic and diastolic left ventricular function in patients with chronic myocarditis, 11
- Beta-blockers and ventricular arrhythmias in dilated cardiomyopathy (letter), 1993
- Development and evaluation of the Kansas City cardiomyopathy questionnaire: a new health status measure for heart failure, 1245
- Hemodynamic effects of immunoadsorption and subsequent immunoglobulin substitution in dilated cardiomyopathy, 1590
- Lack of association between polymorphisms of eight candidate genes and idiopathic dilated cardiomyopathy, 29
- Mercury and idiopathic dilated cardiomyopathy (letter), 819
- Morphology and significance of the left ventricular collagen network in young patients with hypertrophic cardiomyopathy and sudden cardiac death, 37
- Myocardial perfusion and sympathetic innervation in patients with hypertrophic cardiomyopathy, 1867
- Natural history of idiopathic dilated cardiomyopathy (historical article), 8B
- Peripartum cardiomyopathy: analysis of clinical

- outcome, left ventricular function, plasma levels of cytokines and Fas/APO-1, 701
- Prevalence and characteristics of dystrophin defects in adult male patients with dilated cardiomyopathy, 1760
- Prognostic value of heart rate variability in idiopathic dilated cardiomyopathy (letter), 1363
- Regional myocardial blood flow reserve impairment and metabolic changes suggesting myocardial ischemia in patients with idiopathic dilated cardiomyopathy, 19
- Ventricular contraction abnormalities in dilated cardiomyopathy: effect of biventricular pacing to correct interventricular dyssynchrony, 1221
- Cardiopulmonary resuscitation**
- Survival with full neurologic recovery and no cerebral pathology after prolonged cardiopulmonary resuscitation with vasopressin in pigs, 527
- Task force 1: cardiac arrest, 932
- Task force 3: special aspects of research conduct in the emergency setting: waiver of informed consent, 862
- Cardiovascular disease**
- Decrease in diastolic blood pressure combined with an increase in systolic blood pressure is associated with a higher cardiovascular mortality in men, 673
- Predicting the future (editorial), 1361
- Snoring and risk of cardiovascular disease in women, 308
- Cardioversion**
- Intravenous sotalol decreases transthoracic cardioversion energy requirement for chronic atrial fibrillation in humans: assessment of the electrophysiological effects by atrial basket electrodes, 1434
- Carotid artery**
- Safety and efficacy of elective carotid artery stenting in high-risk patients, 1721
- Catecholamines**
- Myocardial perfusion and sympathetic innervation in patients with hypertrophic cardiomyopathy, 1867
- Catheter**
- Catheter ablation of ventricular tachycardia in patients with structural heart disease using cooled RF energy, 1905
- Closure of patent foramen ovale for paradoxical emboli: intermediate-term risk of recurrent neurological events following transcatheter device placement, 1311
- Electromagnetic guidance for catheter-based transendocardial injection: a platform for intramyocardial angiogenesis therapy, 1031
- Further experience with transcatheter closure of the patent ductus arteriosus using the Amplatzer duct occluder, 1016
- Is it time to offer elective percutaneous treatment of the unprotected left main coronary artery? (editorial), 1551
- Nonsurgical transthoracic epicardial catheter ablation to treat recurrent ventricular tachycardia occurring later after myocardial infarction, 1442
- Radiofrequency catheter ablation of supraventricular tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428
- Cerebrovascular accident**
- See* Stroke
- Cesarean section**
- Routine elective cesarean section is not justified for women with mechanical heart valves (letter), 1365
- Chest pain**
- See also* Angina pectoris
- Cardiac troponin T in chest pain unit patients without ischemic electrocardiographic changes: angiographic correlates and long-term clinical outcomes, 1827
- Children**
- See* Pediatric cardiology
- Chlamydia pneumoniae**
- Seropositivity to chlamydial lipopolysaccharide and *Chlamydia pneumoniae*, systemic inflammation and stable coronary artery disease, 112
- Cholesterol**
- See also* Hypercholesterolemia; Lipoproteins
- Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76
- Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185
- Prevalence of coronary heart disease in the Framingham Offspring Study: role of lipoprotein cholesterol (historical article), 13B
- Cigarette smoking**
- See* Smoking
- Clearance**
- Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56
- Clinical studies**
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase I, 1370
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase II, 1380
- American College of Cardiology/European Society of Cardiology International Study of Angiographic Data Compression Phase 1769, 1388
- Angiotensin-converting Enzyme Inhibition Post Revascularization Study (APRES), 881
- Influence of treatment modality on angiographic outcome after coronary stenting in diabetic patients: a controlled study, 1554
- International Angiographic Compression Study, 1367
- Light-to-moderate alcohol consumption and mortality in the Physicians' Health Study Enrollment Cohort, 96
- Predictors of congestive heart failure in the elderly: the Cardiovascular Health Study, 1628
- Prevalence of coronary heart disease in the Framingham Offspring Study: role of lipoprotein cholesterol (historical article), 13B
- Coarctation of the aorta**
- Balloon angioplasty of native coarctation: clinical outcomes and predictors of success, 988
- Balloon angioplasty of postsurgical recoarctation in infants, 207
- Repaired coarctation: a "cost-effective" approach to identify complications in adults, 997
- Cocaine**
- Coronary vascular responses to short-term cocaine administration in conscious baboons compared with dogs, 1347
- Coenzyme Q**
- Lack of effect of coenzyme Q on left ventricular function in patients with congestive heart failure (letter), 816
- Collateral vessels**
- Exercise-induced U-wave alterations as a marker of well-developed and well-functioning collateral vessels in patients with effort angina, 757
- Functional significance of recruitable collaterals during temporary coronary occlusion evaluated by ^{99m}Tc-sestamibi single-photon emission computerized tomography, 624
- Colony-stimulating factors**
- Clinical significance of increased plasma concentration of macrophage colony-stimulating factor in patients with angina pectoris, 655
- Commissurotomy**
- Percutaneous mitral commissurotomy for restenosis after surgical commissurotomy, 1295
- Computed tomography**
- Role of thoracic ultrasonography for evaluation of patients with decompensated chronic heart failure, 1638
- Computers**
- Mapping and ablation of ventricular tachycardia guided by virtual electrograms using a noncontact, computerized mapping system, 414
- Conduction**
- Tracking dynamic conduction recovery across the cavotricuspid isthmus, 1478
- Conduction block**
- Multisite pacing for prevention of atrial tachyarrhythmias: potential mechanisms, 1939
- Conduction velocity**
- Determination of refractory periods and conduction velocity during atrial fibrillation using atrial capture in dogs: direct assessment of the wavelength and its modulation by a sodium channel blocker, pilsicainide, 246
- Conference proceedings**
- Emergency cardiac care: introduction, 830
- Congenital anomalies and defects**
- See also* Pediatric cardiology
- Balloon angioplasty of native coarctation: clinical outcomes and predictors of success, 988
- Clinical features and management of isolated cleft mitral valve in childhood, 764
- Clinical profile of congenital coronary artery anomalies with origin from the wrong aortic sinus leading to sudden death in young competitive athletes, 1493
- Closure of patent foramen ovale for paradoxical emboli: intermediate-term risk of recurrent neurological events following transcatheter device placement, 1311
- Differential effects of beta-adrenergic agonists and antagonists in LQT1, LQT2 and LQT3 models of the long QT syndrome, 778
- Early and intermediate-term complications of self-expanding stents limit its potential application in children with congenital heart disease, 1007
- Further experience with transcatheter closure of the patent ductus arteriosus using the Amplatzer duct occluder, 1016
- Reinterventions after repair of common arterial trunk in neonates and young infants, 1317
- "Repaired" aortic coarctation in adults: not a "simple" congenital heart defect (editorial), 1003
- Congenital heart disease**
- Health care coverage for adults with congenital

- heart disease: strong, steady steps (editorial), 255
- Pulmonary atresia with intact ventricular septum percutaneous radiofrequency-assisted valvotomy and balloon dilation versus surgical valvotomy and Blalock Taussig shunt, 468
- Congestive heart failure**
See Heart failure
- Contractility**
Cytokine-induced nitric oxide production inhibits mitochondrial energy production and impairs contractile function in rat cardiac myocytes, 1338
Does flow reserve match contractility (letter), 258
Ventricular contraction abnormalities in dilated cardiomyopathy: effect of biventricular pacing to correct interventricular dyssynchrony, 1221
- Contrast agents**
Contrast echocardiography clarifies uninterpretable wall motion in intensive care unit patients, 485
Improving the evaluation of left ventricular systolic function with intravenous perfluorocarbon ultrasound contrast: will suboptimal echocardiography become an endangered species? (editorial), 491
- Coronary arteries**
Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654
Catastrophic outcomes of noncardiac surgery soon after coronary stenting, 1288
Clinical profile of congenital coronary artery anomalies with origin from the wrong aortic sinus leading to sudden death in young competitive athletes, 1493
Coronary microcirculatory vasoconstriction during ischemia in patients with unstable angina, 327
Coronary vascular responses to short-term cocaine administration in conscious baboons compared with dogs, 1347
Dietary supplementation with marine omega-3 fatty acids improve systemic large artery endothelial function in subjects with hypercholesterolemia, 265
Effect of plaque debulking and stenting on short- and long-term outcomes after revascularization of chronic total occlusions, 151
Effects of bradykinin on coronary blood flow and vasomotion in transplant patients, 1607
Greater late lumen loss after successful coronary balloon angioplasty in the proximal left anterior descending coronary artery is not explained by extent of vessel wall damage or plaque burden, 382
Immediate and long-term outcome of intracoronary stent implantation for true bifurcation lesions, 929
Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331
Is it time to offer elective percutaneous treatment of the unprotected left main coronary artery? (editorial), 1551
Lipoprotein(a) is a risk factor for occurrence of acute myocardial infarction in patients with coronary vasospasm, 1200
Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040
Longitudinal straightening effect of stents is an additional predictor for major adverse cardiac events, 1580
Long-term clinical events following creatine kinase-myocardial band isoenzyme elevation after successful coronary stenting, 1134
Plant-derived estrogens relax coronary arteries in vitro by a calcium antagonistic mechanism, 1977
Polymeric-based perivascular delivery of a nitric oxide donor inhibits intimal thickening after balloon denudation arterial injury: role of nuclear factor-kappaB, 493
Prognostic implications of TIMI flow grade in the infarct related artery compared with continuous 12-lead ST-segment resolution analysis, 666
Reperfusion syndrome: relationship of coronary blood flow reserve to left ventricular function and infarct size, 1162
Value of acceleration flow and the prestenotic to stenotic coronary flow velocity ratio by transthoracic color Doppler echocardiography in noninvasive diagnosis of restenosis after percutaneous transluminal coronary angioplasty, 164
- Coronary artery bypass graft surgery**
Atrial pacing for the prevention of postoperative atrial fibrillation: how and where to pace? (editorial), 1423
Clinical and angiographic outcomes in patients with previous coronary artery bypass graft surgery treated with primary balloon angioplasty for acute myocardial infarction, 605
Effective prevention of atrial fibrillation by continuous atrial overdrive pacing after coronary artery bypass surgery, 1411
Eight-year mortality in the Emory Angioplasty versus Surgery Trial (EAST), 1116
Outcomes of cardiac surgery in patients age \geq 80 years: results from the National Cardiovascular Network, 731
Seven-year outcome in the Bypass Angioplasty Revascularization Investigation (BARI) by treatment and diabetic status, 1122
- Coronary artery disease**
See also Atherosclerosis; Coronary heart disease
Blood glucose and platelet-dependent thrombosis in patients with coronary artery disease, 300
Catastrophic outcomes of noncardiac surgery soon after coronary stenting, 1288
Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76
Clinical significance of increased plasma concentration of macrophage colony-stimulating factor in patients with angina pectoris, 655
Comparative study of ACE-inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
Early postoperative changes in regional systolic and diastolic left ventricular function after transmyocardial laser revascularization, 1022
End-diastolic wall thickness as a predictor of recovery of function in myocardial hibernation, 1152
Epicardial approach to the ablation of ventricular tachycardia in coronary artery disease: an alternative or ancillary approach (editorial), 1450
Evolving role of statins in the management of atherosclerosis (review article), 1
- Identification of severe coronary artery disease in patients with abnormal coronary territory on exercise thallium-201 imaging, 335
Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185
Interactions between angiotensin-I converting enzyme insertion/deletion polymorphism and response of plasma lipids and coronary atherosclerosis to treatment with fluvastatin, 89
Phytoestrogens and cardiovascular health (review), 1403
Platelet glycoprotein IIb/IIIa receptor blockade in coronary artery disease (review), 1103
Risk stratification in unstable coronary artery disease, 1791
Seropositivity to chlamydial lipopolysaccharide and *Chlamydia pneumoniae*, systemic inflammation and stable coronary artery disease, 112
Serum insulin-like growth factor-I level is independently associated with coronary artery disease progression in young male survivors of myocardial infarction: beneficial effects of bezafibrate treatment, 647
Serum neopterin and complex stenosis morphology in patients with unstable angina, 956
Three minute, but not one minute, ischemia and nicorandil have a preconditioning effect in patients with coronary artery disease, 345
- Coronary care unit**
Treatment of myocardial infarction in a coronary care unit: a two-year experience with 250 patients (historical article), 49B
- Coronary flow reserve**
Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654
Coronary flow reserve assessment from average peak velocity profiles alone must be judged with caution (letter), 1363
Corrected coronary flow velocity reserve: a new concept for assessing coronary perfusion, 1713
Does flow reserve match contractility (letter), 258
Reperfusion syndrome: relationship of coronary blood flow reserve to left ventricular function and infarct size, 1162
- Coronary heart disease**
See also Coronary artery disease
Catheter ablation of ventricular tachycardia in patients with structural heart disease using cooled RF energy, 1905
Mild hypercholesterolemia and premature heart disease: do the national criteria underestimate disease risk?, 1178
Prevalence of coronary heart disease in the Framingham Offspring Study: role of lipoprotein cholesterol (historical article), 13B
Systolic versus diastolic blood pressure and risk of coronary heart disease (historical article), 10B
Task force 2: acute coronary syndromes: section 2A—prehospital issues, 846, 853
- Coronary syndromes**
Angiographic morphology and the pathogenesis of unstable angina pectoris (historical article), 52B
Low molecular weight heparin in acute coronary syndrome: evidence for superior or equivalent efficacy compared with unfractionated heparin?, 1699
Morphology of vulnerable coronary plaque: insights from follow-up of patients examined by

