SUBJECT INDEX

AAC. See Aortic annular calcification
Abciximab
adjunctive, and PCI, ST segment analysis in AMI after, 48
effect on myocardial reperfusion after PCI for STEMI, 798
effects on platelet inhibition, 798
in patients undergoing high-risk PCI, 489
for thrombocytopenia, 426
Ablation. See also Catheter ablation; Septal ablation
of His bundle, left ventricular remodeling during long-term right ventricular pac-
ing after, 1223
pulmonary vein, use of esophageal leads in determining strategies of, 1494
slow pathway, effects on electrophysiologic characteristics of atrioventricular
nodal reentry tachycardia, 860
ACC/AHA. See American College of Cardiology/American Heart Association
ACE inhibitors. See Angiotensin-converting enzyme inhibitors
ACS. See Acute coronary syndrome
Activated clotting time, optimal, during carotid artery stenting, 1657

Acute coronary syndrome
drawbacks of nonrandomized clinical trials, 151 (Readers’ Comments)
intravascular ultrasound of coronary arteries during PCI in, 29
non-ST-elevation
effects of drug-eluting vs bare metal stents on biomarkers after PCI for, 1473
frequency and consequences of electrocardiogram recording >10 minutes
after ER arrival, 437
impact of CHF, 1707
prediction of long-term morality by biomarkers, 167
troponin T and ST segment in lead aVR in, 334
relation of blood glucose to long-term mortality in, 1573
serum levels of inflammatory markers in patients with
and coronary vasospasm without CAD, 1429
and stable angina with CAD, 1429

Acute myocardial infarction
after PCI and adjunctive abciximab, ST segment analysis, 48
effect of reactive hyperemia on myocardial tissue reperfusion in, 617
left ventricular systolic vs diastolic function as outcome predictor, 160
prognostic effects of distal vs proximal coronary occlusion, 1137
angiographic no-reflow phenomenon during stent implantation, 301
anterol wall, and after PCI, coronary microvascular resistance during, 1131
in apparently healthy subjects aged ~55 years, relation to ventricular arrhyth-
mas, 1351
coronary thrombus of patients with fibrin in, 26
platelets in, 26
tissue factor in, 26
von Willebrand factor in, 26
effect of β-blockers on survival after, 1125 (Readers’ Comments)
effects of optimized medical and revascularization therapy on incidence of sud-
den cardiac death after, 480
effects of statins on CHF and myocardial ischemia in Japanese patients with,
1165
gender differences of revascularization in, 1722
mortality prediction using
QRS wave, 353
T wave, 353
N-terminal ProBNP on patient admission, relation to scintigraphic infarct size,
reperfusion efficacy and prognosis, 1151
outcomes
after balloon angioplasty vs stent implantation, 977
in-hospital, prediction by white blood cell count and plasma glucose, 1558
prediction by acute root dimension in persons ~65 years of age, 270
of President Eisenhower in 1955, 1125 (Readers’ Comments)
relation of B-type natriuretic peptide to left ventricular diastolic function and
extent of myocardial scar early after, 1146
return to full normal activities including work at 2 weeks after, 952
risk of recurrence, relation to statin initiation after hospital discharge in patients
~65 years of age, 115
routine admission laboratory tests to predict thirty-day mortality in, 1435
SPECT vs myocardial contrast echocardiography to predict transmurality of,
1718
vs unstable angina pectoris, vs stable angina pectoris, serum MMP-9 in, 175
Acute pulmonary embolism
bedside testing for brain natriuretic peptides to identify right ventricular dysfunc-
tion and outcome in, 1396
predictors of hemorrhage after fibrinolyis for, 127
Adiponectin, in type 2 diabetes, effects of rosiglitazone monotherapy vs combination
with atorvastatin, 646
Adolescents, incidence and risk factors of heart failure in congenital heart disease
after cardiac surgery, 1238
Adults
with CAD, and with vs without metabolic syndrome, effect of simvastatin on outcomes of, 1487
incidence and risk factors of heart failure in congenital heart disease after car-
diac surgery, 1238
with operated tetralogy of Fallot, relation of biventricular dysfunction to elevated
NT–pro-BNP and reduced exercise capacity, 1377

Aerobic exercise. See Exercise
African-Americans
admitted for CHF at a university teaching hospital, quality of care in, 690
vs Caucasians, phenotypic predictors of response to simvastatin therapy, 943
efficacy and safety of rosuvastatin vs atorvastatin for hypercholesterolemia, 229
men and women, blood pressure stress reactivity and left ventricular mass
among, 240
vs non–African-Americans, with chronic heart failure, metabolic vasodilation in
response to exercise, ischemia, and endothelium-dependent flow-mediated
dilation, 685

Aged
50 to 79 years, QT interval and subintervals from ethnically diverse population
of women, 730
70 to 79 years, relation of social integration to CRP and IL-6 levels in men and
women, 1010
~65 years
aortic root dimension in predicting heart failure, stroke, cardiovascular mor-
tality, all-cause mortality and AMI, 270
left atrium in systolic vs diastolic heart failure, 83
time of statin initiation after hospital discharge, relation to mortality and risk
of recurrence in AMI patients, 155
~65 years, relation of ACE inhibitor treatment to IGF-I serum levels, 1525
Air pollution, relation to hospital admissions for CHF in seven United States cities,
404

Alcohol
septal ablation, for obstructive hypertrophic cardiomyopathy
predictors of subacute complete heart block after, 264
time course of pressure gradient response after, 1511

Aldosterone
levels in coronary sinus and ascending aorta
of aortic stenosis patients, 1068, 1107 (Editorial)
of CHD patients, 1068, 1107 (Editorial)
plasma levels, for prediction of in-stent restenosis, 785

American College of Cardiology/American Heart Association
guidelines on perioperative anticoagulation in patients with mechanical valves,
adherence to, 891

American Journal of Cardiology, proceedings of the Editorial Board meeting on 13
March 2006, 1670 (From the Editor)

AMI. See Acute myocardial infarction
Amiodarone, causing severe ataxia, 1550 (Readers’ Comments)
Amplater septal occluder, cardiac conduction disturbances and ventricular
arrhythmias after transcatheter closure of muscular ventricular septal
defects, 558
Androgenic anabolic steroids, effects on left ventricular diastolic function in male body builders, 912

Aneurysm
abdominal aortic
and cardiovascular disease in men, 1123 (Readers' Comments)
risk in CAD, peripheral arterial disease as marker of, 1549 (Readers' Comments)
size of, and mortality in patients treated with and without statins, 279
atrial septal, familial origin of, 148
left ventricular apical, and hypertrophic cardiomyopathy in identical twins, 1109

Angina pectoris
pre-MI, effect on reperfusion arrhythmias, 1157
refractory
transendocardial autologous bone marrow transplantation for, 823
two-year outcomes after EEP, 17
severe, intramyocardial injection of autologous bone marrow-derived mononuclear cells for, 1326
stable
and ACS with CAD, vs coronary vasospasm without CAD, serum levels of inflammatory markers in patients with, 1429
angiogenic factors in, 472
effects of high vs low clopidogrel loading dose on patients subjected to PCI, 984
soluble CD40 ligand in prediction of stent restenosis, 198
and unstable, safety and efficacy of cobalt-chromium alloy-based stent for, 349
vs unstable, vs AMI, serum MMP-9 in, 175
unstable
effects of morning vs evening atorvastatin intake after first elective PCI, 44
impact of clopidogrel on circulating levels of soluble CD40 ligand in patients undergoing coronary stenting, 192
relation to heart rate variability to serum CRP, 1702
vasoplastic, intravascular ultrasound of coronary vasospasm induced by ergonovine maleate in, 1322
Angiogenesis, therapeutic, in CHD, placebo effect on, 152 (Readers' Comments)

Angiogenic factors
relation to development of collateral vessels, angiographic evaluation, 472
in stable angina pectoris and total coronary artery occlusion, 472
Angiography, See also Coronary angiography
adverse events during PCI, relation to CK-MB elevation and ischemic end points, 1591
AMI
after PCI, prognostic effects of distal vs proximal coronary occlusion on, 1137
no-reflow phenomenon during stent implantation in, 301
CAD
contrast-enhanced MRI in detection of myocardial scar in, 768
gender differences in relation of renal impairment to long-term mortality and, 630
relation of ascending aortic pressures to outcomes in patients with, 590 (Readers' Comments)
relation of carotid intima-media thickness to severity and extent of, 624
severity in diabetes mellitus, relation to hemoglobin A1c levels, 968
early outcome of ostial de novo left anterior descending coronary artery lesions treated with drug-eluting stents, 187
multidetector row spiral computed tomography for detection of significant coronary artery stenosis, 343
relation of development of collateral vessels to angiogenic factors, 472
restenosis after implantation of overlapping sirolimus-eluting (Cypher) stents, 499
safety and efficacy of cobalt-chromium alloy-based stent for stable and unstable angina pectoris, 349
transfemoral coronary, manual pressure hemostasis after, effectiveness in patients on warfarin anticoagulation, 485
Angioplasty, See also Percutaneous transluminal coronary angioplasty balloon
vs stent implantation, outcomes of AMI after, 977
vs vascular brachytherapy vs drug-eluting stents, safety and efficacy for saphenous vein graft in-stent restenosis, 1303
primary coronary, vs fibrinolysis, ST-segment elevation for predicting outcomes after, 611
Angioscopy, serial, after intracoronary brachytherapy for in-stent restenosis, 21
Angiotensin-converting enzyme inhibitors
effect on infant-related coronary artery patency, 7
relation to IGF-I serum levels in subjects >65 years of age, 1525
use before STEMI, 7
Angiotensin II, levels in coronary sinus and ascending aorta
development of aortic stenosis patients, 1068, 1107 (Editorial)
of CHD patients, 1068, 1107 (Editorial)
Angiotensin receptor blockers, in prevention and treatment of arrhythmias, 921

Aorta
ascending
of aortic stenosis and CHD patients , levels of aldosterone, angiotensin II and B-type natriuretic peptides in, 1068, 1107 (Editorial)
pressures of, relation to outcomes in patients with angiographically demonstrated CAD, 590 (Readers' Comments)
distensibility and dimensions, in Turner syndrome, effects of growth hormone treatment, 1644
elastic properties of, in children after tetralogy of Fallot repair, 905
wall mechanics, in Marfan syndrome, assessment by transesophageal tissue Doppler echocardiography, 571
Aortic aneurysm, abdominal
and cardiovascular disease in men, 1123 (Readers' Comments)
risk in CAD, peripheral arterial disease as marker of, 1549 (Readers' Comments)
size of, and mortality in patients treated with and without statins, 279
Aortic annular calcification, relation to morbidity and mortality in community-dwelling elderly individuals, 1281
Aortic cross clamping, during major vascular surgery, effects of stents on renal function after, 1383
Aortic regurgitation, in children after tetralogy of Fallot repair, 905
Aortic root
dilation, in children after tetralogy of Fallot repair, 905
dimension in persons ≥65 years of age, in prediction of all-cause and cardiovascular mortality, 270
AMI, 270
heart failure, 270
stroke, 270
distensibility vs diameter, as risk factor in Marfan syndrome, 1422 (Readers' Comments)
Aortic valve
 calcification, relation of inflammation to risk factors of, 1502
heaviest known operatively-excised, 588
Aortic valve sclerosis, relation to morbidity and mortality in community-dwelling elderly individuals, 1281
Aortic valve stenosis
coronary sinus and ascending aorta levels of aldosterone, angiotensin II and B-type natriuretic peptide, 1068, 1107 (Editorial)
CRP as predictor of progression of, 90
apo-A-I, See Apolipoprotein A-I
apo-B, See Apolipoprotein B

Apolipoprotein A-I, effect on atherogenic particle number in predicting risk of fatal MI, 943
Apolipoprotein B
effect on atherogenic particle number in predicting risk of fatal MI, 943
and long-term risk of CHD in men, 997
phenotypic predictors of response to simvastatin therapy among African-American vs Caucasians, 843