- intravascular ultrasound before an acute coronary syndrome, 106
- Serum amyloid A predicts early mortality in acute coronary syndromes: a TIMI 11A substudy, 358
- Serum neopterin and complex stenosis morphology in patients with unstable angina, 956
- Task force 2: acute coronary syndromes: section 2A—prehospital issues, 846, 853
- C-reactive protein**
- Predictive value of C-reactive protein and troponin T in patients with unstable angina: a comparative analysis, 1535
- Creatine kinase**
- Long-term clinical events following creatine kinase-myocardial band isoenzyme elevation after successful coronary stenting, 1134
- Cytochalasin B**
- Vascular remodeling and the local delivery of cytochalasin B after coronary angioplasty in humans, 583
- Cytokines**
- Angiotensin II type 1 receptor antagonist decreases plasma levels of tumor necrosis factor alpha, interleukin-6 and soluble adhesion molecules in patients with chronic heart failure, 714
- Cytokine-induced nitric oxide production inhibits mitochondrial energy production and impairs contractile function in rat cardiac myocytes, 1338
- Peripartum cardiomyopathy: analysis of clinical outcome, left ventricular function, plasma levels of cytokines and Fas/APO-1, 701
- Role of tumor necrosis factor in the pathophysiology of heart failure (review), 537
- Debulking**
- Comparison of debulking followed by stenting versus stenting alone for saphenous vein graft aortoostial lesions: immediate and one-year clinical outcomes, 1560
- Effect of plaque debulking and stenting on short- and long-term outcomes after revascularization of chronic total occlusions, 151
- Defibrillation**
- High dispersion of ventricular repolarization after an implantable defibrillator shock predicts induction of ventricular fibrillation as well as unsuccessful defibrillation, 422
- Randomized trial comparing heparin initiation 6 or 24 h after pacemaker or defibrillator implantation, 1915
- Spontaneous episodes of atrial fibrillation after implantation of the Metrix Atrioverter: observations on treated and nontreated episodes, 1428
- Task force 1: cardiac arrest, 932
- Diabetes mellitus**
- Abciximab reduces mortality in diabetics following percutaneous coronary intervention, 922
- Acute myocardial infarction: are diabetics different? (editorial), 1513
- Blood glucose and platelet-dependent thrombosis in patients with coronary artery disease, 300
- Diabetes and the cardiologists: a call to action (editorial), 1130
- Diabetes mellitus and outcome after primary coronary angioplasty for acute myocardial infarction: lesson from the GUSTO-IIb Angioplasty Substudy, 1502
- Emerging concepts in the management of acute myocardial infarction in patients with diabetes mellitus, 563
- Endothelial vasodilator function is related to low-density lipoprotein particle size and low-density lipoprotein vitamin E content in type 1 diabetes, 292
- Influence of treatment modality on angiographic outcome after coronary stenting in diabetic patients: a controlled study, 1554
- Inhibitory effects of low-density lipoproteins from men with type II diabetes on endothelium-dependent relaxation, 1622
- Seven-year outcome in the Bypass Angioplasty Revascularization Investigation (BARI) by treatment and diabetic status, 1122
- Diastolic function**
- Antimyosin autoantibodies are associated with deterioration of systolic and diastolic left ventricular function in patients with chronic myocarditis, 11
- Color m-mode Doppler flow propagation velocity is a preload insensitive index of left ventricular relaxation: animal and human validation, 201
- Early postoperative changes in regional systolic and diastolic left ventricular function after transmyocardial laser revascularization, 1022
- Diastolic volume**
- Single-beat determination of preload recruitable stroke work relationship: derivation and evaluation in conscious dogs, 502
- Dietary supplementation**
- Garlic powder, effect on plasma lipids, postprandial lipemia, low-density lipoprotein particle size, high-density lipoprotein subclass distribution and lipoprotein(a), 321
- Dilated cardiomyopathy**
- See Cardiomyopathy
- Dipyridamole**
- Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76
- Low-dose dipyridamole infusion acutely increases exercise capacity in angina pectoris, 83
- Diuretics**
- Comparison of angiotensin-converting enzyme inhibitors, calcium antagonists, beta-blockers, and diuretic agents on reactive hyperemia in patients with essential hypertension: a multicenter study, 284
- DNA**
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Dobutamine**
- Assessment of cardiac risk before nonvascular surgery, 1647
- Response to incremental doses of dobutamine early after reperfusion is predictive of the degree of myocardial salvage in dogs with experimental acute myocardial infarction, 1960
- Doppler echocardiography**
- See also Echocardiography
- Color m-mode Doppler flow propagation velocity is a preload insensitive index of left ventricular relaxation: animal and human validation, 201
- Ratio of left ventricular peak e-wave velocity to flow propagation velocity assessed by color m-mode Doppler echocardiography in first myocardial infarction, 363
- Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema, 980
- Value of acceleration flow and the prestenotic to stenotic coronary flow velocity ratio by trans-thoracic color Doppler echocardiography in noninvasive diagnosis of restenosis after percutaneous transluminal coronary angioplasty, 164
- Dystrophin**
- Prevalence and characteristics of dystrophin defects in adult male patients with dilated cardiomyopathy, 1760
- Echocardiography**
- See also Doppler echocardiography
- Assessment of cardiac risk before nonvascular surgery, 1647
- Atheromas of the thoracic aorta: clinical and therapeutic uptake, 545
- Clinical and echocardiographic characteristics of left atrial spontaneous echo contrast in sinus rhythm, 1932
- Contrast echocardiography clarifies uninterpretable wall motion in intensive care unit patients, 485
- Echocardiographic predictors of clinical outcome in patients with left ventricular dysfunction enrolled in the SOLVD registry and trials: significance of left ventricular hypertrophy, 1237
- End-diastolic wall thickness as a predictor of recovery of function in myocardial hibernation, 1152
- Importance of imaging method over imaging modality in noninvasive determination of left ventricular volumes and ejection fraction, 477
- Improving the evaluation of left ventricular systolic function with intravenous perfluorocarbon ultrasound contrast: will suboptimal echocardiography become an endangered species? (editorial), 491
- Intravenous thrombolytic treatment of mechanical prosthetic valve thrombosis: a study using serial transesophageal echocardiography, 1881
- Long-term clinical and echocardiographic outcome of percutaneous mitral valvuloplasty, 169
- Pharmacologic stress echocardiography: can we forget "state-of-the-art" protocols? (letter), 1995
- Safety and clinical impact of ergonovine stress echocardiography for diagnosis of coronary vasospasm, 1850
- Stereolithographic biomodeling to create tangible hard copies of cardiac structures from echocardiographic data, 230
- Edema**
- Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema, 980
- Editorials**
- ACC at 50: a giant grew in Bethesda, 60B, 1061
- ACC training outcomes survey of recently trained cardiology fellows, 808
- Acute myocardial infarction: are diabetics different?, 1513
- Annual report, 1988
- Aspirin—angiotensin-converting enzyme inhibitor tradeoff: to halve and halve not, 1808
- Atrial pacing for the prevention of postoperative atrial fibrillation: how and where to pace?, 1423
- Cardiac enzyme elevations after percutaneous coronary intervention: myonecrosis, the coronary microcirculation, and mortality, 1142
- Diabetes and the cardiologists: a call to action, 1130
- Endothelium: a new target for cardiovascular therapies, 67
- Epicardial approach to the ablation of ventricular

- tachycardia in coronary artery disease: an alternative or ancillary approach, 1450
- Full disclosure: the antidote to conflict of interest, 1693
- Heart failure awareness week: February 14–21, 534
- Improving the evaluation of left ventricular systolic function with intravenous perfluorocarbon ultrasound contrast: will suboptimal echocardiography become an endangered species?, 491
- In-stent restenosis: should an old device treat a new problem?, 1577
- Is it time to offer elective percutaneous treatment of the unprotected left main coronary artery?, 1551
- Management of myocardial infarction: looking beyond efficacy, 380
- Mechanisms of atrial fibrillation: is a cure at hand?, 1687
- Optimal management of non-ST segment elevation myocardial infarction remains unclear, 903
- Pharmacy madness, 802
- Phytoestrogens and vascular therapy, 1986
- Poverty and health, 1359
- Renaissance of provocative testing for coronary spasm?, 1857
- “Repaired” aortic coarctation in adults: not a “simple” congenital heart defect, 1003
- What did we learn from the *New England Journal of Medicine*, 254
- Education and training**
- ACC training outcomes survey of recently trained cardiology fellows, 808
- Ejection fraction**
- Echocardiographic predictors of clinical outcome in patients with left ventricular dysfunction enrolled in the SOLVD registry and trials: significance of left ventricular hypertrophy, 1237
- Importance of imaging method over imaging modality in noninvasive determination of left ventricular volumes and ejection fraction, 477
- Elderly**
- Demographics and cardiology, 1950–2050, 66B, 1067
- Efficacy and safety of catheter ablation in octogenarians, 458
- Heart rate-lowering drugs such as verapamil improve aerobic exercise performance in healthy elderly individuals: a new way to look at left ventricular diastolic function in the elderly (letter), 1697
- Outcomes of cardiac surgery in patients age \geq 80 years: results from the National Cardiovascular Network, 731
- Predictors of congestive heart failure in the elderly: the Cardiovascular Health Study, 1628
- Prevalence, predisposing factors, and prognosis of clinically unrecognized myocardial infarction in the elderly, 119
- Stroke with intermittent atrial fibrillation: incidence and predictors during aspirin therapy, 183
- Electrocardiography**
- Body surface mapping of counterclockwise and clockwise typical atrial flutter: a comparison analysis with endocardial activation sequence mapping, 1276
- Cardiac troponin T in chest pain unit patients without ischemic electrocardiographic changes: angiographic correlates and long-term clinical outcomes, 1827
- Combined assessment of T-wave alternans and late potential used to predict arrhythmic events after myocardial infarction, 722
- Differential effects of beta-adrenergic agonists and antagonists in LQT1, LQT2 and LQT3 models of the long QT syndrome, 778
- Early angiography versus conservative treatment in patients with non-ST elevation acute myocardial infarction, 895
- Effect of resting ST segment depression on the diagnostic characteristics of the exercise treadmill test, 1206
- Electrocardiogram in myocardial infarction: what is most relevant? (letter), 257
- Electrocardiographic evolutionary changes and left ventricular remodeling after acute myocardial infarction, 127
- Exercise-induced U-wave alterations as a marker of well-developed and well-functioning collateral vessels in patients with effort angina, 757
- Functional significance of recruitable collaterals during temporary coronary occlusion evaluated by ^{99m}Tc -sestamibi single-photon emission computerized tomography, 624
- Mapping and ablation of ventricular tachycardia guided by virtual electrograms using a noncontact, computerized mapping system, 414
- Optimal management of non-ST segment elevation myocardial infarction remains unclear (editorial), 903
- Persistent ST segment depression in precordial leads V5–V6 after Q-wave anterior wall myocardial infarction is associated with restrictive physiology of the left ventricle, 352
- Prediction of paroxysmal atrial fibrillation in patients with congestive heart failure: a prospective study, 403
- Prognostic implications of TIMI flow grade in the infarct related artery compared with continuous 12-lead ST-segment resolution analysis, 666
- Prognostic significance of ST segment depression in lateral leads I, aVL, V₅ and V₆ on the admission electrocardiogram in patients with a first acute myocardial infarction without ST segment elevation, 1813
- Electrodes**
- Intravenous sotalol decreases transthoracic cardioversion energy requirement for chronic atrial fibrillation in humans: assessment of the electrophysiological effects by biatrial basket electrodes, 1434
- Embolus**
- Closure of patent foramen ovale for paradoxical emboli: intermediate-term risk of recurrent neurological events following transcatheter device placement, 1311
- Emergency care**
- Emergency cardiac care: introduction (conference proceeding), 830
- Task force 3: special aspects of research conduct in the emergency setting: waiver of informed consent, 862
- Endothelial function**
- Coronary endothelial dysfunction after Kawasaki disease (letter), 821
- Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation, 706
- Dietary supplementation with marine omega-3 fatty acids improve systemic large artery endothelial function in subjects with hypercholesterolemia, 265
- Endothelial vasodilator function is related to low-density lipoprotein particle size and low-density lipoprotein vitamin E content in type 1 diabetes, 292
- Improvement of endothelial function and insulin sensitivity with vitamin C in patients with coronary spastic angina: possible role of reactive oxygen species, 1860
- Oral vitamin C and endothelial function in smokers: short-term improvement, but no sustained beneficial effect, 1616
- Tetrahydrobiopterin restores endothelial function in long-term smokers, 71
- Endothelial growth factor**
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Ten-fold augmentation of endothelial uptake of vascular endothelial growth factor with ultrasound after systemic administration, 1678
- Endothelial receptors**
- Acute hemodynamic and neurohumoral effects of selective ET_A receptor blockade in patients with congestive heart failure, 1745
- Endothelin-1**
- Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222
- Endothelium**
- Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271
- Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222
- Endothelium: a new target for cardiovascular therapies (editorial), 67
- Plant-derived estrogens relax coronary arteries in vitro by a calcium antagonistic mechanism, 1977
- Ten-fold augmentation of endothelial uptake of vascular endothelial growth factor with ultrasound after systemic administration, 1678
- Enzymes**
- Cardiac enzyme elevations after percutaneous coronary intervention: myonecrosis, the coronary microcirculation, and mortality (editorial), 1142
- Ingenious interpretation of elevated blood levels of macromolecular markers of myocardial injury: a recipe for confusion, 1355
- Epidemiology**
- Demographics and cardiology, 1950–2050, 66B, 1067
- Epinephrine**
- Survival with full neurologic recovery and no cerebral pathology after prolonged cardiopulmonary resuscitation with vasopressin in pigs, 527
- Ergonovine**
- Safety and clinical impact of ergonovine stress echocardiography for diagnosis of coronary vasospasm, 1850
- Erythropoietin**
- Use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalization, 1737
- Estrogen and estrogen therapy**
- Phytoestrogens and cardiovascular health (review), 1403