Arrhythmias
after reperfusion, effect of pre-MI angina pectoris, 1157
caused by implantable cardioverter-defibrillators, 1255
prevention and treatment with angiotensin receptor blockers, 921
recurrence during pregnancy in women with previous tachyarrhythmia, impact on
total and neonatal outcomes, 1206
ventricular
after transcatheter closure of muscular ventricular septal defects using Am-
plazer occluder, 558
in CAD, effect of statins on risk of, 153 (Readers’ Comments)
high risk in patients with nonischemic dilated cardiomyopathy with syncope, 416
relation to all-cause mortality and AMI in apparently healthy subjects aged
≥55 years, 1351
worsening, in idiopathic dilated cardiomyopathy, prognostic value of CRT criteria
for, 393
Arrhythmogenic right ventricular dysplasia
in children, MRI diagnosis of, 1232
feasibility and variability of three-dimensional echocardiography vs MRI in, 703
Atrial stiffness, effects of quinapril, 916
Asian Indians
prediction of low-density lipoprotein particle size, phenotype B and particle con-
centrations by triglyceride/high-density lipoprotein ratio, 1007
relation of lipoprotein lipase polymorphism to dyslipidemia and diabetes, 1337
Aspirin
and clopidogrel
effects on platelet function, 38
long-term use after PCI, 38
effect on infarct-related coronary artery patency, 7
influence on length of hospitalization in major vascular surgery patients, 1423
reply to a reader’s comment, 294
resistance to, in type 1 vs type 2 diabetes, 567
sensitivity, rapid desensitization for parents with, 294 (Readers’ Comments)
use before STEMI, 7
Ataxia, severe, caused by amiodarone, 1550 (Readers’ Comments)
Atherosclerosis
characterization using intravascular ultrasound vs multidetector computed
tomography, 598
relation to left ventricular hypertrophy, effect of ethnicity, 1441
vs saphenous vein grafts, intravascular ultrasound of, 593
development of, influence of lipids, 372
particle size, in predicting risk of fatal MI
effects of apo-A-I, 943
effects of apo-B, 943
effects of low-density lipoprotein, 943
Atherosclerotic vascular disease. See Coronary artery disease; Peripheral arterial
disease; Stroke
Athletes, male bodybuilders, effects of androgenic anabolic steroids on left
ventricular diastolic function in, 912
Atorvastatin
benefits in CAD, effects of obesity, 1553
combination with rosiglitazone, vs rosiglitazone monotherapy, effects on biomar-
kers of cardiovascular disease in type 2 diabetes, 646
comparative safety of 80 mg vs 10 mg, 61
effect on recurrence of atrial fibrillation after electrical cardioversion, 1490
effects on endothelial function in hyperlipidemia, 1002
for heart failure secondary to inflammatory dilated cardiomyopathy and elevated
low-density lipoprotein cholesterol levels, 899
morning vs evening intake, effect on major cardiac events and restenosis rates
after first elective PCI, 44
vs rosuvastatin, efficacy and safety in hypercholesteremic African-Americans, 229
Atrial appendage, left, thrombus detection by transesophageal echocardiography 421
Atrial fibrillation
after CABG, effect of statins on risk of, 55, 1266 (Readers’ Comments), 1551
(Readers’ Comments)
frequency in mitral regurgitation secondary to mitral valve prolapse, 1039
incidence of, effects of CRP, complement C3 and C4, 245
incidence of cerebral ischemia in, role of hyperviscosity and inflammation, 1745
before isolated mitral valve replacement for rheumatic mitral stenosis, 1035
left atrial reverse remodeling after catheter ablation for, 1220
lone, first onset and recurrence, relation to high-sensitivity CRP, 659
in mitral stenosis after PBMV, one-year outcome of cardioversion of, 1045
new-onset, patterns and predictors of warfarin use in patients with, 538
with or without hypertension, CRP in, 1346
paroxysmal, paroxetine for depressed men with, 1749
persistent, before and after cardioversion, atrial and ventricular volume and func-
tion in, 1213
plasma atrial natriuretic peptide and brain natriuretic peptide levels after catheter
ablation of, 1741
recurrence after electrical cardioversion, effect of atorvastatin, 1490
selective inhibition of MMP and TIMPs in atrial and ventricular myocardium in
patients with, 532
time to first recurrence, relation to burden, 1343
Atrial natriuretic peptide. See Natriuretic peptides
Atrial remodeling, left
effects of quinapril, 916
reverse, after catheter ablation for atrial fibrillation, 1220
Atrial septal aneurysm, familial origin of, 148
Atrioventricular anulus, proximity to coronary arteries in young patients,
implications in catheter ablation, 1752
Atrioventricular delay
in CRT, Doppler optimization of, relation to invasive hemodynamics in heart
failure secondary to ischemic or idiopathic dilated cardiomyopathy, 552
echocardiographic evaluation, with dual-chamber pacing, long-term effects on
hypertrophic cardiomyopathy, 1769
Atrioventricular nodal reentry tachycardia
effects of slow pathway ablation on electrophysiologic characteristics of, 860
gender differences in electrophysiologic parameters, 384
Atrial. See also Left atrium; Right atrium
decreased function, contribution in pathogenesis of neurally mediated syncope, 1017
myocardium in patients with atrial fibrillation, selective induction of TIMPs and
MMP in, 532
right-to-left shunting, diagnosis with transesophageal vs transthoracic echocardi-
ography, 434 (Readers’ Comments)
volume and function, in persistent atrial fibrillation before and after cardiover-
sion, 1213
Autologous bone marrow–derived mononuclear cells, intramyocardial injection
for severe angina pectoris, 1326
for stress-induced myocardial ischemia, 1326
Autologous bone marrow transplantation, transcendocardial
for myocardial ischemia, 823
for refractory angina, 823
AVS. See Aortic valve sclerosis
Balloon dilatation
of peripheral pulmonary stenosis, efficacy of medium-sized cutting balloons vs
standard balloons, 1060
predilatation, effectiveness of “direct” stenting without, 316
Balloon valvuloplasty, percutaneous mitral, one-year outcome of cardioversion
of atrial fibrillation in mitral valve stenosis after, 1045
Barnard, Christiaan, 435 (Readers’ Comments)
β-blockers. See Beta-adrenergic blocking agents
Behçet’s disease, pulse-wave Doppler and Doppler tissue imaging of left ventricular
function in, 716
Beta-adrenergic blocking agents
dobutamine stress echocardiography in observing wall motion abnormalities
during recovery after administration of, 462
effect on infarct-related coronary artery patency, 7
effect on survival after AMI, 1125 (Readers’ Comments)
influence on length of hospitalization in major vascular surgery patients, 1423
use before STEMI, 7
Bifurcation lesions, coronary, long-term outcomes of sirolimus-eluting stent
implantation by crush technique, 1317
Biomarkers
after PCI for non-ST-elevation ACS, effects of drug-eluting vs bare metal stents, 1473
do of cardiovascular disease, in type 2 diabetes, effects of rosiglitazone mono-
therapy vs combination with atorvastatin, 646
lipid and lipoprotein, for CAD, 640
for predicting long-term mortality
in diabetes mellitus, 167
in non-ST-elevation ACS, 167

Blalock, Alfred, 435 (Readers’ Comments)

Blood flow, cerebral, decreased in CHF secondary to idiopathic dilated
cardiomyopathy, 1365
Blood flow velocity, diastolic septal, in hypertrophic cardiomyopathy vs hypertensive
left ventricular hypertrophy, 106
Blood pressure
ascending aortic, relation to outcomes in patients with angiographically demon-
strated CAD, 590 (Readers’ Comments)
effects of intravenous vs intrarenal fenoldopam on kidney function and blood
depression in patients undergoing cardiac catheterization, 1076
in healthy postmenopausal women, effects of vegetarian diet, 380
reactivity to stress, and left ventricular mass among Caucasian and Africa-Ameri-
can men and women, 240
rising, effects on cardiovascular disease in China, 1676 (Readers’ Comments)

Body mass index
effect on left ventricular cavity size and ejection fraction, 725
impact on systolic hypertension in lean Chinese, 839
increased
among Hispanic women, 68
and impaired endothelial function, 68
and leukocyte count, relation to metabolic syndrome, 835
relation to CAD severity in patients undergoing coronary angiography, 1277
Bone marrow–derived mononuclear cells, autologous, intramyocardial injection
for severe angina pectoris, 1326
for stress-induced myocardial ischemia, 1326
Bone marrow transplantation, autologous transcatheterial
for myocardial ischemia, 823
for refractory angina, 823
Brachial artery, flow-mediated dilation
circadian variation in idiopathic dilated cardiomyopathy, 699
in hyperlipidemia, effects of atorvastatin, 1002
Brachytherapy
vs drug-eluting stent implantation, intravascular ultrasound of restenosis after,
1292
intraorarly, for in-stent restenosis, serial angiography after, 21
vs drug-eluting stents, vs balloon angioplasty, safety and efficacy for
saphenous vein graft in-stent restenosis, 1303
Brain natriuretic peptides. See Natriuretic peptides
Breath tests, carbon monoxide to measure influence of prosthetic heart valves on
erythrocyte survival, 1374
Brewer, Hollis Bryan, Jr., 1791 (Conversation With the Editor)
Bundle branch block, left, with or without type 2 diabetes, extent of CAD in, 857
Bundle of His, left ventricular remodeling during long-term right ventricular pacing
after ablation of, 1223

CABG. See Coronary artery bypass grafting
CAD. See Coronary artery disease
Calcification, aortic and mitral valves
relation to morbidity and mortality in community-dwelling elderly individuals, 1281
risk factors of, relation to inflammation, 1502
Calcium, coronary
relation to ankle-brachial index, 181
relation to CHF, 1564
relation to left ventricular hypertrophy, effect of ethnicity, 1441
vs stress myocardial perfusion imaging, in apparently healthy siblings of indi-
viduals with premature CAD, 328
Cancer, tranesosophagal echocardiography in detection of
cardiac sources of embolism in, 894
nonbacterial thrombotic endocarditis in, 894
Carbon monoxide, breath, to measure influence of prosthetic heart valves on
erythrocyte survival, 1374
Cardiac catheterization
effects of intravenous vs intrarenal fenoldopam on kidney function and blood
pressure in patients undergoing, 1076
laboratory, and patient transfer for PCI, 591 (Readers’ Comments)
Cardiac output, gain from CRT in patients with CAD or idiopathic dilated
cardiomyopathy, 1358
Cardiac rehabilitation
new paradigm for resistance exercise guidelines, 281
12-week, heart rate recovery in heart failure patients after, 604
Cardiac resynchronization therapy
criteria, prognostic value for worsening heart failure or arrhythmia in idiopathic
dilated cardiomyopathy, 393
echocardiographic vs clinical parameters in assessment of response to, 250
effect on left ventricular reverse remodeling in CHF patients, 876
in heart failure secondary to ischemic or idiopathic dilated cardiomyopathy, rela-
tion of invasive hemodynamics to Doppler optimization of atrioventricular
delay in, 552
mechanism of diastolic mitral regurgitation in candidates for, 1611
optimal left ventricular pacing site and tissue synchronization imaging in, 1615
in patients with CAD or idiopathic dilated cardiomyopathy, mechanism of cardiac
output gain from, 1358
relation of right ventricular peak systolic pressure to major adverse events in,
1737
“response score” to predict hemodynamic and clinical outcomes, 1732
Cardiac surgery, clinician use of perioperative testing guidelines, effects on
outcomes, 118
Cardiac syndrome X, microvascular function, metabolic syndrome and risk factor
status in women with, 1727
Cardiac tamponade, repetitive yawning in, 1547 (Readers’ Comments)
Cardiac transplantation. See Heart transplantation
Cardiac volume, in persistent atrial fibrillation before and after cardioversion, 1213
Cardiologists
adherence to heart failure treatment guidelines, 151 (Readers’ Comments)
American, health behavior of, 1093
Cardiology, good books appearing in 2005, 430 (From the Editor)
Cardiomyopathy
Fabry’s, impact of enzyme replacement therapy on
heart morphology and function in, 1515
late enhancement in, 1515
hypertrophic
vs hypertensive left ventricular hypertrophy, diastolic septal perforator flow
velocities in, 106
and left ventricular apical aneurysms, in identical twins, 1109
long-term effects of dual-chamber pacing with echocardiographic evaluation of
atrioventricular delay, 1769
idiopathic dilated
circadian variation of endothelial function, 699
decreased cerebral blood flow in CHF secondary to, 1365
diastolic and systolic duration in children with heart failure due to, 101
disease management program vs primary care physician, 253
mechanism of cardiac output gain from CRT in patients with, 1358
prognostic value of CRT criteria for worsening heart failure and arrhythmia
in, 393
inflammatory dilated, atorvastatin for heart failure secondary to, 899
ischemic or idiopathic dilated
IVA and ejection fraction by tissue Doppler for assessment of left ventricular
systolic function in, 872
relation of invasive hemodynamics to Doppler optimization of atrioventricular
delay in CRT in heart failure secondary to, 552
ischemic or non-ischemic, effects of head-up tilt on QTc prolongation in, 412
nonischemic dilated, with syncope, high risk of ventricular arrhythmias in pa-
patients with, 416
obstructive hypertrophic
predictors of subacute complete heart block after alcohol septal ablation for, 264
time course of pressure gradient response after alcohol septal ablation for,
1511
SUBJECT INDEX 11
peripartum, incidence, mortality and risk factors, 1765
Cardioprotective effect, of vigorous vs moderate intensity aerobic exercise, 141
Cardiopulmonary exercise testing. See Exercise testing
Cardiopulmonary resuscitation, out-of-hospital, effects of thrombolysis during, 305
Cardiovascular disease
and abdominal aortic aneurysm in men, 1123 (Readers' Comments)
acuteness of, 1778
in osteoporotic postmenopausal women, effects of rolaxitene, 520
after CABG, prediction by CRP level, 1697
in China
effects of fast foods, 1676 (Readers' Comments)
effects of increasing serum cholesterol, 1676 (Readers' Comments)
effects of rising blood pressure, 1676 (Readers' Comments)
as complications of noncardiac surgery after PTCA vs stenting, 1188
in fetal heterotaxy syndrome, 720
risk factors for, role in cognitive impairment, 1262
risk stratification in metabolic syndrome and diabetes, stress SPECT for, 1538
in type 2 diabetes, effects of rosiglitazone monotherapy vs combination with atorvastatin on biomarkers of, 464
Cardioversion
atrial and ventricular volume and function in persistent atrial fibrillation before and after, 1213
of atrial fibrillation, in mitral stenosis after PBMV, one-year outcome, 1045
electrical, effect of atorvastatin on atrial fibrillation recurrence after, 1490
Cardioverter-defibrillator
eligibility criteria for patients in a specialized heart failure clinic, 882
implantable
causing arrhythmia, 1255
frequency and causes of inappropriate therapies, 1255
prevalence and predictors of electrical storm in users of, 389
prognostic value of restrictive mitral filling pattern, 676
inappropriate shocks of, relation to severity of heart failure symptoms, 544
inspection compliance, video-based training program for, 578
new paradigm for cardiac rehabilitation resistance exercise guidelines, 281
Carotid arteries
intima-media thickness, relation to angiographic severity and extent of CAD, 624
stenling, optimal activated clotting time during, 1657
stenosis, relation to obesity and metabolic syndrome in children, 528
Catheter ablation
for atrial fibrillation
left atrial reverse remodeling after, 1220
plasma atrial natriuretic peptide and brain natriuretic peptide levels after, 1741
implications of proximity of coronary arteries to atrioventricular annulus in young patients, 1752
Caucasian. See European continental ancestry group
CD40 ligand, soluble
circulating levels in patients with unstable angina undergoing coronary stenting, 206
impact of clopidogrel, 192
in predicting stent restenosis in stable angina, 198
in type 2 diabetes, effects of rosiglitazone monotherapy vs combination with atorvastatin, 464
CD44-v6, expression in smooth muscle cells in postnatal remodeling of ductus arteriosus, 1056
Cerebral blood flow, decreased in CHF secondary to idiopathic dilated cardiomyopathy, 1365
Cerebral ischemia
incidence in atrial fibrillation
role of hyperviscosity, 1745
role of inflammation, 1745
transesophageal echocardiography in detection of cardiac sources of embolism in, 894
nonbacterial thrombotic endocarditis in, 894
CHD. See Coronary heart disease
Chest pain
acute, frequency and timing of changes in TIMI risk score during ER stay in low-risk patients with, 781
troponin-positive, contrast-enhanced MRI in detection of myocardial scar in, 768
without preexisting myocardial ischemia, prognostic value of clinical risk score, 633
early exercise testing, 633
CHF. See Congestive heart failure
Children. See Pediatrics
Chinese cardiovascular disease
in effects of fast foods, 1676 (Readers' Comments)
effects of increasing serum cholesterol, 1676 (Readers' Comments)
effects of rising blood pressure, 1676 (Readers' Comments)
lean, systemic hypertension in impact of body mass index, 839
impact of dysglycemia, 839
impact of waist-to-hip ratio, 839
Cholesterol. See also High-density lipoproteins; Low-density lipoproteins
increasing serum levels, effects on cardiovascular disease in China, 1676 (Readers' Comments)
influence in CHD development, 372
management by targeting lower low-density lipoprotein concentration, 1667 (Editorial)
Chronic heart failure. See Heart failure
Chronic kidney disease, identification of CAD and left ventricular hypertrophy in asymptomatic patients with B-type natriuretic peptide, 1530
N-terminal ProBNP, 1530
Churg-Strauss syndrome, heart disease in, 1519
Circadian rhythm, variation
of endothelial function in idiopathic dilated cardiomyopathy, 699
in symptomatic subacute stent thrombosis after bare metal coronary stent implantation, 195
CKD. See Chronic kidney disease
CK-MB. See Creatine kinase-MB
Clinical trials, nonrandomized, in acute coronary syndrome, drawbacks of, 151 (Readers' Comments)
Clopidogrel
and aspirin
effects on platelet function, 38
long-term use after PCI, 38
high vs low loading dose, effects on stable angina patients subjected to PCI, 984
impact on circulating levels of soluble CD40 ligand in patients with unstable angina undergoing coronary stenting, 192
Cobalt-chromium alloy
stents, safety and efficacy for stable and unstable angina pectoris, 349
Cocaine
acute administration in habitual users, causing QT interval prolongation, 1244
effects of long-term use on left regional ventricular function, 1085
Cognitive impairment, role of cardiovascular disease risk factors in, 1262
Cohn, Lawrence Harvey, 929 (Conversation With the Editor)
Complement system proteins, C3 and C4, effects on incidence of atrial fibrillation, 646
influence in CHD development, 372
management by targeting lower low-density lipoprotein concentration, 1667 (Editorial)
Clinical trials, nonrandomized, in acute coronary syndrome, drawbacks of, 151
(Readers' Comments)
Clopixol
and aspirin
effects on platelet function, 38
long-term use after PCI, 38
high vs low loading dose, effects on stable angina patients subjected to PCI, 984
impact on circulating levels of soluble CD40 ligand in patients with unstable angina undergoing coronary stenting, 192
Cobalt-chromium alloy
stents, safety and efficacy for stable and unstable angina pectoris, 349
Cocaine
acute administration in habitual users, causing QT interval prolongation, 1244
effects of long-term use on left regional ventricular function, 1085
Cognitive impairment, role of cardiovascular disease risk factors in, 1262
Cohn, Lawrence Harvey, 929 (Conversation With the Editor)
Colchicine, hydrochloride, addition to statins, in hypercholesterolemia effects on high-sensitivity CRP, 1198
effects on low-density lipoprotein, 1198
Collateral circulation, coronary vessel development
in diabetes mellitus, effect of statins, 772
in patients with total right coronary artery occlusion, relation to metabolic syndrome, 636
relation to angiogenic factors, 472
Complement system proteins, C3 and C4, effects on incidence of atrial fibrillation, 245
Complete heart block, subacute, after alcohol septal ablation for obstructive hypertrophic cardiomyopathy, predictors of, 264
Computed tomography. See also Optical coherence tomography; Positron emission tomography
multidetector
Coronary arteries

Coronary angiography

Contrast echocardiography.

Congenital heart disease

Congestive heart failure

cost-effectiveness of Doppler vs B-type natriuretic peptide in predicting outcomes of, 400
effect of CRT on left ventricular reverse remodeling in, 876
hospital admissions for, relation to air pollution in seven United States cities, 404
impact on non–ST-segment elevation ACS, 1707
in Japanese AMI patients, effects of statins, 1165
with preserved ejection fraction, gender differences in mortality and morbidity, 1228
quality of care in African-Americans admitted at a university teaching hospital, 690
relation of endothelial activation, dysfunction, and damage to B-type natriuretic peptide and outcomes, 671
secondary to idiopathic dilated cardiomyopathy, decreased cerebral blood flow in, 1365

Contrast echocardiography. See Echocardiography

Coronary angiography

to T wave abnormalities, 1124 (Readers’ Comments)
noninvasive, vs multidetector computed tomography, in detection of coronary stenosis before valve surgery, 1506
rapid intra-arterial infusion of 5% dextrose before coronary angiography, 981

Contrast echocardiography. See Echocardiography

Coronary angiography

extent of CAD, relation to T wave abnormalities, 1124 (Readers’ Comments)
noninvasive, vs multidetector computed tomography, in detection of coronary stenosis before valve surgery, 1506
rapid intra-arterial infusion of 5% dextrose before, 981
relation of obesity to CAD severity, 1277
vs 64-slice cardiovascular computed tomography, in suspected CAD, 173

Coronary arteries

atherosclerotic plaques, characterization using intravascular ultrasound vs multidetector computed tomography, 598
calcified plaque
relation to CHD, 1564
relation to left ventricular hypertrophy, effect of ethnicity, 1441
calcium
relation to ankle-brachial index, 181
vs stress myocardial perfusion imaging in apparently healthy siblings of individuals with premature CAD, 328
infarct-related, effect of medication use prior to STEMI on patency of, 7
intravascular ultrasound of, during PCI in ACS, 29
late luminal loss as predictor of clinical efficacy of drug-eluting stents in, 603
microvascular resistance, during anterior wall AMI and after PCI, 1131
minimally diseased, remodeling patterns of, 13
multiple unstable plaques, manifested by recurrent STEMI in different territory after fibrinolysis, 947
native, vs saphenous vein grafts, intravascular ultrasound of ruptured plaques in, 593
noninvasive evaluation with multidetector computed tomography in asymptomatic patients, 287 (Editorial)

plaque, assessment by optical coherence tomography, 1172
predictors and incidence of restenosis after placement of drug-eluting stents in, 506
proximity to atrioventricular annulus in young patients, implications in catheter ablation, 1752
 unprotected left main, safety and feasibility of various sirolimus-eluting stent implantation techniques for bifurcation stenosis of, 1597

Coronary artery disease. See Coronary angiography

Coronary artery bypass grafting

in the drug-eluting stent era, rescue PCI after, 789
effect of statins on risk of atrial fibrillation after, 55, 1266 (Readers’ Comments), 1551 (Readers’ Comments)
new paradigm for cardiac rehabilitation resistance exercise guidelines, 281
off-pump, risk and determinants of myocardial injury during, 1482
on- vs off-label use of drug-eluting stents in clinical practice, 1478
preoperative CRP and soluble intercellular adhesion molecule-1 level for predicting future cardiovascular events after, 1697
stress testing after, 810