- Phytoestrogens and vascular therapy (editorial), 1986
- Plant-derived estrogens relax coronary arteries in vitro by a calcium antagonistic mechanism, 1977
- Ethics**
- Full disclosure: the antidote to conflict of interest (editorial), 1693
- Predicting the future (editorial), 1361
- Technological advances and the next 50 years of cardiology: ethics and privacy, 81B, 87B, 1082
- Evaluative tools**
- Development and evaluation of the Kansas City cardiomyopathy questionnaire: a new health status measure for heart failure, 1245
- Exercise**
- Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation, 706
- Exercise testing**
- Effect of resting ST segment depression on the diagnostic characteristics of the exercise treadmill test, 1206
- Exercise-induced U-wave alterations as a marker of well-developed and well-functioning collateral vessels in patients with effort angina, 757
- Feasibility and safety of early exercise testing using the Bruce protocol after acute myocardial infarction, 1212
- Heart rate-lowering drugs such as verapamil improve aerobic exercise performance in healthy elderly individuals: a new way to look at left ventricular diastolic function in the elderly (letter), 1697
- Identification of severe coronary artery disease in patients with abnormal coronary territory on exercise thallium-201 imaging, 335
- Incremental value of prognostic testing in patients with known or suspected ischemic heart disease: a basis for optimal utilization of exercise technetium-99m sestamibi myocardial perfusion single-photon emission computed tomography (historical article), 29B
- Low-dose dipyridamole infusion acutely increases exercise capacity in angina pectoris, 83
- Prolonged recovery of cardiac output after maximal exercise in patients with chronic heart failure, 1228
- Risk stratification in unstable coronary artery disease, 1791
- Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema, 980
- Expiratory flow**
- Expiratory flow limitation as a determinant of orthopnea in acute left heart failure, 690
- Fibrillation**
- See Atrial fibrillation; Ventricular fibrillation
- Fibrinolysis**
- See also Thrombolytic therapy
- Emerging concepts in the management of acute myocardial infarction in patients with diabetes mellitus, 563
- Filling patterns**
- Persistent ST segment depression in precordial leads V5-V6 after Q-wave anterior wall myocardial infarction is associated with restrictive physiology of the left ventricle, 352
- Fluid expansion**
- Contracted plasma and blood volume in chronic heart failure, 51
- Fluvastatin**
- Interactions between angiotensin-I converting enzyme insertion/deletion polymorphism and response of plasma lipids and coronary atherosclerosis to treatment with fluvastatin, 89
- Foramen ovale**
- Closure of patent foramen ovale for paradoxical emboli: intermediate-term risk of recurrent neurological events following transcatheter device placement, 1311
- Furosemide**
- Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56
- Garlic**
- Garlic powder, effect on plasma lipids, postprandial lipemia, low-density lipoprotein particle size, high-density lipoprotein subclass distribution and lipoprotein(a), 314
- Gemfibrozil**
- Gemfibrozil, nicotinic acid and combination therapy in patients with isolated hypoalphalipoproteinemia: a randomized, open-label, crossover study, 640
- Gender**
- See Men; Women
- Genetics**
- Apolipoprotein E genotype: epsilon32 women are protected while epsilon43 and epsilon44 men are susceptible to ischemic heart disease, 1192
- Baroreflex sensitivity and variants of the renin angiotensin system genes, 194
- Clinical characteristics of a familial inherited myxomatous valvular dystrophy mapped to Xq28, 1890
- Electromagnetic guidance for catheter-based transcatheter injection: a platform for intramyocardial angiogenesis therapy, 1031
- Homozygosity for a HERG potassium channel mutation causes a severe form of long QT syndrome: identification of an apparent founder mutation in the finns, 1919
- Interactions between angiotensin-I converting enzyme insertion/deletion polymorphism and response of plasma lipids and coronary atherosclerosis to treatment with fluvastatin, 89
- Lack of association between polymorphisms of eight candidate genes and idiopathic dilated cardiomyopathy, 29
- Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040
- Prevalence and characteristics of dystrophin defects in adult male patients with dilated cardiomyopathy, 1760
- Glomerular filtration rate**
- Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56
- Glucose**
- Blood glucose and platelet-dependent thrombosis in patients with coronary artery disease, 300
- Serum insulin-like growth factor-I level is independently associated with coronary artery disease progression in young male survivors of myocardial infarction: beneficial effects of bezafibrate treatment, 647
- Glycoprotein IIb/IIIa receptors**
- Effect of glycoprotein IIb/IIIa receptor blockade with abciximab on clinical and angiographic restenosis rate after the placement of coronary stents following acute myocardial infarction, 915
- Platelet glycoprotein IIb/IIIa receptor blockade in coronary artery disease (review), 1103
- Grafts and grafting**
- Acute coronary insufficiency (impending acute myocardial infarction and myocardial infarction) surgical treatment by the saphenous vein graft technique (historical article), 18B
- Comparison of debulking followed by stenting versus stenting alone for saphenous vein graft aortoostial lesions: immediate and one-year clinical outcomes, 1560
- Percutaneous revascularization of the internal mammary artery graft: short- and long-term outcomes, 944
- Procedural results and intermediate clinical outcomes after multiple saphenous vein graft stenting, 389
- Growth factors**
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Expression of vascular endothelial growth factor in patients with acute myocardial infarction, 968
- Intracoronary basic fibroblast growth factor enhances myocardial collateral perfusion in dogs, 519
- Serum insulin-like growth factor-I level is independently associated with coronary artery disease progression in young male survivors of myocardial infarction: beneficial effects of bezafibrate treatment, 647
- Health care**
- ACC forum on the future: delivering quality care in the 21st century (historical article), 55B
- Future of cardiology: utilization and costs of care, 1092
- Poverty and health (editorial), 1359
- Role of the American College of Cardiology in promoting and maintaining the delivery of quality cardiovascular care in the future, 1100
- U.S. healthcare system 2010: problems, principles, and potential solutions (editorial), 1048
- Heart disease**
- See Congenital heart disease; Coronary heart disease
- Heart failure**
- Acute hemodynamic and neurohumoral effects of selective ET_A receptor blockade in patients with congestive heart failure, 1745
- Angiotensin II type 1 receptor antagonist decreases plasma levels of tumor necrosis factor alpha, interleukin-6 and soluble adhesion molecules in patients with chronic heart failure, 714
- Cardiac remodeling—Concepts and clinical implications: a consensus paper from an international forum on cardiac remodeling, 569
- Contracted plasma and blood volume in chronic heart failure, 51
- Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation, 706
- Development and evaluation of the Kansas City cardiomyopathy questionnaire: a new health status measure for heart failure, 1245
- Echocardiographic predictors of clinical outcome in patients with left ventricular dysfunction enrolled in the SOLVD registry and trials: significance of left ventricular hypertrophy, 1237

- Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56
- Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222
- Effects of moxonidine, a novel imidazoline, on plasma norepinephrine in patients with congestive heart failure, 398
- Expiratory flow limitation as a determinant of orthopnea in acute left heart failure, 690
- Heart failure awareness week: February 14–21 (editorial), 534
- Heart failure from the point of view of quantitative anatomy (historical article), 6B
- Hemodynamic comparison of twice daily metoprolol tartrate with once daily metoprolol succinate in congestive heart failure, 45
- Lack of effect of coenzyme Q on left ventricular function in patients with congestive heart failure (letter), 816
- Peripartum cardiomyopathy: analysis of clinical outcome, left ventricular function, plasma levels of cytokines and Fas/APO-1, 701
- Prediction of paroxysmal atrial fibrillation in patients with congestive heart failure: a prospective study, 403
- Predictors of congestive heart failure in the elderly: the Cardiovascular Health Study, 1628
- Prolonged recovery of cardiac output after maximal exercise in patients with chronic heart failure, 1228
- Ratio of left ventricular peak e-wave velocity to flow propagation velocity assessed by color m-mode Doppler echocardiography in first myocardial infarction, 363
- Role of thoracic ultrasonography for evaluation of patients with decompensated chronic heart failure, 1638
- Role of tumor necrosis factor in the pathophysiology of heart failure (review), 537
- Upregulation of the Bcl-2 family of proteins in end stage heart failure, 1769
- Use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalization, 1737
- Ventricular contraction abnormalities in dilated cardiomyopathy: effect of biventricular pacing to correct interventricular dyssynchrony, 1221
- Heart rate**
- Depressed heart rate variability identifies postinfarction patients who might benefit from prophylactic treatment with amiodarone, 1263
- Effects of controlled breathing, mental activity and mental stress with or without verbalization on heart rate variability, 1462
- Prognostic value of heart rate variability in idiopathic dilated cardiomyopathy (letter), 1363
- Hematoma**
- Randomized trial comparing heparin initiation 6 or 24 h after pacemaker or defibrillator implantation, 1915
- Hemodynamics**
- Acute hemodynamic and neurohumoral effects of selective ET_A receptor blockade in patients with congestive heart failure, 1745
- Comparison of the acute hemodynamic effects of inhaled nitric oxide and aerosolized iloprost in primary pulmonary hypertension, 176
- Distinct hemodynamic profiles in patients with vasovagal syncope: a heterogeneous population, 1470
- False positive head-up tilt: hemodynamic and neurohumoral profile, 188
- Hemodynamic effects of immunoadsorption and subsequent immunoglobulin substitution in dilated cardiomyopathy, 1590
- Heparin**
- High dose heparin as pretreatment for primary angioplasty in acute myocardial infarction: The Heparin in Early Patency (HEAP) randomized trial, 600
- Low molecular weight heparin in acute coronary syndrome: evidence for superior or equivalent efficacy compared with unfractionated heparin?, 1699
- Randomized trial comparing heparin initiation 6 or 24 h after pacemaker or defibrillator implantation, 1915
- Historical articles**
- ACC forum on the future: delivering quality care in the 21st century, 55B
- Acute coronary insufficiency (impending acute myocardial infarction and myocardial infarction) surgical treatment by the saphenous vein graft technique, 18B
- Angiographic morphology and the pathogenesis of unstable angina pectoris, 52B
- Demonstration of the mechanism of transient entrainment and interruption of ventricular tachycardia with rapid atrial pacing, 38B
- Early thrombolysis in acute myocardial infarction: limitation of infarct size and improved survival, 25B
- Heart failure from the point of view of quantitative anatomy (historical article), 6B
- Incremental value of prognostic testing in patients with know of suspected ischemic heart disease: a basis for optimal utilization of exercise technetium-99m sestamibi myocardial perfusion single-photon emission computed tomography, 29B
- Natural history of angina pectoris, 2B
- Natural history of aortic and mitral valve disease, 32B
- Natural history of idiopathic dilated cardiomyopathy, 8B
- Oxygen consumption of the heart: newer concepts of its multifactorial determination, 45B
- Percutaneous transluminal coronary angioplasty: report from the registry of the National Heart, Lung, and Blood Institute, 35B
- Prevalence of coronary heart disease in the Framingham Offspring Study: role of lipoprotein cholesterol, 13B
- Systolic versus diastolic blood pressure and risk of coronary heart disease, 10B
- Treatment of myocardial infarction in a coronary care unit: a two-year experience with 250 patients, 49B
- Variant angina: one aspect of a continuous spectrum of vasospastic myocardial ischemia. Pathogenetic mechanisms, estimated incidence and clinical arteriographic findings in 138 patients, 2B
- HMG-CoA reductase inhibitors**
- Effects of hydroxymethylglutaryl coenzyme A reductase inhibitor simvastatin on smooth muscle cell proliferation in vitro and neointimal formation in vivo after vascular injury, 214
- Evolving role of statins in the management of atherosclerosis (review article), 1
- Hormone replacement therapy**
- Mechanism of protection against vascular smoking-induced changes by hormone replacement therapy (letter), 815
- Hospitals**
- Acute myocardial infarction occurring in versus out of the hospital: patient characteristics and clinical outcome, 1820
- Does coronary angiography before emergency aortic surgery affect in-hospital mortality?, 889
- Mild hypercholesterolemia and premature heart disease: do the national criteria underestimate disease risk?, 1178
- Task force 2: acute coronary syndromes: section 2B—chest discomfort evaluation in the hospital, 853
- Treatment and outcome of myocardial infarction in hospitals with and without invasive capability, 371
- Hypercholesterolemia**
- See also* Hypercholesterolemia; Lipoproteins
- Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76
- Dietary supplementation with marine omega-3 fatty acids improve systemic large artery endothelial function in subjects with hypercholesterolemia, 265
- Mild hypercholesterolemia and premature heart disease: do the national criteria underestimate disease risk?, 1178
- Hyperplasia**
- Effects of hydroxymethylglutaryl coenzyme A reductase inhibitor simvastatin on smooth muscle cell proliferation in vitro and neointimal formation in vivo after vascular injury, 214
- Hypertension**
- See also* Blood pressure
- Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654
- Comparison of angiotensin-converting enzyme inhibitors, calcium antagonists, beta-blockers, and diuretic agents on reactive hyperemia in patients with essential hypertension: a multicenter study, 284
- Comparison of the acute hemodynamic effects of inhaled nitric oxide and aerosolized iloprost in primary pulmonary hypertension, 176
- Overdosing with prostacyclin in primary pulmonary hypertension (letter), 1995
- Pulmonary blood flow alters nitric oxide production in patients undergoing device closure of atrial septal defects, 463
- Hypertrophy**
- See also* Cardiomyopathy
- Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654
- Echocardiographic predictors of clinical outcome in patients with left ventricular dysfunction enrolled in the SOLVD registry and trials: significance of left ventricular hypertrophy, 1237
- Morphology and significance of the left ventricular collagen network in young patients with hypertrophic cardiomyopathy and sudden cardiac death, 37
- Hypoalbuminoproteinemia**
- Gemfibrozil, nicotinic acid and combination therapy in patients with isolated

hypopalipoproteinemia: a randomized, open-label, crossover study, 640

Hypoxia

Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema, 980

Hysteresis

Exploiting rate-related hysteresis in repolarization alternans to improve risk stratification for ventricular tachycardia, 1485

Idiopathic dilated cardiomyopathy

See Cardiomyopathy

Illicit drugs

Coronary vascular responses to short-term cocaine administration in conscious baboons compared with dogs, 1347

Iloprost

Comparison of the acute hemodynamic effects of inhaled nitric oxide and aerosolized iloprost in primary pulmonary hypertension, 176

Imidazolines

Effects of moxonidine, a novel imidazoline, on plasma norepinephrine in patients with congestive heart failure, 398

Immune response

Shift in the myocardial adenine nucleotide translocator isoform expression pattern is associated with an enteroviral infection in the absence of an active T-cell dependent immune response in human inflammatory heart disease, 1778

Immunoadsorption

Hemodynamic effects of immunoadsorption and subsequent immunoglobulin substitution in dilated cardiomyopathy, 1590

Immunoglobulins

Hemodynamic effects of immunoadsorption and subsequent immunoglobulin substitution in dilated cardiomyopathy, 1590

Implantation

Acute and chronic tissue response to coronary stent implantation: pathologic findings in human specimen, 157

Infants

Atrial flutter in the perinatal age group: diagnosis, management and outcome, 771

Balloon angioplasty of postsurgical reocclusion in infants, 207

Reinterventions after repair of common arterial trunk in neonates and young infants, 1317

Infarction

See Myocardial infarction

Infections

Seropositivity to chlamydial lipopolysaccharide and *Chlamydia pneumoniae*, systemic inflammation and stable coronary artery disease, 112

Shift in the myocardial adenine nucleotide translocator isoform expression pattern is associated with an enteroviral infection in the absence of an active T-cell dependent immune response in human inflammatory heart disease, 1778

Inflammation

Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271

Plaque inflammation in restenotic coronary lesions of patients with stable or unstable angina, 963

Seropositivity to chlamydial lipopolysaccharide and *Chlamydia pneumoniae*, systemic inflammation and stable coronary artery disease, 112

Inflammatory heart disease

Shift in the myocardial adenine nucleotide translocator isoform expression pattern is

associated with an enteroviral infection in the absence of an active T-cell dependent immune response in human inflammatory heart disease, 1778

Informed consent

Task force 3: special aspects of research conduct in the emergency setting: waiver of informed consent, 862

Insulin

Improvement of endothelial function and insulin sensitivity with vitamin C in patients with coronary spastic angina: possible role of reactive oxygen species, 1860

Intensive care unit

Contrast echocardiography clarifies uninterpretable wall motion in intensive care unit patients, 485

Interleukins

Angiotensin II type 1 receptor antagonist decreases plasma levels of tumor necrosis factor alpha, interleukin-6 and soluble adhesion molecules in patients with chronic heart failure, 714

Interventional cardiology

Abciximab reduces mortality in diabetics following percutaneous coronary intervention, 922

Cardiac enzyme elevations after percutaneous coronary intervention: myonecrosis, the coronary microcirculation, and mortality (editorial), 1142

Procedural results and late clinical outcomes after percutaneous interventions using long (≥ 25 mm) versus short (< 20 mm) stents, 612

Reinterventions after repair of common arterial trunk in neonates and young infants, 1317

Intima

Polymeric-based perivascular delivery of a nitric oxide donor inhibits intimal thickening after balloon denudation arterial injury: role of nuclear factor-kappaB, 493

Iron

Use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalization, 1737

Ischemia

Apolipoprotein E genotype: epsilon32 women are protected while epsilon43 and epsilon44 men are susceptible to ischemic heart disease, 1192

Cardiac troponin T in chest pain unit patients without ischemic electrocardiographic changes: angiographic correlates and long-term clinical outcomes, 1827

Comparative effects of pretreatment with captopril and losartan on cardiovascular protection in a rat model of ischemia-reperfusion, 787

Coronary microcirculatory vasoconstriction during ischemia in patients with unstable angina, 327

Coronary vascular responses to short-term cocaine administration in conscious baboons compared with dogs, 1347

Electromagnetic guidance for catheter-based transcatheter injection: a platform for intramyocardial angiogenesis therapy, 1031

Incremental value of prognostic testing in patients with known or suspected ischemic heart disease: a basis for optimal utilization of exercise technetium-99m sestamibi myocardial perfusion single-photon emission computed tomography (historical article), 29B

Intracoronary basic fibroblast growth factor enhances myocardial collateral perfusion in dogs, 519

Large, sustained cardiac lipid peroxidation and reduced antioxidant capacity in the coronary circulation after brief episodes of myocardial ischemia, 633

Low-dose dipyridamol infusion acutely increases exercise capacity in angina pectoris, 83

Regional myocardial blood flow reserve impairment and metabolic changes suggesting myocardial ischemia in patients with idiopathic dilated cardiomyopathy, 19

Role of ischemia and infarction in late right ventricular dysfunction after atrial repair of transposition of the great arteries, 1661

Three minute, but not one minute, ischemia and nicorandil have a preconditioning effect in patients with coronary artery disease, 345

Kawasaki disease

Coronary endothelial dysfunction after Kawasaki disease (letter), 821

Kidneys

Effects of BG9719 (CVT-124), an A₁-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure, 56

Prognostic implications of renal insufficiency in asymptomatic and symptomatic patients with left ventricular systolic dysfunction, 681

Use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalization, 1737

L-arginine

Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation, 706

Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271

Lasers

Transmyocardial revascularization with CO₂ laser in patients with refractory angina pectoris, 1170

Left ventricle

See also Ventricular function

Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654

Color m-mode Doppler flow propagation velocity is a preload insensitive index of left ventricular relaxation: animal and human validation, 201

Contrast echocardiography clarifies uninterpretable wall motion in intensive care unit patients, 485

Coronary flow velocity immediately after primary coronary stenting as a predictor of ventricular wall motion recovery in acute myocardial infarction, 1835

Early changes in left ventricular function in chronic asymptomatic alcoholics: relation to the duration of heavy drinking, 1599

Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222

Electrocardiographic evolutionary changes and left ventricular remodeling after acute myocardial infarction, 127

Importance of imaging method over imaging modality in noninvasive determination of left ventricular volumes and ejection fraction, 477

Light-to-moderate alcohol consumption and

prognosis in patients with left ventricular systolic dysfunction, 1753

Measurement of postsystolic shortening to assess viability and predict recovery of left ventricular function after acute myocardial infarction, 1842

Morphology and significance of the left ventricular collagen network in young patients with hypertrophic cardiomyopathy and sudden cardiac death, 37

Myocardial perfusion and sympathetic innervation in patients with hypertrophic cardiomyopathy, 1867

Persistent ST segment depression in precordial leads V5-V6 after Q-wave anterior wall myocardial infarction is associated with restrictive physiology of the left ventricle, 352

Pressure-derived fractional collateral blood flow: a primary determinant of left ventricular recovery after reperfused acute myocardial infarction, 949

Prognostic implications of renal insufficiency in asymptomatic and symptomatic patients with left ventricular systolic dysfunction, 681

Ratio of left ventricular peak e-wave velocity to flow propagation velocity assessed by color m-mode Doppler echocardiography in first myocardial infarction, 363

Remote myocardial dysfunction after acute anterior myocardial infarction: impact of left ventricular shape on regional function, 1525

Single-beat determination of preload recruitable stroke work relationship: derivation and evaluation in conscious dogs, 502

Letters to the editor

Beta-blockers and ventricular arrhythmias in dilated cardiomyopathy, 1993

Coronary endothelial dysfunction after Kawasaki disease, 821

Coronary flow reserve assessment from average peak velocity profiles alone must be judged with caution, 1363

Describing patients with discordant ventriculoarterial connections, 821

Heart rate-lowering drugs such as verapamil improve aerobic exercise performance in healthy elderly individuals: a new way to look at left ventricular diastolic function in the elderly, 1697

Is the lower mortality in patients treated with aspirin and angiotensin-converting enzyme inhibitors due to decreased norepinephrine release?, 817

Lack of effect of coenzyme Q on left ventricular function in patients with congestive heart failure, 816

Mechanism of protection against vascular smoking-induced changes by hormone replacement therapy, 815

Mercury and idiopathic dilated cardiomyopathy, 817

Overdosing with prostacyclin in primary pulmonary hypertension, 1995

Pharmacologic stress echocardiography: can we forget "state-of-the-art" protocols?, 1995

Prognostic value of heart rate variability in idiopathic dilated cardiomyopathy, 1363

Routine elective cesarean section is not justified for women with mechanical heart valves, 1365

Lipids

See also Lipoproteins

Garlic powder, effect on plasma lipids, postprandial lipemia, low-density lipoprotein particle size,

high-density lipoprotein subclass distribution and lipoprotein(a), 314

Interactions between angiotensin-I converting enzyme insertion/deletion polymorphism and response of plasma lipids and coronary atherosclerosis to treatment with fluvastatin, 89

Large, sustained cardiac lipid peroxidation and reduced antioxidant capacity in the coronary circulation after brief episodes of myocardial ischemia, 633

Lipoprotein(a)

Garlic powder, effect on plasma lipids, postprandial lipemia, low-density lipoprotein particle size, high-density lipoprotein subclass distribution and lipoprotein(a), 314

Lack of association of lipoprotein(a) levels with coronary calcium deposits in asymptomatic postmenopausal women, 314

Lipoprotein(a) is a risk factor for occurrence of acute myocardial infarction in patients with coronary vasospasm, 1200

Lipoproteins

See also Cholesterol; Hypercholesterolemia; Lipids

Endothelial vasodilator function is related to low-density lipoprotein particle size and low-density lipoprotein vitamin E content in type 1 diabetes, 292

Garlic powder, effect on plasma lipids, postprandial lipemia, low-density lipoprotein particle size, high-density lipoprotein subclass distribution and lipoprotein(a), 314

Inhibitory effects of low-density lipoproteins from men with type II diabetes on endothelium-dependent relaxation, 1622

Prevalence of coronary heart disease in the Framingham Offspring Study: role of lipoprotein cholesterol (historical article), 13B