Coronary artery disease. See also Angina pectoris

after orthotopic transplant, usefulness and safety of PCI for, 1192
angiographic
and long-term mortality, gender differences in relation of renal impairment to, 630
relation of ascending aortic pressures to outcomes in patients with, 590 (Readers’ Comments)
in asymptomatic CKD patients, identification by N-terminal ProBNP and B-type natriuretic peptide, 1530
effectiveness of “direct” stenting without balloon predilatation, 316
effect of statins on risk of ventricular arrhythmia in, 153 (Readers’ Comments)
effects of obesity on benefits of atorvastatin or pravastatin, 1553
effects of sirolimus–vs paclitaxel-eluting stents on T-cell subset redistribution, 494
extent
in left bundle branch block with or without type 2 diabetes, 857
in relation to T wave abnormalities, 1124 (Readers’ Comments)
in type 2 diabetes with or without left bundle branch block, 857
lipid and lipoprotein biomarkers, 640
mechanism of cardiac output gain from CRT in patients with, 1358
minimal angiographic, contrast-enhanced MRI in detection of myocardial scar in, 768
multivessel, after incomplete revascularization, exercise myocardial scintigraphy, 207
normal stress technetium-99m–tetrofosmin SPECT in, 1
with or without diabetes mellitus, coronary risk factors and quality of life in patients, 1267
ostial de novo left anterior descending coronary artery lesions, treated with drug-eluting stents, early outcome of, 187
patients undergoing TAPSE, relation of survival to revascularization vs medical therapy in CAD, 804
peripheral arterial disease as marker of risk for abdominal aortic aneurysm in, 1549 (Readers’ Comments)
prediction using P waves during exercise testing, 1126 (Readers’ Comments)
pregnant, coronary calcium vs stress myocardial perfusion imaging in apparently healthy siblings of individuals with, 328
prevalence in postmenopausal women with or without osteoporosis or osteopenia, 1427
relation of carotid intima-media thickness to angiographic severity and extent of, 624
relation of short-term sibutramine therapy to weight loss and improved endothelial function in obese patients with, 1650
severity
in diabetes mellitus, relation to hemoglobin A1c levels, 968
in patients undergoing coronary angiography, relation to obesity, 1277
stable, effect of ischemic mitral regurgitation on left ventricular filling pressures in, 1449
suspected
coronary angiography vs 64-slice cardiovascular computed tomography in, 173
estrogen status as prognostic marker in women with, 367
wall motion abnormalities, during recovery after acute beta-blocker administration, dobutamine stress echocardiography in observation of, 462
without coronary vasospasm, vs stable angina and ACS with CAD, serum levels of inflammatory markers in patients with, 1429
with vs without metabolic syndrome, effect of simvastatin on outcomes of adults with, 1487
Coronary artery occlusion
acute, PTCA-induced, relation of ST-segment deviation to myocardial ischemia during, 235
chronic total
intravascular ultrasound of morphologic features, 1455
on- vs off-label use of drug-eluting stents in clinical practice, 1748
trends in PCI for, 1691
distal vs proximal, prognostic effects on AMI after PCI, 1137
total, angiogenic factors in, 472
total right, relation of metabolic syndrome to coronary collateral vessel development in patients with, 636
Coronary artery syndrome, early, in families with frequent MI, relation to metabolic syndrome, 964
Coronary heart disease
vs all-cause mortality risk, for electrocardiographic abnormalities in men and women, 309
coronary sinus and ascending aorta levels of
aldosterone, 1068, 1107 (Editorial)
angiotensin II, 1068, 1107 (Editorial)
B-type natriuretic peptide, 1068, 1107 (Editorial)
development of, influence of lipids, 372
impact of over-the-counter statin availability, 851
incident, effects of gender and race on prognostic value of electrocardiography, 1176, 1176.e1
long-term risk in men
apo-B and, 997
low-density lipoprotein and, 997
placebo effect on
laser myocardial revascularization in, 152 (Readers' Comments)
therapeutic angiogenesis in, 152 (Readers' Comments)
prognostic effects of stress and type D personality, 370
relation of depression and fatigue to PAI-1, t-PA antigen and fibrinogen levels in patients with or without, 1287
relation of T-wave alternans to regional left ventricular dysfunction and eccentric hypertrophy secondary to, 775
relationship of serum high-density lipoprotein levels to mortality in, 466
relation to coronary artery calcified plaque, 1564
and retinal arteries, 1549 (Readers' Comments)
risk assessment in, 765
Coronary revascularization, normal stress technetium-99m–tetrofosmin SPECT in, 1
Coronary sinus, of aortic stenosis and CHD patients
aldosterone levels in, 1068, 1107 (Editorial)
angiotensin II levels in, 1068, 1107 (Editorial)
B-type natriuretic peptide levels in, 1068, 1107 (Editorial)
Coronary stenosis
significant, detection with multidetector row spiral computed tomography, 343
before valve surgery, detection with multidetector computed tomography vs non-invasive coronary angiography, 1506
Coronary thrombus
of AMI patients
fibrin in, 26
platelets in, 26
TF in, 26
vWF in, 26
assessment by optical coherence tomography, 1713
Coronary vasospasm
induced by ergonovine maleate in vasospastic angina pectoris, intravascular ultrasound of, 1322
without CAD, vs stable angina and ACS with CAD, serum levels of inflammatory markers in patients with, 1429
Cost-effectiveness, of Doppler vs B-type natriuretic peptide in predicting outcomes of CHF, 400
Counterpulsation
enhanced external
for left ventricular dysfunction, two-year outcomes after, 17
for refractory angina pectoris, two-year outcomes after, 17
intra-aortic balloon, 1391
CPR. See Cardiopulmonary resuscitation
C-reactive protein
after implantation of sirolimus- vs paclitaxel- vs dexamethasone-eluting stents, 1311
in atrial fibrillation with or without hypertension, 1346
and C3 and C4, effects on incidence of atrial fibrillation, 245
high-sensitivity
in hypercholesterolemia, efficacy of adding colesveleam hydrochloride to statins, 1198
relation to first onset and recurrence of lone atrial fibrillation, 659
in type 2 diabetes, effects of rosiglitazone monotherapy vs combination with atorvastatin, 646
and nocturnal melatonin levels in STEMI patients, 10
for predicting long-term mortality in diabetes mellitus, 167
in non–ST-elevation ACS, 167
in prediction of left ventricular hypertrophy in systemic hypertension, 249
as predictor of aortic valve stenosis progression, 90
preoperative level, for predicting future cardiovascular events after CABG, 1697
relation to social integration in men and women 70 to 79 years, 1010
serum
effect of thiazolidinediones on, meta-analysis, 655
in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429
relation to heart rate variability in unstable angina, 1702
Creatine kinase-MB, relation to angiographic adverse events during PCI, 1591
Creatinine, for predicting long-term mortality in diabetes mellitus, 167
in non–ST-elevation ACS, 167
Cross clamping, aortic, during major vascular surgery, effects of statins on renal function after, 1383
CRP. See C-reactive protein
CRT. See Cardiac resynchronization therapy
Crush technique, long-term outcomes of sirolimus-eluting stent implantation in coronary bifurcation lesions, 1317
Cypher stents
overlapping, angiographic patterns of restenosis after implantation of, 499
undeployed, failure to retrieve, 502
Cytokine, improved profile in advanced chronic heart failure, G-CSF for, 681
Death, effects of morning vs evening atorvastatin intake after first elective PCI, 44
Depression
in men with paroxysmal atrial fibrillation, paroxetine for, 1749
in patients with or without CHD
fibrinogen levels and, 1287
PAI-1 levels and, 1287
t-PA antigen levels and, 1287
Desensitization
rapid, for parents with aspirin sensitivity, 294 (Readers' Comments)
reply to a reader's comment, 294
Dexamethasone-eluting stents, vs sirolimus- and paclitaxel-eluting stents, outcome, restenosis rates and CRP levels, 1311
Dextrose 5%
effect on incidence of contrast-induced nephropathy in high-risk patients, 981
rapid intra-arterial infusion before coronary angiography, 981
Diabetes mellitus
in Asian Indians, relation to lipoprotein lipase polymorphism, 1337
coronary risk factors and quality of life in CAD patients with or without, 1267
effect of statins on coronary collateral development in, 772
heterogeneity of neointimal distribution of in-stent restenosis in, 340
insulin sensitization for prevention of MI in, 651
prediabetic subjects, relation of iron stores to endothelial dysfunction in, 1550
(Readers' Comments)
prediction of long-term mortality by biomarkers, 167
racial differences on survival after MI in, 1551 (Readers' Comments)
relation of hemoglobin A1c levels to CAD severity in, 968
stress SPECT for cardiovascular disease risk stratification, 1538
Diabetes mellitus, type 1
cardiac function in, 77
effect of glycemic control on left ventricular diastolic function in, 71
flow mediated dilatation in, 77
vs type 2, aspirin resistance in, 567
Diabetes mellitus, type 2
effects of rosiglitazone monotherapy vs combination with atorvastatin on biomarkers of cardiovascular disease in, 646
with or without left bundle branch block, extent of CAD in, 857
relation of metabolic syndrome and insulin resistance to silent myocardial ischemia in, 236
vs type 1, aspirin resistance in, 567
Diastolic function
in children with heart failure due to idiopathic dilated cardiomyopathy, 101
effects of increasing heart rate on Doppler-derived indexes of, 130
left ventricular after exercise training in young men, 1089
in Behcet’s disease, pulse-wave Doppler and Doppler tissue imaging of, 716
effects of growth hormone therapy, 1097
effects of long-term cocaine use, 1085
effects of quinapril, 916
in male body builders, effects of androgenic anabolic steroids, 912
in non-compacted and compacted segments in isolated left ventricular non-compaction, 738
in patients with erectile dysfunction, 1785
in predicting future heart failure, Doppler parameters of, 866
in pseuodoxanthoma elasticum, 1535
relation to B-type natriuretic peptide early after AMI, 1146
in type 1 diabetes, effect of glycemic control on, 71
in mitral regurgitation, mechanism in CRT candidates, 1611
septal perforator flow velocities in hypertrophic cardiomyopathy vs hypertensive left ventricular hypertrophy, 106
vs systolic function
in heart failure patients ≥65 years of age, left atrium in, 83
as outcome predictor after PCI for AMI, 160
Diastolic mitral annular velocity, in predicting exercise tolerance in impaired left ventricular systolic function, 1025
Diet
tuna or other broiled or baked fish vs fried fish, effects on cardiac structure, function, and hemodynamics, 216
vegetarian, effects on cardiovascular autonomic functions in healthy postmenopausal women, 380
Dietary supplementation, with omega-3 fatty acids, effects on endothelium-dependent vasodilation in chronic heart failure, 547
Dilated cardiomyopathy. See Cardiomyopathy
Disease management program, vs primary care physician, for idiopathic dilated cardiomyopathy, 253
Dobutamine stress echocardiography
heart rate reserve vs 85% of age-predicted maximum heart rate as measure of chronotropic response during, 742
in observing wall motion abnormalities during recovery after acute beta-blocker administration, 462
evaluation of optimal atrioventricular delay with dual-chamber pacing, long-term effects on hypertrophic cardiomyopathy, 1769
Doppler
accuracy in estimation of right atrial pressure in anesthetized, paralyzed, and mechanically ventilated patients, 1564
for assessment of left ventricular systolic function in ischemic or idiopathic dilated cardiomyopathy
ejunction fractions, 872
IVA, 872
de B-type natriuretic peptide, cost-effectiveness in predicting outcomes of CHF, 400
contribution of decreased atrial function in pathogenesis of neurally mediated syncope, 1017
diastolic mitral annular velocity in predicting exercise tolerance in impaired left ventricular systolic function, 1025
effects of androgenic anabolic steroids on left ventricular diastolic function in male bodybuilders, 912
effects on increasing heart rate on indexes of diastolic function in, 130
left ventricular function after exercise training in young men, 1089
optimization of ativoventricular delay in CRT, relation to invasive hemodynamics in heart failure secondary to ischemic or idiopathic dilated cardiomyopathy, 552
parameters of left ventricular end-diastolic pressure in predicting future heart failure, 866
pulse-wave and tissue imaging, of left ventricular function in Behcet's disease, 716
right ventricular free wall mechanical delay and dysfunction, 434 (Readers’ Comments)
transesophageal, for assessment of aortic wall mechanics in Marfan syndrome, 571
transthoracic three-dimensional, vs PISA, for assessment of mitral regurgitation, 1630
Ductus arteriosus
postnatal remodeling of, CD44-v6 expression in smooth muscle cells, 1055
reverse orientation, significance in neonates with PTOD for early intervention, 716
Dysglycemia, impact on systemic hypertension in lean Chinese, 839
Dyslipidemia, in Asian Indians, relation to lipoprotein lipase polymorphism, 1337
Dysynchronous, ventricular, in compensated heart failure, exercise echocardiographic assessment of effects of biventricular and left ventricular pacing, 1622
Echocardiography. See also Doppler; Transesophageal atrial pacing stress echocardiography; Transesophageal echocardiography; Transthoracic echocardiography
vs clinical parameters, in assessment of response to CRT, 260
diagnosis of fetal heterotaxy syndrome, 720
dobutamine stress
heart rate reserve vs 85% of age-predicted maximum heart rate as measure of chronotropic response during, 742
in observing wall motion abnormalities during recovery after acute beta-blocker administration, 462
evaluation of optimal atrioventricular delay with dual-chamber pacing, long-term effects on hypertrophic cardiomyopathy, 1769
exercise
effects of biventricular and left ventricular pacing on ventricular dyssynchrony in compensated heart failure, 1622
safety in patients with abnormal serum potassium concentration, 1247
heart disease in Churg-Strauss syndrome, 1519
intrascardiac accessory thyroid gland, 926
left ventricular systolic and diastolic functions in pseudoxanthoma elasticum, 1535
vs MRI, to predict myocardial function improvement after PCI, 361
myocardial contrast, vs SPECT, to predict AMI transmurality, 1718
outpatient laboratory, impacts of obesity, 1082
real-time three-dimensional
high-resolution, to visualize left ventricular endocardial surface in MI, 1578
vs MRI, in assessment of left ventricular mass, 113
three-dimensional, vs MRI, feasibility and variability in arrhythmogenic right ventricular dysplasia, 703
transesophageal vs transthoracic, diagnosis of right-to-left atrial shunting, 434 (Readers’ Comments)
ECCP. See Enhanced external counterpulsation
Ejection fractions
depressed, in men, effects of omega-3 fatty acids on heart rate recovery after exercise, 1127
heart rate variability, 1127
resting heart rate, 1127
left ventricular
effect of body mass index, 725
estimation using mitral valve EPSS vs MRI, 137
in non-compacted and compacted segments in isolated left ventricular non-compaction, 738
normal, left ventricular geometry and survival in patients with, 959
preserved, outcomes and hospitalization rates in heart failure with and without, 256
SUBJECT INDEX 15
preserved, gender differences in mortality and morbidity in heart failure with, 1228
by tissue Doppler, for assessment of left ventricular systolic function in ischemic
or idiopathic dilated cardiomyopathy, 872
Elderly
Caucasians with MI, relation of IGF-I promoter polymorphism to mortality in, 1274
community-dwelling individuals, mortality and morbidity in
AAC and, 1281
AVS and, 1281
MAC and, 1281
relation of ventricular arrhythmias to all-cause mortality and AMI in apparently
healthy subjects, 1351
Emergency room. See Ventricular fibrillation; Ventricular tachycardia
Electrocardiography
abnormalities in men and women, all-cause mortality risk vs CHD for, 309
vs contrast-enhanced MRI, in detection of healed MI, 443
prevalence and determinants of left ventricular hypertrophy in multiethnic post-
menopausal women, 512
prognostic value in incident CHD, effects of gender and race, 1176, 1176.e1
QT interval prolongation by acute cocaine administration in habitual users, 1244
redefinition of diagnostic Q wave criteria for MI, 974
relation of T wave abnormalities to extent of CAD, 1124 (Readers’ Comments)
routine preoperative, prognostic value in noncardiac surgery, 1103
ST-segment deviation in, and troponin T, for early risk stratification in non-ST-
segment elevation ACS, 334
>10 minutes after ER arrival, in non-ST-segment elevation ACS, frequency and
consequences, 437
Electrophysiology, of atrioventricular nodal reentry tachycardia
effects of slow pathway ablation, 860
gender differences in, 384
Emboli, cardiac sources of, in cancer and cerebral ischemia, detection by
transesophageal echocardiography, 894
Emergency medical services, vs self-transport, mortality in STEMI patients arriving
by, 458
Emergency room
frequency and consequences of electrocardiogram recording in non–ST-segment
elevation ACS patients >10 minutes after arrival, 437
stay in low-risk patients with acute chest pain, frequency and timing of changes
in TIMI risk score during, 781
Empathy, and sympathy, clinical usefulness of, 1789 (Editorial)
EMS. See Emergency medical services
Endocarditis, nonbacterial thrombotic, in cancer and cerebral ischemia, detection by
transesophageal echocardiography, 894
Endocardium, left ventricular, in MI, visualization by high-resolution real-time three-
dimensional echocardiography, 1578
Endothelium
activation, dysfunction, and damage in CHF, relation to B-type natriuretic peptide
and outcomes, 671
dysfunction
in prediabetic subjects, relation to iron stores, 1550 (Readers’ Comments)
relation to fasting plasma glucose and hyperinsulinemia, 590 (Readers’ Comments)
flow-mediated dilation dependent on, metabolic vasodilation in response to, in
African-American vs non–African-American patients with chronic heart failure, 685
function
in hyperlipidemia, effects of atorvastatin, 1002
in idiopathic dilated cardiomyopathy, circadian variation of, 699
in obese patients with CAD, relation to short-term sibutramine therapy, 1650
in patients with erectile dysfunction, 1785
in women with cardiac syndrome X, 1727
impaired
among Hispanic women, 68
and increased body mass index, 68
vasodilation in chronic heart failure, effects of dietary omega-3 fatty acid supple-
mentation, 547
Enhanced external counterpulsation
for left ventricular dysfunction, two-year outcomes after, 17
for refractory angina pectoris, two-year outcomes after, 17
Enzyme replacement therapy, impact on cardiac morphology and function and late
enhancement in Fabry’s cardiomyopathy, 1515
E point-to-septal separation, of mitral valve, vs MRI, in estimation of left ventricular
ejection fraction, 137
EPSS. See E point-to-septal separation
Eptifibatide
effects on inhibition of platelet aggregation in patients undergoing high-risk PCI, 489
for thrombocytopenia, 426
ER. See Emergency room
Erectile dysfunction
incidence of cardiovascular adverse events in patients taking tadalafil for, 1778
left ventricular diastolic function and endotthelial function in patients with, 1785
Ergonovine maleate, in vasospastic angina pectoris, intravascular ultrasound of
coronary vasospasm induced by, 1322
Errata, 154, 592
Erythrocyte survival, breath carbon monoxide to measure influence of prosthetic
heart valves on, 1374
Esophageal leads, use in determining strategies of pulmonary vein ablation, 1494
Estrogen status, as prognostic marker in women with suspected CAD, 367
Ethnicity
as determinant of electrocardiographic left ventricular hypertrophy in postmeno-
pausal women, 512
effect on association of coronary atherosclerosis to left ventricular hypertrophy,
1441
effect on prognostic value of electrocardiography in incident CHD, 1176,
1176.e1
effects on survival after MI among diabetics, 1551 (Readers’ Comments)
QT interval and subintervals from women aged 50 to 79 years, 730
European continental ancestry group
vs African-Americans, phenotypic predictors of response to simvastatin therapy,
843
elderly, relation of IGF-I promoter polymorphism to mortality in, 1274
men and women, blood pressure stress reactivity and left ventricular mass
among, 240
Exercise
abnormal heart rate recovery after, relation to left ventricular perfusion and func-
tion, 1452
extreme endurance running, effects on HRV in healthy trained subjects, 276
home-based program, for overweight and obese patients with advanced heart
failure, 886
in men with healed MI and depressed ejection fraction, effects of omega-3 fatty
acids on heart rate recovery after, 1127
metabolic vasodilation in response to, in African-American vs non–African-
American patients with chronic heart failure, 685
vigorous vs moderate intensity, cardioprotective effects of, 141
Exercise capacity
after univentricular vs biventricular repair for pulmonary atresia/intact ventricular
septum, 1638
reduced, relation to biventricular dysfunction in adult patients with operated te-
trilogy of Fallot, 1377
Exercise testing
in CAD prediction, P waves during, 1126 (Readers’ Comments)
cardiopulmonary
in pulmonary hypertension, 123
and six-minute walk, 123
early, prognostic value in chest pain without preceding myocardial ischemia, 633
echocardiography, effects of biventricular and left ventricular pacing on ventricu-
lar dysynchrony in compensated heart failure, 1622
myocardial perfusion, relation of myocardial ischemia to ventricular premature
complexes during recovery from, 1570
myocardial scintigraphy, in multivessel coronary disease after incomplete revas-
cularization, 207
safety in patients with abnormal serum potassium concentration, 1247
ventilatory equivalent vs peak oxygen consumption in predicting outcomes of
heart failure patients, 1607
Exercise tolerance
  effects of growth hormone therapy, 1097
  in impaired left ventricular systolic function, prediction by diastolic annular
  velocity, 1025

Exercise training
  in cardiac rehabilitation, new paradigm for, 281
  effects on heart rate recovery in heart failure, 694
  effects on left ventricular function in young men, 1089

Ezetimibe/simvastatin (Vytorin), vs simvastatin monotherapy, muscle safety profiles,
  223

Fabry's disease, impact of enzyme replacement therapy on cardiac morphology and
  function and late enhancement in cardiomyopathy due to, 1515

Fast foods, effects on cardiovascular disease in China, 1676 (Readers' Comments)

Fatigue, relation to PAI-1, t-PA antigen and fibrinogen levels in patients with or
  without CHD, 1287

Fenoldopam, intravenous vs intrarenal administration, in patients undergoing
  cardiac catheterization
  effects on blood pressure, 1076
  effects on renal function, 1076

18F-Fluorodeoxyglucose imaging, PET, vs contrast-enhanced MRI, in detection of
  myocardial viability, 452

FFP. See Fresh frozen plasma

Fibrin, in coronary thrombus of AMI patients, 26

Fibrinogen, relation to depression and fatigue in patients with or without CHD,
  1287

Fibrinolysis
  for acute pulmonary embolism, predictors of hemorrhage after, 127
  vs primary coronary angioplasty, ST-segment elevation for predicting outcomes
  after, 611
  recurrent STEMI in different territory after, as manifestation of multiple unstable
  coronary arterial plaques, 947

Fibroblast growth factor
  relation to development of collateral vessels, angiographic evaluation, 472
  in stable angina pectoris and total coronary artery occlusion, 472

Filling pressures, left ventricular, in stable CAD, effect of ischemic mitral
  regurgitation, 1449

Flow-mediated dilatation
  of brachial artery
    circadian variation in idiopathic dilated cardiomyopathy, 699
    in hyperlipidemia, effects of atorvastatin, 1002
    and cardiac function, 77
  endotheilium-dependent, metabolic vasodilation in response to, in African-Ameri-
    can vs non–African-American patients with chronic heart failure, 685
    forearm, in healthy volunteers, relation to plasma insulin levels, 1250
    in type 1 diabetes, 77
  flow velocity reserve, coronary, during anterior wall AMI and after PCI, 1131
  fluid restriction, vs tolvaptan, for hyponatremia, 1064
  Fontan repair, vs outflow tract reconstruction, for pulmonary atresia/intact
    ventricular septum, exercise capacity after, 1638
  Forearm, flow-mediated dilatation in healthy volunteers, relation to plasma insulin
    levels, 1250
  fractional shortening, relation to pericardial effusion, 910
  Fresh frozen plasma, efficacy and safety for warfarin-related over-anticoagulation in
    patients with mechanical heart valves, 409
  Functional status, in chronic severe mitral regurgitation, plasma N-terminal ProBNP
    as marker of, 1498

G-CSF. See Granulocyte-colony stimulating factor

Gender differences. See also Men; Women
  effect on prognostic value of electrocardiography in incident CHD, 1176,
  1176.e1
  in electrophysiological parameters in atrioventricular nodal reentry tachycardia, 364
  in morbidity and mortality in heart failure with preserved ejection fraction, 1228
  in relation of renal impairment to angiographic CAD and long-term mortality,
    630
  of revascularization in AMI, 1722

Glomerular filtration rate, estimated, effect of short-term rosuvastatin treatment,
  1602

Glucose
  blood, relation to long-term mortality in ACS, 1573
  fasting plasma levels, relation to endothelial dysfunction, 590 (Readers' Com-
  ments)
  plasma, for predicting in-hospital outcomes after AMI, 1558

Glycemic control, effect on left ventricular diastolic function in type 1 diabetes, 71

Glycoprotein IIb/IIIa receptor antagonists
  effects on inhibition of platelet aggregation in patients undergoing high-risk PCI,
    489
  planned vs provisional use in smokers undergoing PCI, 1679
  for thrombocytopenia, 426

GPRAs. See Glycoprotein IIb/IIIa receptor antagonists

Granulocyte-colony stimulating factor, safety and effectiveness in advanced chronic
  heart failure
  for improving cytokine profile, 681
  for mobilizing hematopoietic stem cells, 681

Growth hormone
  effects on aortic distensibility and dimensions in Turner syndrome, 1644
  effects on cardiac morphology and function, 1097

Growth hormone deficiency, effects of growth hormone therapy on cardiac
  morphology and function in, 1097

Harrison, Donald Carey, 1399 (Conversation With the Editor)

Head-up tilt, effects on QTc prolongation in ischemic or non-ischemic
  cardiomyopathy, 412

Health behavior, of American cardiologists, 1093

Health care delivery, patient and physician perceptions on quality of, 1073

Heart-assist devices, Impella Recover LP 2.5, for left ventricular support in elective
  high-risk PCI, feasibility and safety, 990

Heart conduction system, disturbances in, after transcatheter closure of muscular
  ventricular septal defects using Amplatzer occluder, 558

Heart disease. See also Congenital heart disease
  advanced, transcatheter autologous bone marrow transplantation for, 823
  in Churg-Strauss syndrome, 1519