Losartan

Comparative effects of pretreatment with captopril and losartan on cardiovascular protection in a rat model of ischemia-reperfusion, 787

Lumen

Greater late lumen loss after successful coronary balloon angioplasty in the proximal left anterior descending coronary artery is not explained by extent of vessel wall damage or plaque burden, 382

Lymphocytes

Shift in the myocardial adenine nucleotide translocator isoform expression pattern is associated with an enteroviral infection in the absence of an active T-cell dependent immune response in human inflammatory heart disease, 1778

Macromolecular markers

Ingenuous interpretation of elevated blood levels of macromolecular markers of myocardial injury: a recipe for confusion, 1355

Macrophage colony-stimulating factor

Clinical significance of increased plasma concentration of macrophage colony-stimulating factor in patients with angina pectoris, 655

Magnetic resonance imaging

Importance of imaging method over imaging modality in noninvasive determination of left ventricular volumes and ejection fraction, 477

Remote myocardial dysfunction after acute anterior myocardial infarction: impact of left ventricular shape on regional function, 1525

Repaired coarctation: a "cost-effective" approach to identify complications in adults, 997

Men

Apolipoprotein E genotype: epsilon32 women are protected while epsilon43 and epsilon44 men are susceptible to ischemic heart disease, 1192

Decrease in diastolic blood pressure combined with an increase in systolic blood pressure is associated with a higher cardiovascular mortality in men, 673

Inhibitory effects of low-density lipoproteins from men with type II diabetes on endothelium-dependent relaxation, 1622

Light-to-moderate alcohol consumption and mortality in the Physicians' Health Study Enrollment Cohort, 96

Prevalence and characteristics of dystrophin defects in adult male patients with dilated cardiomyopathy, 1760

Risk stratification in unstable coronary artery disease, 1791

Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974

Mercury

Mercury and idiopathic dilated cardiomyopathy (letter), 819

Metabolism

Regional myocardial blood flow reserve impairment and metabolic changes suggesting myocardial ischemia in patients with idiopathic dilated cardiomyopathy, 19

Metoprolol succinate

Hemodynamic comparison of twice daily metoprolol tartrate with once daily metoprolol succinate in congestive heart failure, 45

Metoprolol tartrate

Hemodynamic comparison of twice daily metoprolol tartrate with once daily metoprolol succinate in congestive heart failure, 45

Mitochondria

Cytokine-induced nitric oxide production inhibits mitochondrial energy production and impairs contractile function in rat cardiac myocytes, 1338

Nicorandil, a potent cardioprotective agent, acts by opening mitochondrial ATP-dependent potassium channels, 514

Roles of mitochondrial ATP-sensitive K channels and PKC in anti-infarct tolerance afforded by adenosine A₁ receptor activation, 238

Mitral valve

Clinical features and management of isolated cleft mitral valve in childhood, 764

Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739

Natural history of aortic and mitral valve disease (historical article), 32B

Percutaneous mitral commissurotomy for stenosis after surgical commissurotomy, 1295

Thrombolysis is an effective and safe therapy in stuck bileaflet mitral valves in the absence of high-risk thrombi, 1874

Mononuclear cells

Expression of vascular endothelial growth factor in patients with acute myocardial infarction, 968

Mortality

Abciximab reduces mortality in diabetics following percutaneous coronary intervention, 922

Cardiac enzyme elevations after percutaneous coronary intervention: myonecrosis, the

- coronary microcirculation, and mortality (editorial), 1142
- Decrease in diastolic blood pressure combined with an increase in systolic blood pressure is associated with a higher cardiovascular mortality in men, 673
- Does coronary angiography before emergency aortic surgery affect in-hospital mortality?, 889
- Eight-year mortality in the Emory Angioplasty versus Surgery Trial (EAST), 1116
- Is the lower mortality in patients treated with aspirin and angiotensin-converting enzyme inhibitors due to decreased norepinephrine release? (letter), 817
- Light-to-moderate alcohol consumption and mortality in the Physicians' Health Study Enrollment Cohort, 96
- Serum amyloid A predicts early mortality in acute coronary syndromes: a TIMI 11A substudy, 358
- Moxonidine**
Effects of moxonidine, a novel imidazoline, on plasma norepinephrine in patients with congestive heart failure, 398
- Mustard operation**
Radiofrequency catheter ablation of supraventricular tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428
- Role of ischemia and infarction in late right ventricular dysfunction after atrial repair of transposition of the great arteries, 1661
- Myocardial blood flow**
Regional myocardial blood flow reserve impairment and metabolic changes suggesting myocardial ischemia in patients with idiopathic dilated cardiomyopathy, 19
- Myocardial infarction**
Acute coronary insufficiency (impending acute myocardial infarction and myocardial infarction) surgical treatment by the saphenous vein graft technique (historical article), 18B
- Acute myocardial infarction: are diabetics different? (editorial), 1513
- Acute myocardial infarction occurring in versus out of the hospital: patient characteristics and clinical outcome, 1820
- Can angiography predict the vulnerable lesion that progresses to myocardial infarction (letter), 261
- Clinical and angiographic outcomes in patients with previous coronary artery bypass graft surgery treated with primary balloon angioplasty for acute myocardial infarction, 605
- Clinical effects of angiotensin-converting enzyme inhibitor treatment for acute myocardial infarction are similar in the presence and absence of aspirin: systematic overview of individual data from 96,712 randomized patients, 1801
- Combined assessment of T-wave alternans and late potential used to predict arrhythmic events after myocardial infarction, 722
- Comparison of systematic stenting and conventional balloon angioplasty during primary percutaneous transluminal coronary angioplasty for acute myocardial infarction, 1729
- Coronary flow velocity immediately after primary coronary stenting as a predictor of ventricular wall motion recovery in acute myocardial infarction, 1835
- Depressed heart rate variability identifies postinfarction patients who might benefit from prophylactic treatment with amiodarone, 1263
- Diabetes mellitus and outcome after primary coronary angioplasty for acute myocardial infarction: lesson from the GUSTO-IIb Angioplasty Substudy, 1502
- Early angiography versus conservative treatment in patients with non-ST elevation acute myocardial infarction, 895
- Early thrombolysis in acute myocardial infarction: limitation of infarct size and improved survival (historical article), 25B
- Effect of glycoprotein IIb/IIIa receptor blockade with abciximab on clinical and angiographic restenosis rate after the placement of coronary stents following acute myocardial infarction, 915
- Electrocardiogram in myocardial infarction: what is most relevant? (letter), 257
- Electrocardiographic evolutionary changes and left ventricular remodeling after acute myocardial infarction, 127
- Emerging concepts in the management of acute myocardial infarction in patients with diabetes mellitus, 563
- Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor in a myocardial infarction model in the rat—angiogenesis and angioma formation, 1323
- Expression of vascular endothelial growth factor in patients with acute myocardial infarction, 968
- Feasibility and safety of early exercise testing using the Bruce protocol after acute myocardial infarction, 1212
- High dose heparin as pretreatment for primary angioplasty in acute myocardial infarction: The Heparin in Early Patency (HEAP) randomized trial, 600
- Ingenuous interpretation of elevated blood levels of macromolecular markers of myocardial injury: a recipe for confusion, 1355
- Light-to-moderate alcohol consumption and prognosis in patients with left ventricular systolic dysfunction, 1753
- Lipoprotein(a) is a risk factor for occurrence of acute myocardial infarction in patients with coronary vasospasm, 1200
- Low molecular weight heparin in acute coronary syndrome: evidence for superior or equivalent efficacy compared with unfractionated heparin?, 1699
- Management of myocardial infarction: looking beyond efficacy (editorial), 380
- Measurement of postsystolic shortening to assess viability and predict recovery of left ventricular function after acute myocardial infarction, 1842
- Nonsurgical transthoracic epicardial catheter ablation to treat recurrent ventricular tachycardia occurring later after myocardial infarction, 1442
- Optimal management of non-ST segment elevation myocardial infarction remains unclear (editorial), 903
- Out-of-hospital ventricular fibrillation in patients with acute myocardial infarction, 136
- Persistent ST segment depression in precordial leads V5-V6 after Q-wave anterior wall myocardial infarction is associated with restrictive physiology of the left ventricle, 352
- Predictors of cardiogenic shock after thrombolytic therapy for acute myocardial infarction, 136
- Pressure-derived fractional collateral blood flow: a primary determinant of left ventricular recovery after reperfused acute myocardial infarction, 949
- Prevalence, predisposing factors, and prognosis of clinically unrecognized myocardial infarction in the elderly, 119
- Prognostic implications of TIMI flow grade in the infarct related artery compared with continuous 12-lead ST-segment resolution analysis, 666
- Prognostic significance of ST segment depression in lateral leads I, aVL, V₅ and V₆ on the admission electrocardiogram in patients with a first acute myocardial infarction without ST segment elevation, 1813
- Ratio of left ventricular peak e-wave velocity to flow propagation velocity assessed by color m-mode Doppler echocardiography in first myocardial infarction, 363
- Relationship between corrected TIMI frame counts at three weeks and late survival after myocardial infarction, 1516
- Remote myocardial dysfunction after acute anterior myocardial infarction: impact of left ventricular shape on regional function, 1525
- Reperfusion syndrome: relationship of coronary blood flow reserve to left ventricular function and infarct size, 1162
- Response to incremental doses of dobutamine early after reperfusion is predictive of the degree of myocardial salvage in dogs with experimental acute myocardial infarction, 1960
- Role of ischemia and infarction in late right ventricular dysfunction after atrial repair of transposition of the great arteries, 1661
- Serum insulin-like growth factor-I level is independently associated with coronary artery disease progression in young male survivors of myocardial infarction: beneficial effects of bezafibrate treatment, 647
- Treatment and outcome of myocardial infarction in hospitals with and without invasive capability, 371
- Treatment of myocardial infarction in a coronary care unit: a two-year experience with 250 patients (historical article), 49B
- Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974
- Myocardial ischemia**
See Ischemia
- Myocardial perfusion**
Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76
- Corrected coronary flow velocity reserve: a new concept for assessing coronary perfusion, 1713
- Functional significance of recruitable collaterals during temporary coronary occlusion evaluated by ^{99m}Tc-sestamibi single-photon emission computerized tomography, 624
- Incremental value of prognostic testing in patients with know of suspected ischemic heart disease: a basis for optimal utilization of exercise technetium-99m sestamibi myocardial perfusion single-photon emission computed tomography (historical article), 29B
- Intracoronary basic fibroblast growth factor enhances myocardial collateral perfusion in dogs, 519
- Myocardial perfusion and sympathetic innervation