Heart failure
  advanced
    home-based exercise program for overweight and obese patients with, 886
    relation of loop diuretic dose to mortality in, 1759
    safety and tolerability of serial home intusions of nesiritide for, 1370
  chronic
    effects of dietary omega-3 fatty acid supplementation on endothelium-depen-
      dent vasodilation in, 547
    metabolic vasodilation in response to exercise, ischemia, and endothelium-
      dependent flow-mediated dilatation in African-Americans vs non-African-
      Americans with, 685
    compensated, exercise echocardiographic assessment of effects of biventricular
      and left ventricular pacing to ventricular dyssynchrony in, 1622
    diastolic vs systolic, in persons ≥65 years of age, left atrium in, 83
    due to idiopathic dilated cardiomyopathy, in children with
      diastolic duration in, 101
      systolic duration in, 101
    future events of, prediction by Doppler parameters of left ventricular end-dia-
      stolic pressure, 866
    implantable cardioverter defibrillator eligibility criteria for patients in a special-
      ized clinic, 882
    incidence and risk factors in adolescents and adults with congenital heart dis-
      ease after cardiac surgery, 1238
    prediction by aortic root dimension in persons ≥65 years of age, 270
    secondary to inflammatory dilated cardiomyopathy and elevated low-density li-
      poprotein cholesterol levels, atorvastatin for, 899
secondary to ischemic or idiopathic dilated cardiomyopathy, relation of invasive hemodynamics to Doppler optimization of atroventricular delay in CRT in, 552
severe manifestations, relation to inappropriate defibrillator shocks, 544
systolic, prognostic value of restrictive mitral filling pattern, 676
ventilatory equivalent vs peak oxygen exercise consumption in predicting outcomes of patients with, 1607
with and without intraventricular conduction defect, outcomes and hospitalization rates, 256
with and without preserved left ventricular ejection fraction, outcomes and hospitalization rates, 256
worsening, in idiopathic dilated cardiomyopathy, prognostic value of CRT criteria for, 393
Heart rate
increasing, effects on Doppler-derived indexes of diastolic function, 130
resting, in men with healed MI and depressed ejection fraction, effects of omega-3 fatty acids, 1127
Heart rate recovery
after exercise, in men with healed MI and depressed ejection fraction, effects of omega-3 fatty acids, 1127
in heart failure patients after 12-week cardiac rehabilitation, 694
postexercise abnormal, relation to left ventricular perfusion and function, 1452
Heart rate reserve, vs 85% of age-predicted maximum heart rate, as measure of chronotropic response during dobutamine stress echocardiography, 742
Heart rate variability
in healthy postmenopausal women, effects of vegetarian diet, 380
trained subjects, effects of extreme endurance running, 276
in men with healed MI and depressed ejection fraction, effects of omega-3 fatty acids, 1127
relation to serum CRP in unstable angina, 1702
Heart septal defects
atrial, diagnosis with transesophageal vs transthoracic echocardiography, 434
(Readers’ Comments)
ventricular, transcatheater closure using Amplatzer occluder, cardiac conduction disturbances after, 558
ventricular arrhythmias after, 558
Heart transplantation
effects of vitamin C to coronary hypersensitivity to serotonin in recipients, 561
orthoptic, usefulness and safety of PCI for vasculopathy after, 1192
Hematopoietic stem cell, mobilization in advanced chronic heart failure, G-CSF for, 681
Hemodynamics
cardiac, effects of tuna or other broiled or baked fish vs fried fish, 216
invasive, relation to Doppler optimization of atrioventricular delay in CRT in heart failure secondary to ischemic or idiopathic dilated cardiomyopathy, 552
outcome after CRT, “response score” for prediction of, 1732
Hemoglobin A1c, relation to CAD severity in diabetes mellitus, 968
Hemorrhage, after fibrinolysis for acute pulmonary embolism, predictors of, 127
Hemostasis, manual pressure, after transfemoral coronary angiography, effectiveness
Hepatic artery, clinical characteristics of stenosis, 157
Hepatic artery, relationship with clinical and laboratory parameters in patients with non-alcoholic fatty liver disease, 22
Hepatic artery, relationship with clinical and laboratory parameters in patients with non-alcoholic fatty liver disease, 22
Hepatocyte growth factor
Hypertension
in African-Americans, efficacy and safety of rosuvastatin vs atorvastatin for, 229
eyecy of adding colesevelam hydrochloride to statins, 1198
Hypertension, reactive, after PCI, effect on myocardial tissue reperfusion in AMI, 617
Hyperinsulinemia, relation to endothelial dysfunction, 590 (Readers’ Comments)
Hyperlipidemia, effects of atorvastatin on endothelial function in, 1002
Hypertension. See also Pulmonary hypertension
CRP in atrial fibrillation with or without, 1346
with left ventricular hypertrophy, vs hypertrophic cardiomyopathy, diastolic septal perforator flow velocities in, 106
Hypertrophic cardiomyopathy. See Cardiomyopathy
Hyperviscosity, role in incidence of cerebral ischemia in atrial fibrillation, 1745
Hypokalemia, serum levels in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429
Intercellular adhesion molecule-1, soluble
promoter polymorphism of, relation to mortality in elderly Caucasians with MI, 1274
serum levels in subjects ≥65 years of age, relation to ACE inhibitor treatment, 1525
Insulin resistance, relation to silent myocardial ischemia in type 2 diabetes mellitus, 236
Insulin sensitization, for prevention of MI in diabetes mellitus, 651
Intact ventricular septum, exercise capacity after univentricular vs biventricular repair for, 1638
Intercellular adhesion molecule-1, soluble
preoperative level, for predicting future cardiovascular events after CABG, 1697
serum levels in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429
Integrin-6
relation to social integration in men and women 70 to 79 years, 1010
serum levels in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429
Integrins
for predicting long-term mortality in diabetes mellitus, 167
in non-ST-elevation ACS, 167
Intra-aortic balloon counterpulsation, 1391
Intracardiac accessory thyroid gland, 326
Intracoronary brachytherapy, for in-stent restenosis, serial angiography after, 21
Intravascular ultrasound
characterization of the “black hole” phenomenon after sirolimus-eluting stent implantation, 203
comparison of ruptured plaques in native coronary arteries vs saphenous vein grafts, 593
Hospital costs, in treating complications of PCI, 322
Hospitalization, length of, in major vascular surgery patients, influence of cardiac risk factors and medication, 1423
HRV. See Heart rate variability
Hypercholesterolemia
African-Americans, efficacy and safety of rosuvastatin vs atorvastatin for, 229
eyecy of adding colesevelam hydrochloride to statins, 1198
Hyperinsulinemia, relation to endothelial dysfunction, 590 (Readers’ Comments)
Hyperlipidemia, effects of atorvastatin on endothelial function in, 1002
Hypertension. See also Pulmonary hypertension
CRP in atrial fibrillation with or without, 1346
with left ventricular hypertrophy, vs hypertrophic cardiomyopathy, diastolic septal perforator flow velocities in, 106
systemic
CRP and B-type natriuretic peptide in prediction of left ventricular hypertrophy in, 249
in lean Chinese, impact of dysglycemia, body mass index and waist-to-hip ratio on, 839
Hypertrrophic cardiomyopathy. See Cardiomyopathy
Hyperviscosity, role in incidence of cerebral ischemia in atrial fibrillation, 1745
Hypokalemia, serum levels in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429
Intercellular adhesion molecule-1, soluble
preoperative level, for predicting future cardiovascular events after CABG, 1697
serum levels in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429
Integrins
for predicting long-term mortality in diabetes mellitus, 167
in non-ST-elevation ACS, 167
Intra-aortic balloon counterpulsation, 1391
Intracardiac accessory thyroid gland, 326
Intracoronary brachytherapy, for in-stent restenosis, serial angiography after, 21
Intravascular ultrasound
characterization of the “black hole” phenomenon after sirolimus-eluting stent implantation, 203
comparison of ruptured plaques in native coronary arteries vs saphenous vein grafts, 593
of coronary vasospasm induced by ergonovine maleate in vasospastic angina pectoris, 1322
heterogeneity of neointimal distribution of in-stent restenosis in diabetes mellitus, 340
morphologic features of chronic total coronary occlusions, 1455
morphology of aorto-ostial vs shunt saphenous vein graft lesions, 1463
vs multidetector computed tomography, characterization of coronary atherosclerotic plaques, 599
no-reflow phenomenon during stent implantation in AMI, 301
during PCI in ACS, coronary artery finding by, 29
of restenosis after drug-eluting stent implantation vs brachytherapy, 1292
Intraventricular conduction defect, outcomes and hospitalization rates in heart failure with and without, 256
Iron stores, relation to endothelial dysfunction in prediabetic subjects, 1550
(Readers' Comments)
Ischemia. See also Cerebral ischemia; Myocardial ischemia
metabolic vasodilation in response to, in African-American vs non–African-American patients with chronic heart failure, 685
relation to angiographic adverse events during PCI, 1591
Ischemic cardiomyopathy. See Cardiomyopathy
Ischemic stroke. See Stroke
Isovolumic acceleration rate, by tissue Doppler, for assessment of left ventricular
structure and function, effects of tuna or other broiled or baked fish vs fried fish, 216
Japan. effects of statins on CHF and myocardial ischemia in AMI patients, 1165
Kidney, effects of atorvastatin 80 mg vs 10 mg on, 65
Kidney disease, chronic, CAD and left ventricular hypertrophy in asymptomatic patients with
B-type natriuretic peptide and, 1530
N-terminal ProBNP and, 1530
Kidney function
after aortic cross clamping during major vascular surgery, effects of statins, 1383
effects of intravenous vs intrarenal fenoeldopam in patients undergoing cardiac catheterization, 1076
effects of statins, 748
Lead aVR. See Electrocardiography
Left anterior descending artery, ostial de novo lesions, treated with drug-eluting stents, early outcome of, 187
Left atrium appendage thrombus, detection by transesophageal echocardiography 421
histology of myocardial wall of, relation to pulmonary vein incorporation, 662
remodeling
effects of quinapril, 916
reverse, after catheter ablation for atrial fibrillation, 1220
structure and function, effects of tuna or other broiled or baked fish vs fried fish, 216
in systolic vs diastolic heart failure in persons 65 years of age, 83
Left bundle branch block. See Bundle branch block
Left ventricle
apical aneurysms, and hypertrophic cardiomyopathy in identical twins, 1109
cavity size and ejection fraction, effect of body mass index, 725
dysfunction
in adult patients with operated tetralogy of Fallot, relation to elevated NT-pro-BNP and reduced exercise capacity, 1377
secondary to CHD, relation to T-wave alternans, 775
endocardial surface in MRI, visualization by high-resolution real-time three-dimensional echocardiography, 1578
end-systolic remodelling, in organic and functional mitral regurgitation, relation to B-type natriuretic peptide activation, 1029
filling pressures, in stable CAD, effect of ischemic mitral regurgitation, 1449
geometry, in patients with normal left ventricular ejection fraction, 959
involvement in Chung-Strauss syndrome, 1519
morphology, in Fabry's cardiomyopathy, impact of enzyme replacement therapy, 1515
optimal pacing site, and tissue synchronization imaging in CRT, 1615
pacing, and biventricular pacing, effects on ventricular dysynchrony in compensated heart failure, exercise echocardiographic assessment, 1622
remodeling
during long-term right ventricular pacing after His bundle ablation, 1223
reverse, in CHF patients, effect of CRT, 876
support with Impella Recover LP 2.5, feasibility and safety in elective high-risk PCI, 990
Left ventricular function
after exercise training in young men, 1089
in Behc¸et's disease, pulse-wave Doppler and Doppler tissue imaging of, 716
diastolic
effects of quinapril, 916
in male body builders, effects of androgenic anabolic steroids, 912
in patients with erectile dysfunction, 1785
relation to B-type natriuretic peptide early after AMI, 1146
diastolic and systolic, in pseudoxanthoma elasticum, 1535
diastolic vs systolic, as outcome predictor after PCI for AMI, 160
effects of growth hormone therapy, 1097
effects of long-term cocaine use, 1085
ejection fraction
estimation using mitral valve EPSS vs MRI, 137
normal, left ventricular geometry and survival in patients with, 959
preserved, outcomes and hospitalization rates in heart failure with and without, 256
end-diastolic pressure, in predicting future heart failure, Doppler parameters of, 866
in Fabry's cardiomyopathy, impact of enzyme replacement therapy, 1515
in non-compacted and compacted segments in isolated left ventricular noncompaction, 738
relation to postexercise abnormal heart rate recovery, 1452
and structure, effects of tuna or other broiled or baked fish vs fried fish, 216
systolic
impaired, prediction of exercise tolerance by diastolic mitral annular velocity, 1025
in ischemic or idiopathic dilated cardiomyopathy, tissue Doppler assessment of ejection fractions and IVA, 872
relation to pericardial effusion, 910
Left ventricular hypertrophy
in asymptomatic CKD patients, identification by N-terminal ProBNP and B-type natriuretic peptide, 1530
electrocardiographic, in multietnic postmenopausal women, prevalence and determinants of, 512
hypertensive, vs hypertrophic cardiomyopathy, diastolic septal perforator flow velocities in, 106
relation to coronary atherosclerosis , effect of ethnicity, 1441
secondary to CHD, relation to T-wave alternans, 775
in systemic hypertension, prediction with B-type natriuretic peptides, 249
CRP, 249
Left ventricular mass
and blood pressure stress reactivity among Caucasian and Africa-American men and women, 240
effects of growth hormone therapy, 1097
real-time three-dimensional echocardiography vs MRI in assessment of, 113
Left ventricular noncompaction, isolated, left ventricular function in non-compacted and compacted segments in, 738
Leukocyte count. See White blood cell count
Life style, of American cardiologists, 1093
Lipids
biomarkers for CAD, 640
in hyperlipidemia, effects of atorvastatin, 1002
influence on CHD development, 372
phenotypic predictors of response to simvastatin therapy among African-Americans vs Caucasians, 843
in type 2 diabetes, effects of rosiglitazone monotherapy vs combination with atorvastatin, 646
Lipoprotein lipase, polymorphism of, relation to dyslipidemia and diabetes in Asian Indians, 1337
Lipoproteins. See also High-density lipoproteins; Low-density lipoproteins
markers for CAD, 640
phenotypic predictors of response to simvastatin therapy among African-Americans vs Caucasians, 843
Liver, effects of atorvastatin 80 mg vs 10 mg on, 65
Loop diuretics, dose, relation to mortality in advanced heart failure, 1759
Lossalco, Joseph, 1110 (Conversation With the Editor)
Lovastatin, impact of over-the-counter availability on CHD, 851
Low-density lipoproteins
effect on atherogenic particle number in predicting risk of fatal MI, 943
elevated levels, atorvastatin for heart failure secondary to, 899
in hypercholesterolemia, efficacy of adding colesuvelam hydrochloride to statins, 1198
influence on CHD development, 372
and long-term risk of CHD in men, 997
lower concentration as target of cholesterol management, 1667 (Editorial)
particle size, phenotype B and particle concentrations in Asian Indians, prediction by triglyceride/high-density lipoprotein ratio, 1007
in patients on statin therapy, effects of plant stanol on lowering of, 376
phenotypic predictors of response to simvastatin therapy among African-Americans vs Caucasians, 843
MAC. See Mitral annular calcification
Magnetic resonance imaging
atrial and ventricular volume and function in persistent atrial fibrillation before and after cardioversion, 1213
contrast
in detection of myocardial scar in troponin-positive chest pain and minimal angiographic CAD, 768
vs echocardiography, in detection of healed MI, 443
vs fluorine-18 deoxyglucose PET, in detection of myocardial viability, 452
in diagnosis of arthrytogenous right ventricular dysplasia in children, 1232
vs echocardiography, to predict myocardial function improvement after PCI, 361
effects of long-term cocaine use on left ventricular function, 1085
harmonic phase, for validation of two-dimensional strain and tissue based strain, 1601
intracardiac accessory thyroid gland, 926
vs mitral valve EPSS, in estimation of left ventricular ejection fraction, 137
vs real-time three-dimensional echocardiography, in assessment of left ventricular mass, 113
relation of B-type natriuretic peptide to left ventricular diastolic function and extent of myocardial scar early after AMI, 1146
right ventricular function, effects of volume and/or pressure overload secondary to congenital heart disease, 1051
vs three-dimensional echocardiography, feasibility and variability in arrhythmogenic right ventricular dysplasia, 703
Males. See Men
Marfan syndrome
aortic root distensibility vs diameter as risk factor in, 1422 (Readers' Comments)
assessment of aortic wall mechanics by transesophageal tissue Doppler echocardiography, 571
Matrix metalloproteinases
MMP-9
in AMI vs unstable angina pectoris or stable angina pectoris, 175
in type 2 diabetes, effects of rosiglitazone monotherapy vs combination with atorvastatin, 646
and TIMPs, selective induction in atrial and ventricular myocardium in patients with atrial fibrillation, 532
Mechanical ventilation, accuracy of Doppler estimation of right atrial pressure in anesthetized and paralyzed patients during, 1654
Melatonin, nocturnal levels
and CRP in STEMI patients, 10
prognostic value in STEMI, 1162
Membrane attack complex, expression in failing human myocardium, 1626
Men
all-cause mortality risk vs CHD for electrocardiographic abnormalities in, 309
cardiovascular disease and abdominal aortic aneurysm in, 1123 (Readers' Comments)
Caucasian and Africa-American, blood pressure stress reactivity and left ventricular mass among, 240
depressed, with paroxysmal atrial fibrillation, paroxetine for, 1749
effects of androgenic anabolic steroids on left ventricular diastolic function in bodybuilders, 912
with healed MI and depressed ejection fractions, effects of omega-3 fatty acids on heart rate recovery after exercise, 1127
heart rate variability, 1127
resting heart rate, 1127
long-term risk of CHD in apo-B and, 997
low-density lipoprotein and, 997
and women, 70 to 79 years, relation of social integration to CRP and IL-6 levels, 1010
young, left ventricular function after exercise training in, 1089
Meta-analysis
effect of thiazolidinediones on serum CRP levels, 655
of rescue PCI after failed fibrinolysis, 1685
Metabolic syndrome
benefits of niacin in healed MI patients with vs without, 477
effect of simvastatin on cardiovascular outcomes of adults with vs without, 1487
effects of statins on platelet expression of PAR-1 thrombin receptor in patients with, 1332
and insulin resistance, relation to silent myocardial ischemia in type 2 diabetes mellitus, 236
and obesity, relation to carotid artery stiffness in children, 528
relation to body mass index and leukocyte count, 835
relation to coronary collateral vessel development in patients with total right coronary artery occlusion, 636
relation to early CAD in families with frequent MI, 964
stress SPECT for cardiovascular disease risk stratification, 1538
in women with cardiac syndrome X, 1727
MI. See Myocardial infarction
Middle-aged, relation of ventricular arrhythmias to all-cause mortality and AMI in apparently healthy subjects, 1351
Military, young female recruits, sudden death in, 1756
Mitral annular calcification, in community-dwelling elderly individuals
relation to morbidity, 1281
relation to mortality, 1281
Mitral annular velocity, diastolic, in predicting exercise tolerance in impaired left ventricular systolic function, 1025
Mitral regurgitation
assessment using PISA vs transthoracic three-dimensional Doppler echocardiography, 1630
chronic severe, plasma N-terminal ProBNP as marker of functional capacity and left ventricular remodeling in, 1498
diastolic, mechanism in CRT candidates, 1611
ischemic, effect on left ventricular filling pressures in stable CAD, 1449
organic and functional, relation of B-type natriuretic peptide activation to left ventricular end-systolic remodeling in, 1029
secondary to mitral valve prolapse, frequency of atrial fibrillation in, 1039
Mitral valve
calcification, relation of inflammation to risk factors of, 1502
EPSS, vs MRI, in estimation of left ventricular ejection fraction, 137
replacement for rheumatic mitral stenosis, atrial fibrillation prior to, 1035
restrictive filling pattern, prognostic value in systolic heart failure and implantable cardioverter-defibrillator, 676
Starr-Edwards model 6120 mechanical prosthesis, 756
tumor excision vs valve replacement for papillary fibroelastoma of, 759
Mitral valve prolapse, frequency of atrial fibrillation in mitral regurgitation secondary to, 1039
Mitral valve stenosis
after PBMV, one-year outcome of cardioversion of atrial fibrillation in, 1045
rheumatic, atrial fibrillation before isolated mitral valve replacement for, 1035
MMP. See Matrix metalloproteinases

20 The American Journal of Cardiology® Vol 97 June 15, 2006
Mononuclear cells, autologous bone marrow–derived, intramyocardial injection for severe angina pectoris, 1326
for stress-induced myocardial ischemia, 1326

Morbidity in community-dwelling elderly individuals, relation to MAC, AVS and AAC, 1281
in heart failure with preserved ejection fraction, gender differences, 1228
Mortality. See also Sudden death
in abdominal aortic aneurysm patients treated with and without statins, 279
in advanced heart failure, relation to loop diuretic dose, 1759
all-cause
in apparently healthy subjects aged ≥55 years, relation to ventricular arrhythmias, 1351
vs CHD, for electrocardiographic abnormalities in men and women, 309
in AMI patients ≥65 years of age, relation to statin initiation after hospital discharge, 155
in AMI, prediction by aortic root dimension in persons ≥65 years of age, 270
in community-dwelling elderly individuals
relation to AAC, 1281
relation to AVS, 1281
relation to MAC, 1281
due to pulmonary embolism in ischemic stroke, 1776
in elderly Caucasians with MI, relation to IGF-I promoter polymorphism, 1274
in heart failure with preserved ejection fraction, gender differences, 1228
in-hospital, after balloon angioplasty vs stent implantation for AMI, 977
long-term
  after PCI, prediction by neutrophil/lymphocyte ratio, 993
  and angiographic CAD, gender differences in relation of renal impairment to, 630
  in diabetes mellitus, prediction by biomarkers, 167
  in non-ST-elevation ACS, prediction by biomarkers, 167
  relation to blood glucose in ACS, 1573
  long-term outcomes of PTCA with vs without stenting, 1467
  in multivessel vs single-vessel PCI, 1585
  one-year, prediction among 30-day STEMI survivors after primary PCI, 817
  in peripartum cardiomyopathy, 1765
  prediction after AMI
    QRS wave, 353
    T wave, 353
  relation to revascularization vs medical therapy in CAD patients undergoing TAPSE, 804
relation to serum high-density lipoprotein levels in CHD, 466
in STEMI patients arriving by EMS vs self-transport, 458
thirty-day, in AMI, prediction by routine admission laboratory tests, 1435
in users of implantable cardioverter-defibrillators, 1255
MRI. See Magnetic resonance imaging
Multidetector computed tomography. See Computed tomography
Multislice computed tomography. See Computed tomography
Muscle, safety profiles of Vytorin vs simvastatin monotherapy, 223
Musculoskeletal system, effects of atorvastatin 80 mg vs 10 mg on, 64
Myocardial function, improvement after PCI, prediction using MRI vs echocardiography, 361
Myocardial infarction acute. See Acute myocardial infarction
after multivessel vs single-vessel PCI, 1585
among diabetics, racial differences on survival after, 1551 (Readers’ Comments)
angina pectoris before, effect on reperfusion arrhythmias, 1157
effects of morning vs evening atorvastatin intake after first elective PCI, 44
fatal, risk prediction by atherogenic particle size
effects of apo-A-I, 943
effects of apo-B, 943
effects of low-density lipoprotein, 943
frequent, relation of metabolic syndrome to early CAD in families with, 964
healed
detection by contrast-enhanced MRI vs electrocardiography, 443
in men, effects of omega-3 fatty acids on heart rate recovery after exercise, HRV, and resting heart rate, 1127
with vs without metabolic syndrome, benefits of niacin in, 477
high-resolution real-time three-dimensional echocardiography to visualize left ventricular endocardial surface in, 1578
long-term outcomes of PTCA with vs without stenting, 1467
new paradigm for cardiac rehabilitation resistance exercise guidelines, 281
normal stress technetium-99m–tetrofosmin SPECT in, 1
prevention in diabetes mellitus, insulin sensitization for, 651
definition of diagnostic Q wave criteria for, 974
relation of IGF-I promoter polymorphism to mortality in elderly Caucasians with, 1274
rescue PCI after CABG in the drug-eluting stent era, 789
ST-segment elevation. See ST-segment elevation myocardial infarction
Myocardial injury, during off-pump CABG, risk and determinants of, 1482
Myocardial ischemia in Japanese AMI patients, effects of statins, 1165
preexisting, prognostic value of early exercise testing and clinical risk score in chest pain without, 633
during PTCA-induced acute coronary occlusion, relation to ST-segment deviation, 295
relation to ventricular premature complexes during recovery from myocardial perfusion exercise stress test, 1570
rescue PCI after CABG in the drug-eluting stent era, 789
silent, in type 2 diabetes mellitus, relation to metabolic syndrome and insulin resistance, 236
stress-induced, intramyocardial injection of autologous bone marrow–derived mononuclear cells for, 1326
transendocardial autologous bone marrow transplantation for, 823
Myocardial perfusion after MI and/or coronary revascularization, 1
exercise stress test, relation of myocardial ischemia to ventricular premature complexes during recovery from, 1570
relation to postexercise abnormal heart rate recovery, 1452
stress
vs coronary calcium, in apparently healthy siblings of individuals with premature CAD, 328
technetium-99m–tetrofosmin SPECT in, 1
Myocardial scar detection by contrast-enhanced MRI
in minimal angiographic CAD, 768
in troponin-positive chest pain, 768
extent of, relation to B-type natriuretic peptide early after AMI, 1146
Myocardial viability, determination by contrast-enhanced MRI vs fluorine-18 deoxyglucose PET, 452
Myocardium atrial and ventricular, in patients with atrial fibrillation, selective induction of TIMPs and MMP in, 532
failing human, expression of membrane attack complex in, 1626
of left atrium, histology of, relation to pulmonary vein incorporation, 662
Naki, Hamilton, 435 (Readers’ Comments)
Natriuretic peptides atrial and brain, plasma levels after radiofrequency catheter ablation of atrial fibrillation, 1741
B-type. See also N-Terminal ProBNP
activation of, relation to left ventricular end-systolic remodeling in organic and functional mitral regurgitation, 1029
bedside testing for, to identify right ventricular dysfunction and outcome in acute pulmonary embolism, 1386
vs Doppler, cost-effectiveness in predicting outcomes of CHF, 400
effects of volume and/or pressure overload secondary to congenital heart disease on, 1051
to identify CAD and left ventricular hypertrophy in asymptomatic CKD patients, 1530
levels in coronary sinus and ascending aorta of aortic stenosis and CHD patients, 1068, 1107 (Editorial)
in prediction of left ventricular hypertrophy in systemic hypertension, 249

SUBJECT INDEX
Obstructive hypertrophic cardiomyopathy.

Neointima, heterogeneity of, in in-stent restenosis in diabetes mellitus patients, 340
Nephropathy, contrast-induced, incidence in high-risk patients, effect of rapid intra-arterial infusion of 5% dextrose before coronary angiography on, 981
Nesiritide, serial home infusions, safety and tolerability for advanced heart failure, 1370
Neutrophil/lymphocyte ratio, in prediction of long-term mortality after PCI, 993
Nicotin, benefits in healed MI patients with vs without metabolic syndrome, 477
N-Terminal ProBNP
on admission of AMI patients, relation to scintigraphic infarct size, repertusion efficacy and prognosis, 1151
elevated, relation to biventricular dysfunction in adult patients with operated tetralogy of Fallot, 1377
to identify CAD and left ventricular hypertrophy in asymptomatic CKD patients, 1530
plasma, as marker of functional capacity and left ventricular remodeling in chronic severe mitral regurgitation, 1498
for predicting long-term mortality in diabetes mellitus, 167
in non-ST-elevation ACS, 167
for predicting long-term outcome after PCI in patients with normal troponin T levels, 830

Obesity
with advanced heart failure, home-based exercise program for, 886
with CAD, relation of short-term sibutramine therapy to improved endothelial function, 1650
weight loss, 1650
effects on benefits of atorvastatin or pravastatin in CAD, 1553
impact on outpatient echocardiography laboratory, 1082
and leukocyte count, relation to metabolic syndrome, 835
and metabolic syndrome, relation to carotid artery stiffness in children, 528
relation to CAD severity in patients undergoing coronary angiography, 1277
role in cognitive impairment, 1262

Obstructive hypertrophic cardiomyopathy. See Cardiomyopathy
Omega-3 fatty acids
effects of dietary supplementation on endothelium-dependent vasodilation in chronic heart failure, 547
effects on men with healed MI and depressed ejection fractions
heart rate recovery after exercise, 1127
heart rate variability, 1127
resting heart rate, 1127

Optical coherence tomography
in assessment of coronary arterial plaques, 1172
in assessment of coronary thrombus, 1713

Osteopenia, prevalence of atherosclerotic vascular disease in postmenopausal women with or without, 1427
Osteoporosis, postmenopausal women with effects of raloxifene on cardiovascular adverse events in, 520
or without, prevalence of atherosclerotic vascular disease in, 1427
Outflow tract reconstruction, vs Fontan repair, for pulmonary atresia/intact ventricular septum, exercise capacity after, 1638
Outpatient echocardiography laboratory, impacts of obesity, 1082
Overweight, patients with advanced heart failure, home-based exercise program for, 886
Oxygen consumption, peak, vs ventilatory equivalent, in predicting outcomes of heart failure patients, 1607