- in patients with hypertrophic cardiomyopathy, 1867
- Myocardial viability**
End-diastolic wall thickness as a predictor of recovery of function in myocardial hibernation, 1152
- Myocarditis**
Antimyosin autoantibodies are associated with deterioration of systolic and diastolic left ventricular function in patients with chronic myocarditis, 11
- Myocytes**
Cytokine-induced nitric oxide production inhibits mitochondrial energy production and impairs contractile function in rat cardiac myocytes, 1338
- Myonecrosis**
Cardiac enzyme elevations after percutaneous coronary intervention: myonecrosis, the coronary microcirculation, and mortality (editorial), 1142
- Neointima**
Effect of glycoprotein IIb/1769a receptor blockade with abciximab on clinical and angiographic restenosis rate after the placement of coronary stents following acute myocardial infarction, 915
Effects of hydroxymethylglutaryl coenzyme A reductase inhibitor simvastatin on smooth muscle cell proliferation in vitro and neointimal formation in vivo after vascular injury, 214
Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331
Local paclitaxel delivery for the prevention of restenosis: biological effects and efficacy in vivo, 1969
Polymeric-based perivascular delivery of a nitric oxide donor inhibits intimal thickening after balloon denudation arterial injury: role of nuclear factor- κ B, 493
- Neonates**
See Infants
- Neopterin**
Serum neopterin and complex stenosis morphology in patients with unstable angina, 956
- Nicorandil**
Nicorandil, a potent cardioprotective agent, acts by opening mitochondrial ATP-dependent potassium channels, 514
Three minute, but not one minute, ischemia and nicorandil have a preconditioning effect in patients with coronary artery disease, 345
- Nicotinic acid**
Gemfibrozil, nicotinic acid and combination therapy in patients with isolated hypoalphalipoproteinemia: a randomized, open-label, crossover study, 640
- Nitric oxide**
Acute hemodynamic and neurohumoral effects of selective ET_A receptor blockade in patients with congestive heart failure, 1745
Comparison of the acute hemodynamic effects of inhaled nitric oxide and aerosolized iloprost in primary pulmonary hypertension, 176
Cytokine-induced nitric oxide production inhibits mitochondrial energy production and impairs contractile function in rat cardiac myocytes, 1338
Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271
Polymeric-based perivascular delivery of a nitric oxide donor inhibits intimal thickening after balloon denudation arterial injury: role of nuclear factor- κ B, 493
Pulmonary blood flow alters nitric oxide production in patients undergoing device closure of atrial septal defects, 463
Tetrahydrobiopterin restores endothelial function in long-term smokers, 71
- Norepinephrine**
Effects of moxonidine, a novel imidazoline, on plasma norepinephrine in patients with congestive heart failure, 398
Is the lower mortality in patients treated with aspirin and angiotensin-converting enzyme inhibitors due to decreased norepinephrine release? (letter), 817
- Occlusion**
Effect of plaque debulking and stenting on short- and long-term outcomes after revascularization of chronic total occlusions, 151
Functional significance of recruitable collaterals during temporary coronary occlusion evaluated by ^{99m}Tc-sestamibi single-photon emission computerized tomography, 624
- Omega-3 fatty acids**
Dietary supplementation with marine omega-3 fatty acids improve systemic large artery endothelial function in subjects with hypercholesterolemia, 265
- Orthopnea**
Expiratory flow limitation as a determinant of orthopnea in acute left heart failure, 690
- Outcome studies**
ACC training outcomes survey of recently trained cardiology fellows, 808
Acute myocardial infarction occurring in versus out of the hospital: patient characteristics and clinical outcome, 1820
Balloon angioplasty of native coarctation: clinical outcomes and predictors of success, 988
Bifurcation lesions: two stents versus one stent—immediate and follow-up results, 1145
Cardiac troponin T in chest pain unit patients without ischemic electrocardiographic changes: angiographic correlates and long-term clinical outcomes, 1827
Catastrophic outcomes of noncardiac surgery soon after coronary stenting, 1288
Echocardiographic predictors of clinical outcome in patients with left ventricular dysfunction enrolled in the SOLVD registry and trials: significance of left ventricular hypertrophy, 1237
Immediate and late outcomes after direct stent implantation without balloon predilation, 937
Immediate and long-term outcome of intracoronary stent implantation for true bifurcation lesions, 929
Long-term clinical and echocardiographic outcome of percutaneous mitral valvuloplasty, 169
Percutaneous revascularization of the internal mammary artery graft: short- and long-term outcomes, 944
Quality of life after coronary angioplasty or continued medical treatment for angina: three-year follow-up in the RITA-2 trial, 907
Seven-year outcome in the Bypass Angioplasty Revascularization Investigation (BARI) by treatment and diabetic status, 1122
- Oxygen consumption**
Oxygen consumption of the heart: newer concepts of its multifactorial determination (historical article), 45B
Prolonged recovery of cardiac output after maximal exercise in patients with chronic heart failure, 1228
Transmyocardial revascularization with CO₂ laser in patients with refractory angina pectoris, 1170
- Pacing**
Atrial pacing for the prevention of atrial fibrillation after cardiovascular surgery, 1416
Atrial pacing for the prevention of postoperative atrial fibrillation: how and where to pace? (editorial), 1423
Demonstration of the mechanism of transient entrainment and interruption of ventricular tachycardia with rapid atrial pacing (historical article), 38B
Effective prevention of atrial fibrillation by continuous atrial overdrive pacing after coronary artery bypass surgery, 1411
Multisite pacing for prevention of atrial tachyarrhythmias: potential mechanisms, 1939
Randomized trial comparing heparin initiation 6 or 24 h after pacemaker or defibrillator implantation, 1915
Regional myocardial blood flow in patients with sick sinus syndrome randomized to long-term single chamber atrial or dual chamber pacing—effect of pacing mode and rate, 1453
Ventricular contraction abnormalities in dilated cardiomyopathy: effect of biventricular pacing to correct interventricular dyssynchrony, 1221
- Paclitaxel**
Local paclitaxel delivery for the prevention of restenosis: biological effects and efficacy in vivo, 1969
- Patent ductus arteriosus**
Further experience with transcatheter closure of the patent ductus arteriosus using the Amplatzer duct occluder, 1016
- Patent foramen ovale**
Closure of patent foramen ovale for paradoxical emboli: intermediate-term risk of recurrent neurological events following transcatheter device placement, 1311
- Pediatric cardiology**
See also Congenital anomalies and defects
Atrial flutter in the perinatal age group: diagnosis, management and outcome, 771
Balloon angioplasty of native coarctation: clinical outcomes and predictors of success, 988
Balloon angioplasty of postsurgical reoarctation in infants, 207
Clinical features and management of isolated cleft mitral valve in childhood, 764
Early and intermediate-term complications of self-expanding stents limit its potential application in children with congenital heart disease, 1007
Further experience with transcatheter closure of the patent ductus arteriosus using the Amplatzer duct occluder, 1016
Reinterventions after repair of common arterial trunk in neonates and young infants, 1317
- Percutaneous mitral valvuloplasty**
Long-term clinical and echocardiographic outcome of percutaneous mitral valvuloplasty, 169
- Percutaneous transluminal coronary angioplasty**
Abciximab reduces mortality in diabetics following percutaneous coronary intervention, 922
Application of a continuous regression model of restenosis to saphenous vein grafts after successful percutaneous transluminal coronary angioplasty or directional coronary atherectomy, 619
Cardiac enzyme elevations after percutaneous coronary intervention: myonecrosis, the coronary microcirculation, and mortality (editorial), 1142

- Catastrophic outcomes of noncardiac surgery soon after coronary stenting, 1288
- Clinical and angiographic outcomes in patients with previous coronary artery bypass graft surgery treated with primary balloon angioplasty for acute myocardial infarction, 605
- Comparison of systematic stenting and conventional balloon angioplasty during primary percutaneous transluminal coronary angioplasty for acute myocardial infarction, 1729
- Diabetes mellitus and outcome after primary coronary angioplasty for acute myocardial infarction: lesson from the GUSTO-IIb Angioplasty Substudy, 1502
- Eight-year mortality in the Emory Angioplasty versus Surgery Trial (EAST), 1116
- Greater late lumen loss after successful coronary balloon angioplasty in the proximal left anterior descending coronary artery is not explained by extent of vessel wall damage or plaque burden, 382
- High dose heparin as pretreatment for primary angioplasty in acute myocardial infarction: The Heparin in Early Patency (HEAP) randomized trial, 600
- Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331
- Large, sustained cardiac lipid peroxidation and reduced antioxidant capacity in the coronary circulation after brief episodes of myocardial ischemia, 633
- Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040
- Measurement of postsystolic shortening to assess viability and predict recovery of left ventricular function after acute myocardial infarction, 1842
- Percutaneous transluminal coronary angioplasty: report from the registry of the National Heart, Lung, and Blood Institute (historical article), 35B
- Platelets and restenosis, 555
- Quality of life after coronary angioplasty or continued medical treatment for angina: three-year follow-up in the RITA-2 trial, 907
- Restenosis and clinical outcome in patients treated with amlodipine after angioplasty: results from the Coronary Angioplasty Amlodipine REStenosis Study (CAPARES), 592
- Seven-year outcome in the Bypass Angioplasty Revascularization Investigation (BARI) by treatment and diabetic status, 1122
- Three minute, but not one minute, ischemia and nicorandil have a preconditioning effect in patients with coronary artery disease, 345
- Value of acceleration flow and the prestentotic to stenotic coronary flow velocity ratio by trans-thoracic color Doppler echocardiography in noninvasive diagnosis of restenosis after percutaneous transluminal coronary angioplasty, 164
- Vascular remodeling and the local delivery of cytochalasin B after coronary angioplasty in humans, 583
- Perfusion**
See Myocardial perfusion
- Pericardial fluid**
Pericardial fluid from patients with unstable angina induces vascular endothelial cell apoptosis, 1785
- Pharmacies**
Pharmacy madness (editorial), 802
- Phytoestrogens**
Phytoestrogens and cardiovascular health (review), 1403
Phytoestrogens and vascular therapy (editorial), 1986
Plant-derived estrogens relax coronary arteries in vitro by a calcium antagonistic mechanism, 1977
- Pilsicainide**
Determination of refractory periods and conduction velocity during atrial fibrillation using atrial capture in dogs: direct assessment of the wavelength and its modulation by a sodium channel blocker, pilsicainide, 246
- Plasma**
Clinical significance of increased plasma concentration of macrophage colony-stimulating factor in patients with angina pectoris, 655
Contracted plasma and blood volume in chronic heart failure, 51
- Platelets**
Blood glucose and platelet-dependent thrombosis in patients with coronary artery disease, 300
Cross-sectional and diurnal study of thrombogenesis among patients with chronic atrial fibrillation, 1926
Platelets and restenosis, 555
- Postmenopausal women**
See also Women
Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271
Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185
Lack of association of lipoprotein(a) levels with coronary calcium deposits in asymptomatic postmenopausal women, 314
- Potassium channels**
Homozygosity for a HERG potassium channel mutation causes a severe form of long QT syndrome: identification of an apparent founder mutation in the finns, 1919
Nicorandil, a potent cardioprotective agent, acts by opening mitochondrial ATP-dependent potassium channels, 514
Roles of mitochondrial ATP-sensitive K channels and PKC in anti-infarct tolerance afforded by adenosine A₁ receptor activation, 238
- Pravastatin**
Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76
- Preconditioning**
Low-dose dipyridamole infusion acutely increases exercise capacity in angina pectoris, 83
Preconditioning, collateral recruitment and adenosine (letter), 259
Roles of mitochondrial ATP-sensitive K channels and PKC in anti-infarct tolerance afforded by adenosine A₁ receptor activation, 238
Three minute, but not one minute, ischemia and nicorandil have a preconditioning effect in patients with coronary artery disease, 345
- Pregnancy**
Peripartum cardiomyopathy: analysis of clinical outcome, left ventricular function, plasma levels of cytokines and Fas/APO-1, 701
Routine elective cesarean section is not justified for women with mechanical heart valves (letter), 1365
- Preload**
Color m-mode Doppler flow propagation velocity is a preload insensitive index of left ventricular relaxation: animal and human validation, 201
Single-beat determination of preload recruitable stroke work relationship: derivation and evaluation in conscious dogs, 502
- Primary pulmonary hypertension**
Comparison of the acute hemodynamic effects of inhaled nitric oxide and aerosolized iloprost in primary pulmonary hypertension, 176
Overdosing with prostacyclin in primary pulmonary hypertension (letter), 1995
- Prostacyclin**
Overdosing with prostacyclin in primary pulmonary hypertension (letter), 1995
- Prostheses**
Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739
Intravenous thrombolytic treatment of mechanical prosthetic valve thrombosis: a study using serial tranesophageal echocardiography, 1881
Observed and relative survival after aortic valve replacement, 747
Routine elective cesarean section is not justified for women with mechanical heart valves (letter), 1365
- Protein kinase C**
Roles of mitochondrial ATP-sensitive K channels and PKC in anti-infarct tolerance afforded by adenosine A₁ receptor activation, 238
- P selectin**
Cross-sectional and diurnal study of thrombogenesis among patients with chronic atrial fibrillation, 1926
- Pulmonary blood flow**
Determinants of forward pulmonary vein flow, 1947
Pulmonary blood flow alters nitric oxide production in patients undergoing device closure of atrial septal defects, 463
- Pulmonary edema**
Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema, 980
- QT syndrome**
Homozygosity for a HERG potassium channel mutation causes a severe form of long QT syndrome: identification of an apparent founder mutation in the finns, 1919
- Questionnaires**
Development and evaluation of the Kansas City cardiomyopathy questionnaire: a new health status measure for heart failure, 1245
- Quinapril**
Comparative study of ACE-inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
- Radiofrequency ablation**
Efficacy and safety of catheter ablation in octogenarians, 458
Mechanism, localization and cure of atrial arrhythmias occurring after a new intraoperative endocardial radiofrequency ablation procedure for atrial fibrillation, 442
Prospective randomized comparison of antiarrhythmic therapy versus first-line radiofrequency ablation in patients with atrial flutter, 1898
Radiofrequency catheter ablation of inappropriate sinus tachycardia guided by activation mapping, 451
Radiofrequency catheter ablation of supraventricular

tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428

Tracking dynamic conduction recovery across the cavotricuspid isthmus, 1478

Radiography

Role of thoracic ultrasonography for evaluation of patients with decompensated chronic heart failure, 1638

Radiopharmaceuticals

End-diastolic wall thickness as a predictor of recovery of function in myocardial hibernation, 1152

Functional significance of recruitable collaterals during temporary coronary occlusion evaluated by ^{99m}Tc-sestamibi single-photon emission computerized tomography, 624

Identification of severe coronary artery disease in patients with abnormal coronary territory on exercise thallium-201 imaging, 335

Incremental value of prognostic testing in patients with known suspected ischemic heart disease: a basis for optimal utilization of exercise technetium-99m sestamibi myocardial perfusion single-photon emission computed tomography (historical article), 29B

Reactive hyperemia

Comparison of angiotensin-converting enzyme inhibitors, calcium antagonists, beta-blockers, and diuretic agents on reactive hyperemia in patients with essential hypertension: a multicenter study, 284

Regeneration

Acute and chronic tissue response to coronary stent implantation: pathologic findings in human specimen, 157

Relaxation

Color m-mode Doppler flow propagation velocity is a preload insensitive index of left ventricular relaxation: animal and human validation, 201

Remodeling

Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy, 1654

Cardiac remodeling—Concepts and clinical implications: a consensus paper from an international forum on cardiac remodeling, 569

Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222

Electrocardiographic evolutionary changes and left ventricular remodeling after acute myocardial infarction, 127

Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo, 1040

Vascular remodeling and the local delivery of cytochalasin B after coronary angioplasty in humans, 583

Renal function

Use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalization, 1737

Renal insufficiency

Prognostic implications of renal insufficiency in asymptomatic and symptomatic patients with left ventricular systolic dysfunction, 681

Renin-angiotensin-aldosterone system

Baroreflex sensitivity and variants of the renin-angiotensin system genes, 194

Reperfusion

Comparative effects of pretreatment with captopril and losartan on cardiovascular protection in a rat model of ischemia-reperfusion, 787

Pressure-derived fractional collateral blood flow: a primary determinant of left ventricular recovery after reperfused acute myocardial infarction, 949

Prognostic implications of TIMI flow grade in the infarct related artery compared with continuous 12-lead ST-segment resolution analysis, 666

Reperfusion syndrome: relationship of coronary blood flow reserve to left ventricular function and infarct size, 1162

Response to incremental doses of dobutamine early after reperfusion is predictive of the degree of myocardial salvage in dogs with experimental acute myocardial infarction, 1960

Repolarization

High dispersion of ventricular repolarization after an implantable defibrillator shock predicts induction of ventricular fibrillation as well as unsuccessful defibrillation, 422

Repolarization alternans

Exploiting rate-related hysteresis in repolarization alternans to improve risk stratification for ventricular tachycardia, 1485

Restenosis

See also Stenosis

Application of a continuous regression model of restenosis to saphenous vein grafts after successful percutaneous transluminal coronary angioplasty or directional coronary atherectomy, 619

Effect of glycoprotein IIb/IIIa receptor blockade with abciximab on clinical and angiographic restenosis rate after the placement of coronary stents following acute myocardial infarction, 915

Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331

In-stent restenosis: long-term outcome and predictors of subsequent target lesion revascularization after repeat balloon angioplasty, 1569

In-stent restenosis: should an old device treat a new problem? (editorial), 1577

Local paclitaxel delivery for the prevention of restenosis: biological effects and efficacy in vivo, 1969

Percutaneous mitral commissurotomy for restenosis after surgical commissurotomy, 1295

Plaque inflammation in restenotic coronary lesions of patients with stable or unstable angina, 963

Platelets and restenosis, 555

Restenosis and clinical outcome in patients treated with amlodipine after angioplasty: results from the Coronary AngioPlasty Amlodipine REStenosis Study (CAPARES), 592

Value of acceleration flow and the prestenotic to stenotic coronary flow velocity ratio by transthoracic color Doppler echocardiography in noninvasive diagnosis of restenosis after percutaneous transluminal coronary angioplasty, 164

Vascular remodeling and the local delivery of cytochalasin B after coronary angioplasty in humans, 583

Resuscitation

See Cardiopulmonary resuscitation

Revascularization

Angiotensin-converting Enzyme Inhibition Post Revascularization Study (APRES), 881

Early postoperative changes in regional systolic and

diastolic left ventricular function after

transmyocardial laser revascularization, 1022

Effect of plaque debulking and stenting on short- and long-term outcomes after revascularization of chronic total occlusions, 151

In-stent restenosis: long-term outcome and predictors of subsequent target lesion revascularization after repeat balloon angioplasty, 1569

Percutaneous revascularization of the internal mammary artery graft: short- and long-term outcomes, 944

Seven-year outcome in the Bypass Angioplasty Revascularization Investigation (BARI) by treatment and diabetic status, 1122

Transmyocardial revascularization with CO₂ laser in patients with refractory angina pectoris, 1170

Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974

Right ventricle

See also Ventricular function

Role of ischemia and infarction in late right ventricular dysfunction after atrial repair of transposition of the great arteries, 1661

Risk assessment and stratification

Assessment of cardiac risk before nonvascular surgery, 1647

Exploiting rate-related hysteresis in repolarization alternans to improve risk stratification for ventricular tachycardia, 1485

Risk stratification in unstable coronary artery disease, 1791

Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974

Risk factors

Lack of association of lipoprotein(a) levels with coronary calcium deposits in asymptomatic postmenopausal women, 314

Lipoprotein(a) is a risk factor for occurrence of acute myocardial infarction in patients with coronary vasospasm, 1200

Observed and relative survival after aortic valve replacement, 747

Prevalence, predisposing factors, and prognosis of clinically unrecognized myocardial infarction in the elderly, 119

Saphenous vein

Acute coronary insufficiency (impending acute myocardial infarction and myocardial infarction) surgical treatment by the saphenous vein graft technique (historical article), 18B

Application of a continuous regression model of restenosis to saphenous vein grafts after successful percutaneous transluminal coronary angioplasty or directional coronary atherectomy, 619

Comparison of debulking followed by stenting versus stenting alone for saphenous vein graft aortoostial lesions: immediate and one-year clinical outcomes, 1560

Procedural results and intermediate clinical outcomes after multiple saphenous vein graft stenting, 389

Scintigraphy

End-diastolic wall thickness as a predictor of recovery of function in myocardial hibernation, 1152

Senning operation

Radiofrequency catheter ablation of supraventricular tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428

Shock

Predictors of cardiogenic shock after thrombolytic therapy for acute myocardial infarction, 136

Shunt

Pulmonary atresia with intact ventricular septum percutaneous radiofrequency-assisted valvotomy and balloon dilation versus surgical valvotomy and Blalock Taussig shunt, 468

Sick sinus syndrome

Regional myocardial blood flow in patients with sick sinus syndrome randomized to long-term single chamber atrial or dual chamber pacing—effect of pacing mode and rate, 1453

Signal-regulated kinases

Increased expression of extracellular signal-regulated kinase and angiotensin-converting enzyme in human atria during atrial fibrillation, 1669

Signal transduction

Roles of mitochondrial ATP-sensitive K channels and PKC in anti-infarct tolerance afforded by adenosine A₁ receptor activation, 238

Simvastatin

Effects of hydroxymethylglutaryl coenzyme A reductase inhibitor simvastatin on smooth muscle cell proliferation in vitro and neointimal formation in vivo after vascular injury, 214

Single-photon emission computed tomography

Cholesterol reduction improves myocardial perfusion abnormalities in patients with coronary artery disease and average cholesterol levels, 76

Functional significance of recruitable collaterals during temporary coronary occlusion evaluated by ^{99m}Tc-sestamibi single-photon emission computerized tomography, 624

Incremental value of prognostic testing in patients with known suspected ischemic heart disease: a basis for optimal utilization of exercise technetium-99m sestamibi myocardial perfusion single-photon emission computed tomography (historical article), 29B

Sinus rhythm

Clinical and echocardiographic characteristics of left atrial spontaneous echo contrast in sinus rhythm, 1932

Sinus tachycardia

Radiofrequency catheter ablation of inappropriate sinus tachycardia guided by activation mapping, 451

Smoking

Effects of vitamin E on chronic and acute endothelial dysfunction in smokers, 277

Mechanism of protection against vascular smoking-induced changes by hormone replacement therapy (letter), 815

Oral vitamin C and endothelial function in smokers: short-term improvement, but no sustained beneficial effect, 1616

Tetrahydrobiopterin restores endothelial function in long-term smokers, 71

Smooth muscle cells

Effects of hydroxymethylglutaryl coenzyme A reductase inhibitor simvastatin on smooth muscle cell proliferation in vitro and neointimal formation in vivo after vascular injury, 214

Vascular actions of brain natriuretic peptide: modulation by atherosclerosis and neural endopeptidase inhibition, 796

Snoring

Snoring and risk of cardiovascular disease in women, 308

Sodium channel blockers

Determination of refractory periods and conduction velocity during atrial fibrillation using atrial capture in dogs: direct assessment of the wavelength and its modulation by a sodium channel blocker, pilsicainide, 246

Sotalol

Intravenous sotalol decreases transthoracic cardioversion energy requirement for chronic atrial fibrillation in humans: assessment of the electrophysiological effects by atrial basket electrodes, 1434

Squalene

Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185

Statins

See HMG CoA reductase inhibitors

Stenosis

See also Restenosis

Corrected coronary flow velocity reserve: a new concept for assessing coronary perfusion, 1713

Pressure recovery and aortic stenosis (letter), 260

Serum neopterin and complex stenosis morphology in patients with unstable angina, 956

Stenting

Acute and chronic tissue response to coronary stent implantation: pathologic findings in human specimen, 157

Bifurcation lesions: two stents versus one stent—immediate and follow-up results, 1145

Catastrophic outcomes of noncardiac surgery soon after coronary stenting, 1288

Comparison of debulking followed by stenting versus stenting alone for saphenous vein graft aortoostial lesions: immediate and one-year clinical outcomes, 1560

Comparison of systematic stenting and conventional balloon angioplasty during primary percutaneous transluminal coronary angioplasty for acute myocardial infarction, 1729

Coronary flow velocity immediately after primary coronary stenting as a predictor of ventricular wall motion recovery in acute myocardial infarction, 1835

Early and intermediate-term complications of self-expanding stents limit its potential application in children with congenital heart disease, 1007

Effect of glycoprotein IIb/1769a receptor blockade with abciximab on clinical and angiographic restenosis rate after the placement of coronary stents following acute myocardial infarction, 915

Effect of plaque debulking and stenting on short- and long-term outcomes after revascularization of chronic total occlusions, 151

Immediate and late outcomes after direct stent implantation without balloon predilation, 937

Immediate and long-term outcome of intracoronary stent implantation for true bifurcation lesions, 929

Influence of treatment modality on angiographic outcome after coronary stenting in diabetic patients: a controlled study, 1554

Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331

In-stent restenosis: long-term outcome and predictors of subsequent target lesion revascularization after repeat balloon angioplasty, 1569

In-stent restenosis: should an old device treat a new problem? (editorial), 1577

Longitudinal straightening effect of stents is an additional predictor for major adverse cardiac events, 1580

Long-term clinical events following creatine kinase-myocardial band isoenzyme elevation after successful coronary stenting, 1134

Procedural results and intermediate clinical outcomes after multiple saphenous vein graft stenting, 389

Procedural results and late clinical outcomes after percutaneous interventions using long (≥ 25 mm) versus short (< 20 mm) stents, 612

Safety and efficacy of elective carotid artery stenting in high-risk patients, 1721

Stereolithography

Stereolithographic biomodeling to create tangible hard copies of cardiac structures from echocardiographic data, 230

Sterols

Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185

Stress

Effects of controlled breathing, mental activity and mental stress with or without verbalization on heart rate variability, 1462

Stress echocardiography

Pharmacologic stress echocardiography: can we forget “state-of-the-art” protocols?, 1995

Safety and clinical impact of ergonovine stress echocardiography for diagnosis of coronary vasospasm, 1850

Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema, 980

Stress testing

See Exercise testing

Stroke

Evolving role of statins in the management of atherosclerosis (review article), 1

Safety and efficacy of elective carotid artery stenting in high-risk patients, 1721

Stroke with intermittent atrial fibrillation: incidence and predictors during aspirin therapy, 183

Ultrasonographic demonstration of manipulation-related aortic injuries after cardiac surgery, 1303

Stroke work

Single-beat determination of preload recruitable stroke work relationship: derivation and evaluation in conscious dogs, 502

ST segment

Early angiography versus conservative treatment in patients with non-ST elevation acute myocardial infarction, 895

Effect of resting ST segment depression on the diagnostic characteristics of the exercise treadmill test, 1206

Optimal management of non-ST segment elevation myocardial infarction remains unclear (editorial), 903

Persistent ST segment depression in precordial leads V5-V6 after Q-wave anterior wall myocardial infarction is associated with restrictive physiology of the left ventricle, 352

Prognostic implications of TIMI flow grade in the infarct related artery compared with continuous 12-lead ST-segment resolution analysis, 666

Prognostic significance of ST segment depression in lateral leads I, aVL, V₅ and V₆ on the admission electrocardiogram in patients with a first acute myocardial infarction without ST segment elevation, 1813

Sudden death

- Clinical profile of congenital coronary artery anomalies with origin from the wrong aortic sinus leading to sudden death in young competitive athletes, 1493
- Morphology and significance of the left ventricular collagen network in young patients with hypertrophic cardiomyopathy and sudden cardiac death, 37

Sulfonylurea drugs

- Risk of sulfonylurea drugs is underappreciated, 820

Supraventricular tachycardia

- Radiofrequency catheter ablation of supraventricular tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428

Surgery

- See also* Ablation; Coronary artery bypass graft surgery; Radiofrequency ablation
- Abciximab reduces mortality in diabetics following percutaneous coronary intervention, 922
- Acute coronary insufficiency (impending acute myocardial infarction and myocardial infarction) surgical treatment by the saphenous vein graft technique (historical article), 18B
- Assessment of cardiac risk before nonvascular surgery, 1647
- Atrial pacing for the prevention of atrial fibrillation after cardiovascular surgery, 1416
- Catastrophic outcomes of noncardiac surgery soon after coronary stenting, 1288
- Clinical and angiographic outcomes in patients with previous coronary artery bypass graft surgery treated with primary balloon angioplasty for acute myocardial infarction, 605
- Does coronary angiography before emergency aortic surgery affect in-hospital mortality?, 889
- Eight-year mortality in the Emory Angioplasty versus Surgery Trial (EAST), 1116
- Outcomes of cardiac surgery in patients age ≥ 80 years: results from the National Cardiovascular Network, 731
- Percutaneous mitral commissurotomy for restenosis after surgical commissurotomy, 1295
- Procedural results and intermediate clinical outcomes after multiple saphenous vein graft stenting, 389
- Repaired coarctation: a "cost-effective" approach to identify complications in adults, 997
- Seven-year outcome in the Bypass Angioplasty Revascularization Investigation (BARI) by treatment and diabetic status, 1122
- Transmyocardial revascularization with CO₂ laser in patients with refractory angina pectoris, 1170
- Ultrasonographic demonstration of manipulation-related aortic injuries after cardiac surgery, 1303

Syncope

- Distinct hemodynamic profiles in patients with vasovagal syncope: a heterogeneous population, 1470
- False positive head-up tilt: hemodynamic and neurohumoral profile, 188

Systolic function

- Early postoperative changes in regional systolic and diastolic left ventricular function after transmyocardial laser revascularization, 1022
- Improving the evaluation of left ventricular systolic function with intravenous perfluorocarbon ultrasound contrast: will suboptimal echocardiography become an endangered species? (editorial), 491
- Light-to-moderate alcohol consumption and prognosis in patients with left ventricular systolic dysfunction, 1753

- Measurement of postsystolic shortening to assess viability and predict recovery of left ventricular function after acute myocardial infarction, 1842

- Prognostic implications of renal insufficiency in asymptomatic and symptomatic patients with left ventricular systolic dysfunction, 681

Tachyarrhythmias

- Multisite pacing for prevention of atrial tachyarrhythmias: potential mechanisms, 1939

Tachycardia

- See* Ventricular tachycardia

T cells

- Shift in the myocardial adenine nucleotide translocator isoform expression pattern is associated with an enteroviral infection in the absence of an active T-cell dependent immune response in human inflammatory heart disease, 1778

Technology

- Predicting the future (editorial), 1361
- Technological advances and the next 50 years of cardiology, 81B, 1082

Testing

- See* Exercise testing

Tetrahydrobiopterin

- Tetrahydrobiopterin restores endothelial function in long-term smokers, 71

Three-dimensional echocardiography

- Stereolithographic biomodeling to create tangible hard copies of cardiac structures from echocardiographic data, 230

Thrombolytic therapy

- See also* Fibrinolysis
- Diabetes mellitus and outcome after primary coronary angioplasty for acute myocardial infarction: lesson from the GUSTO-IIb Angioplasty Substudy, 1502
- Early thrombolysis in acute myocardial infarction: limitation of infarct size and improved survival (historical article), 25B
- Intravenous thrombolytic treatment of mechanical prosthetic valve thrombosis: a study using serial transesophageal echocardiography, 1881
- Predictors of cardiogenic shock after thrombolytic therapy for acute myocardial infarction, 136
- Prognostic implications of TIMI flow grade in the infarct related artery compared with continuous 12-lead ST-segment resolution analysis, 666
- Thrombolysis is an effective and safe therapy in stuck bileaflet mitral valves in the absence of high-risk thrombi, 1874

Thrombomodulin

- Cross-sectional and diurnal study of thrombogenesis among patients with chronic atrial fibrillation, 1926

Thrombosis

- Blood glucose and platelet-dependent thrombosis in patients with coronary artery disease, 300
- Cross-sectional and diurnal study of thrombogenesis among patients with chronic atrial fibrillation, 1926
- Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739
- Platelets and restenosis, 555
- Thrombolysis is an effective and safe therapy in stuck bileaflet mitral valves in the absence of high-risk thrombi, 1874

Tissue responses

- Acute and chronic tissue response to coronary stent

- implantation: pathological findings in human specimen, 157

Tobacco use

- See* Smoking

Trace metals

- Mercury and idiopathic dilated cardiomyopathy (letter), 819

Tranilast

- Inhibition of neointima formation by tranilast in pig coronary arteries after balloon angioplasty and stent implantation, 1331

Transplantation

- Effects of bradykinin on coronary blood flow and vasomotion in transplant patients, 1607

Transposition of the great arteries

- Describing patients with discordant ventriculoarterial connections (letter), 821
- Radiofrequency catheter ablation of supraventricular tachycardia substrates after Mustard and Senning operations for *d*-transposition of the great arteries, 428
- Role of ischemia and infarction in late right ventricular dysfunction after atrial repair of transposition of the great arteries, 1661

Troponin T

- Cardiac troponin T in chest pain unit patients without ischemic electrocardiographic changes: angiographic correlates and long-term clinical outcomes, 1827
- Predictive value of C-reactive protein and troponin T in patients with unstable angina: a comparative analysis, 1535
- Risk stratification in unstable coronary artery disease, 1791

Tumor necrosis factor

- Angiotensin II type 1 receptor antagonist decreases plasma levels of tumor necrosis factor alpha, interleukin-6 and soluble adhesion molecules in patients with chronic heart failure, 714
- Role of tumor necrosis factor in the pathophysiology of heart failure (review), 537

Ultrasound

- Greater late lumen loss after successful coronary balloon angioplasty in the proximal left anterior descending coronary artery is not explained by extent of vessel wall damage or plaque burden, 382
- Improving the evaluation of left ventricular systolic function with intravenous perfluorocarbon ultrasound contrast: will suboptimal echocardiography become an endangered species? (editorial), 491
- Morphology of vulnerable coronary plaque: insights from follow-up of patients examined by intravascular ultrasound before an acute coronary syndrome, 106
- Role of thoracic ultrasonography for evaluation of patients with decompensated chronic heart failure, 1638
- Ten-fold augmentation of endothelial uptake of vascular endothelial growth factor with ultrasound after systemic administration, 1678
- Ultrasonographic demonstration of manipulation-related aortic injuries after cardiac surgery, 1303

Valvotomy

- Pulmonary atresia with intact ventricular septum percutaneous radiofrequency-assisted valvotomy and balloon dilation versus surgical valvotomy and Blalock Taussig shunt, 468

Valvular disease

- Clinical characteristics of a familial inherited myxomatous valvular dystrophy mapped to Xq28, 1890

Valvular prostheses

- Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739
- Intravenous thrombolytic treatment of mechanical prosthetic valve thrombosis: a study using serial transesophageal echocardiography, 1881
- Observed and relative survival after aortic valve replacement, 747
- Routine elective cesarean section is not justified for women with mechanical heart valves (letter), 1365

Valvular replacement

- Early and long-term (one-year) effects of the association of aspirin and oral anticoagulant on thrombi and morbidity after replacement of the mitral valve with the St. Jude Medical Prosthesis, 739
- Observed and relative survival after aortic valve replacement, 747

Valvular surgery

- Percutaneous mitral commissurotomy for restenosis after surgical commissurotomy, 1295

Valvuloplasty

- Long-term clinical and echocardiographic outcome of percutaneous mitral valvuloplasty, 169

Vascular tone

- Endothelium: a new target for cardiovascular therapies (editorial comment), 67

Vasoconstriction

- Coronary microcirculatory vasoconstriction during ischemia in patients with unstable angina, 327

Vasodilation

- Comparative study of ACE-inhibition, angiotensin II antagonism, and calcium channel blockade on flow-mediated vasodilation in patients with coronary disease (BANFF Study), 60
- Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation, 706
- Effects of vitamin E on chronic and acute endothelial dysfunction in smokers, 277
- Endothelial vasodilator function is related to low-density lipoprotein particle size and low-density lipoprotein vitamin E content in type 1 diabetes, 292

Vasopressin

- Survival with full neurologic recovery and no cerebral pathology after prolonged cardiopulmonary resuscitation with vasopressin in pigs, 527

Vasospasm

- Lipoprotein(a) is a risk factor for occurrence of acute myocardial infarction in patients with coronary vasospasm, 1200
- Renaissance of provocative testing for coronary spasm? (editorial), 1857
- Safety and clinical impact of ergonovine stress echocardiography for diagnosis of coronary vasospasm, 1850

Ventricular fibrillation

- High dispersion of ventricular repolarization after an implantable defibrillator shock predicts induction of ventricular fibrillation as well as unsuccessful defibrillation, 422
- Out-of-hospital ventricular fibrillation in patients with acute myocardial infarction, 144

Ventricular function

- See also* Left ventricle; Right ventricle

Antimyosin autoantibodies are associated with deterioration of systolic and diastolic left ventricular function in patients with chronic myocarditis, 11

Color m-mode Doppler flow propagation velocity is a preload insensitive index of left ventricular relaxation: animal and human validation, 201

Contracted plasma and blood volume in chronic heart failure, 51

Contrast echocardiography clarifies uninterpretable wall motion in intensive care unit patients, 485

Coronary flow velocity immediately after primary coronary stenting as a predictor of ventricular wall motion recovery in acute myocardial infarction, 1835

Early changes in left ventricular function in chronic asymptomatic alcoholics: relation to the duration of heavy drinking, 1599

Early postoperative changes in regional systolic and diastolic left ventricular function after transmyocardial laser revascularization, 1022

Echocardiographic predictors of clinical outcome in patients with left ventricular dysfunction enrolled in the SOLVD registry and trials: significance of left ventricular hypertrophy, 1237

Effects of long-term therapy with bosentan on the progression of left ventricular dysfunction and remodeling in dogs with heart failure, 222

Electrocardiographic evolutionary changes and left ventricular remodeling after acute myocardial infarction, 127

Expression of vascular endothelial growth factor in patients with acute myocardial infarction, 968

Lack of effect of coenzyme Q on left ventricular function in patients with congestive heart failure (letter), 816

Measurement of postsystolic shortening to assess viability and predict recovery of left ventricular function after acute myocardial infarction, 1842

Peripartum cardiomyopathy: analysis of clinical outcome, left ventricular function, plasma levels of cytokines and Fas/APO-1, 701

Pressure-derived fractional collateral blood flow: a primary determinant of left ventricular recovery after reperfused acute myocardial infarction, 949

Remote myocardial dysfunction after acute anterior myocardial infarction: impact of left ventricular shape on regional function, 1525

Reperfusion syndrome: relationship of coronary blood flow reserve to left ventricular function and infarct size, 1162

Role of ischemia and infarction in late right ventricular dysfunction after atrial repair of transposition of the great arteries, 1661

Ventricular contraction abnormalities in dilated cardiomyopathy: effect of biventricular pacing to correct interventricular dyssynchrony, 1221

Ventricular tachycardia

Catheter ablation of ventricular tachycardia in patients with structural heart disease using cooled RF energy, 1905

Demonstration of the mechanism of transient entrainment and interruption of ventricular tachycardia with rapid atrial pacing (historical article), 38B

Epicardial approach to the ablation of ventricular tachycardia in coronary artery disease: an alternative or ancillary approach (editorial), 1450

Exploiting rate-related hysteresis in repolarization

alternans to improve risk stratification for ventricular tachycardia, 1485

Mapping and ablation of ventricular tachycardia guided by virtual electrograms using a noncontact, computerized mapping system, 414

Nonsurgical transthoracic epicardial catheter ablation to treat recurrent ventricular tachycardia occurring later after myocardial infarction, 1442

Radiofrequency catheter ablation of inappropriate sinus tachycardia guided by activation mapping, 451

Ventricular wall motion

Contrast echocardiography clarifies uninterpretable wall motion in intensive care unit patients, 485

Coronary flow velocity immediately after primary coronary stenting as a predictor of ventricular wall motion recovery in acute myocardial infarction, 1835

Verapamil

Heart rate-lowering drugs such as verapamil improve aerobic exercise performance in healthy elderly individuals: a new way to look at left ventricular diastolic function in the elderly (letter), 1697

Vitamins

Effects of vitamin E on chronic and acute endothelial dysfunction in smokers, 277

Endothelial vasodilator function is related to low-density lipoprotein particle size and low-density lipoprotein vitamin E content in type 1 diabetes, 292

Improvement of endothelial function and insulin sensitivity with vitamin C in patients with coronary spastic angina: possible role of reactive oxygen species, 1860

Oral vitamin C and endothelial function in smokers: short-term improvement, but no sustained beneficial effect, 1616

Warfarin

Randomized trial comparing heparin initiation 6 or 24 h after pacemaker or defibrillator implantation, 1915

Women

See also Postmenopausal women; Pregnancy

Apolipoprotein E genotype: epsilon32 women are protected while epsilon43 and epsilon44 men are susceptible to ischemic heart disease, 1192

Effects of L-arginine on endothelium-dependent vasodilation and markers of inflammation in healthy postmenopausal women, 271

Independent association of serum squalene and noncholesterol sterols with coronary artery disease in postmenopausal women, 1185

Lack of association of lipoprotein(a) levels with coronary calcium deposits in asymptomatic postmenopausal women, 314

Risk stratification in unstable coronary artery disease, 1791

Snoring and risk of cardiovascular disease in women, 308

Utilization of coronary angiography and revascularization after acute myocardial infarction in men and women risk stratified by the American College of Cardiology/American Heart Association guidelines, 974