Pacing
biventricular and left ventricular, effects on ventricular dysynchrony in compensated heart failure, exercise echocardiographic assessment, 1622
dual-chamber, with echocardiographic evaluation of optimal atrioventricular delay in hypertrophic cardiomyopathy, 1769
long-term right ventricular, after His bundle ablation, left ventricular remodeling during, 1223
new paradigm for cardiac rehabilitation resistance exercise guidelines, 281
optimal left ventricular site, and tissue synchronization imaging in CRT, 1615
Paclitaxel-eluting stents
vs bare metal stents, in primary and rescue PCI for STEMI, 1308
vs sirolimus-eluting stents
in coronary arteries, late luminal loss as predictor of clinical efficacy, 603
for coronary in-stent restenosis, 1182
dexamethasone-eluting stents, outcome, restenosis rates and CRP levels, 1311
effects on T-cell subset redistribution in CAD, 494
undeployed, failure to retrieve, 502
PAI-1. See Plasminogen activator inhibitor 1
Papillary fibroelastoma, of mitral valve, tumor excision vs valve replacement, 759
Paroxetine, in depressed men with paroxysmal atrial fibrillation, 1749
PAR-1 thrombin receptor. See Protease-activated receptor-1
PBMV. See Percutaneous balloon mitral valvuloplasty
PCI. See Percutaneous coronary intervention
Pediatrics
aortic root dilatation and aortic regurgitation after tetralogy of Fallot repair, 905
children with heart failure due to idiopathic dilated cardiomyopathy
diastolic duration in, 101
systolic duration in, 101
MRI in diagnosis of arrhythmogenic right ventricular dysplasia, 1232
relation of carotid artery stiffness to obesity and metabolic syndrome, 528
Percutaneous balloon mitral valvuloplasty, one-year outcome of cardioversion of atrial fibrillation in mitral valve stenosis after, 1045
Percutaneous coronary intervention. See also Stents
in ACS, intravascular ultrasound of coronary arteries during, 29
and adjunctive abiciximab, ST segment analysis in AMI after, 48
cardiac catheterization laboratory and patient transfer for, 591 (Readers’ Comments)
for chronic total coronary occlusions, trends in, 1691
coronary microvascular resistance during anterior wall AMI and after, 1131
drug-eluting vs bare metal stents for non-ST-elevation ACS, effects on biomarkers, 1473
effects of high vs low clopidogrel loading dose on stable angina pectoris patients subjected to, 984
elective high-risk, safety and feasibility of left ventricular support with Impella Recover LP 2.5, 990
first elective, effects of morning vs evening atorvastatin intake on major cardiac events and restenosis rates after, 44
high-risk, effects of GPRAs on inhibition of platelet aggregation in patients under, 489
hospital costs in treating complications of, 322
impact of >3 vs single sirolimus-eluting stents on outcomes in, 606
long-term aspirin and clopidogrel after, effects on platelet function, 38
MRI vs echocardiography to predict myocardial function improvement after, 361
multivessel vs single-vessel, outcomes of, 1585
neutrophil/lymphocyte ratio in prediction of long-term mortality after, 993
in patients with normal troponin T levels, N-Terminal ProBNP in prediction of long-term outcome after, 830
planned vs provisional use of GPRAs in smokers undergoing, 1679
primary prediction of one-year mortality among 30-day STEMI survivors after, 817
and rescue, with paclitaxel-eluting stents vs bare metal stents for STEMI, 1308
prognostic effects of distal vs proximal coronary occlusion on AMI after, 1137
reactive hypoxemia after, effect on myocardial tissue reperfusion in AMI, 617
relation of CK-MB elevation and ischemic end points to angiographic adverse events during, 1591
rescue after CABG in the drug-eluting stent era, 789
after failed thrombolysis, meta-analysis, 1685
sirolimus-eluting stents vs bare metal stents
impact of chronic renal insufficiency on outcomes of, 792
for saphenous vein graft, 34
for STEMI, effect of platelet inhibition after abiciximab administration on myocardial reperfusion after, 798
stenting, for unstable angina, impact of clopidogrel on circulating levels of soluble CD40 ligand, 192
vs thrombolysis, effects on outcomes of renal failure with STEMI, 1142
usefulness and safety for cardiac transplant vasculopathy, 1192
Pericardial effusion, relation to fractional shortening, 910
Percutaneous transluminal coronary angioplasty
relation of ST-segment deviation to myocardial ischemia during acute coronary occlusion induced by, 295
vs stenting, cardiovascular complications of noncardiac surgery after, 1188
with vs without stenting, long-term outcomes, 1467
Pericardial effusion, relation to fractional shortening, 910
Peripartum cardiomyopathy. See Cardiomyopathy
Peripheral arterial disease
as marker of risk for abdominal aortic aneurysm in CAD, 1549 (Readers' Comments)
prevalence in postmenopausal women with or without osteoporosis or osteopenia, 1142
Personality, type D, effects on prognosis of CHD, 970
PET. See Positron emission tomography
PISA. See Proximal isovelocity surface area
Placebo effect
on laser myocardial revascularization in CHD, 152 (Readers' Comments)
on therapeutic angiogenesis in CHD, 152 (Readers' Comments)
Placenta-derived growth factors
relation to development of collateral vessels, angiographic evaluation, 472
in stable angina pectoris and total coronary artery occlusion, 472
Plant stanol, effects on low-density lipoprotein lowering in patients on statin therapy, 376
Plaques
coronary
assessment by optical coherence tomography, 1172
characterization using intravascular ultrasound vs multidetector computed tomography, 598
multiple unstable, manifested by recurrent STEMI in different territory after fibrinolysis, 947
relation to CHD, 1564
relation to left ventricular hypertrophy, effect of ethnicity, 1441
ruptured, in native coronary arteries vs saphenous vein grafts, intravascular ultrasound of, 593
Plasminogen activator inhibitor 1, relation to depression and fatigue in patients with or without CHD, 1287
Platelet aggregation
inhibition after abciximab administration, effect on myocardial reperfusion after PCI for STEMI, 798
inhibition by GPRAs in patients undergoing high-risk PCI, 489
Platelets
in coronary thrombus of AMI patients, 26
expression of PAR-1 thrombin receptor, in patients with metabolic syndrome, effects of statins, 1332
function, effects of long-term aspirin and clopidogrel after PCI, 38
Polymorphism
of IGF-I promoter, relation to mortality in elderly Caucasians with MI, 1274
of lipoprotein lipase, relation to dyslipidemia and diabetes in Asian Indians, 1337
Positron emission tomography, fluorine-18 deoxyglucose, vs contrast-enhanced MRI, in detection of myocardial viability, 452
Postmenopausal women. See Women
Potassium, abnormal serum concentration, safety of exercise testing in patients with, 1247
POTO. See Pulmonary outflow tract obstruction
Pravastatin, benefits in CAD, effects of obesity, 1553
Pregnancy, arrhythmia recurrence during, in women with previous tachyarrhythmia, impact on fetal and neonatal outcomes, 1206
Pressure overload, secondary to congenital heart disease, effects on right ventricular function, 1051
Primary care physician, vs disease management program, for idiopathic dilated cardiomyopathy, 253
Prolapse, mitral valve, frequency of atrial fibrillation in mitral regurgitation secondary to, 1039
Prosthesis failure
assessment of leaflet motion in transesophageal echocardiography in, 94
transtheracric echocardiography in, 94
clinical recurrence after sirolimus-eluting stent implantation, 1582
Protease-activated receptor-1, platelet expression of, in patients with metabolic syndrome, effects of statins, 1332
Proximal isovelocity surface area, vs transthoracic three-dimensional Doppler echocardiography, for assessment of mitral regurgitation, 1630
Pseudoxanthoma elasticum, left ventricular systolic and diastolic functions in, 1535
Psychological stress, effects on prognosis of CHD, 970
PTCA. See Percutaneous transluminal coronary angioplasty
Publications, good books in cardiology appearing in 2005, 430 (From the Editor)
Pulmonary atresia, exercise capacity after univentricular vs biventricular repair for, 1638
Pulmonary embolism
acute bedside testing for brain natriuretic peptides to identify right ventricular dysfunction and outcome in, 1386
predictors of hemorrhage after fibrinolysis for, 127
fatal, in ischemic stroke, 1778
Pulmonary hypertension
cardiopulmonary exercise testing in, 123
six-minute walk in, 123
Pulmonary outflow tract obstruction, in neonates, significance of reverse orientation of ductus arteriosus for early intervention of, 716
Pulmonary stenosis
causing volume and/or pressure overload, effects on right ventricular function and B-type natriuretic peptides, 1051
peripheral, efficacy of medium-sized cutting balloons vs standard balloons for dilation of, 1080
Pulmonary vein ablation, use of esophageal leads in determining strategies of, 1494
incorporation, relation to histology of myocardial wall of left atrium, 662
P waves, during exercise testing, in CAD prediction, 1126 (Readers' Comments)
QRS wave, in prediction of mortality after AMI, 353
QT interval
prolongation by acute cocaine administration in habitual users, 1244
in ischemic or non-ischemic cardiomyopathy, effects of head-up tilt, 412
and subintervals, from large ethnically diverse population of women aged 50 to 79 years, 730
Quality of health care
in African-American patients admitted for CHF at a university teaching hospital, 690
patient and physician perceptions, 1073
Quality of life, in CAD patients with or without diabetes mellitus, 1267
Quinapril, effects on left atrial remodeling, left ventricular diastolic function and arterial stiffness, 916
Q waves, redefinition of electrocardiographic criteria for MI, 974
Racial differences. See Ethnicity
Radiofrequency catheter ablation. See Catheter ablation
Radionuclide imaging, myocardial ischemia during PTCA-induced acute coronary occlusion, relation to ST-segment deviation, 295
Raloxifene, effect on cardiovascular adverse events in osteoporotic postmenopausal women, 520
Real-time three-dimensional echocardiography. See Echocardiography
Recovery of function, two weeks after AMI, 952
Remodeling. See also Atrial remodeling; Ventricular remodeling
patterns of minimally diseased coronary arteries, 13
postnatal, of ductus arteriosus, CD44-v6 expression in smooth muscle cells, 1056
Renal failure, with STEMI, effects of PCI vs thrombolysis on outcomes of, 1142
Renal impairment, gender differences in relation to angiographic CAD and long-term mortality, 630
Renal insufficiency, chronic, impact on outcomes of PCI with sirolimus-eluting stents vs bare metal stents, 792

Reperfusion in AMI, effect of reactive hyperemia after PCI on, 617 myocardial after PCI for STEMI, effect of platelet inhibition after abciximab administration on, 798 effect of pre-MI angina pectoris on arrhythmias after, 1157 efficacy of, relation to N-Terminal ProBNP on admission of AMI patients, 1151 thrombolysis vs PCI, effects on outcomes of renal failure with STEMI, 1142

Restenosis after drug-eluting stent implantation vs brachytherapy, intravascular ultrasound of, 1292 in one or more coronary arteries, predictors and incidence, 506 after implantation of overlapping sirolimus-eluting (Cypher) stents, angiographic patterns, 499 coronary in-stent, sirolimus vs paclitaxel-eluting stents for, 1182 effects of morning vs evening atorvastatin intake after first elective PCI on, 44 in-stent in diabetes mellitus patients, heterogeneity of neointimal distribution, 340 on- vs off-label use of drug-eluting stents in clinical practice, 1478 plasma aldosterone levels for prediction of, 785 of saphenous vein graft, safety and efficacy of balloon angioplasty vs vascular brachytherapy vs drug-eluting stents for, 1303 serial angiography after intracoronary brachytherapy for, 21 rates after implantation of sirolimus- vs paclitaxel- vs dexamethasone-eluting stents, 1311 in stable angina, soluble CD40 ligand in prediction of, 198

Resynchronization. See Cardiac resynchronization therapy Retinal arteries, and CHD, 1549 (Readers’ Comments) Revascularization in AMI, gender differences of, 1722 effects of morning vs evening atorvastatin intake after first elective PCI on, 44 incomplete, exercise myocardial scintigraphy in multivessel coronary disease after, 207 laser myocardial, in CHD, placebo effect on, 152 (Readers’ Comments) vs medical therapy, in CAD patients undergoing TAPSE, relation to survival, 804 optimized, effects on incidence of sudden cardiac death after AMI, 480 PTCA with vs without stenting, long-term outcomes, 1467 of target vessel, in multivessel vs single-vessel PCI, 1585 Rheumatic mitral stenosis, atrial fibrillation before isolated mitral valve replacement for, 1035 Right atrium, pressure in anesthetized, paralyzed, and mechanically ventilated patients, accuracy of Doppler estimation, 1654 Right ventricle in arrhythmogenic dysplasia in children, diagnosis using MRI, 1232 feasibility and variability of MRI vs three-dimensional echocardiography, 703 dysfunction in adult patients with operated tetralogy of Fallot, relation to elevated NT-pro-BNP and reduced exercise capacity, 1377 and outcome in acute pulmonary embolism, bedside testing for brain natriuretic peptides for identification of, 1386 function, effects of volume and/or pressure overload secondary to congenital heart disease, 1051 involvement in Churg-Strauss syndrome, 1519 long-term pacing, after His bundle ablation, left ventricular remodeling during, 1223 peak systolic pressure, relation to major adverse events in CRT, 1737 tissue Doppler imaging of free wall mechanical delay and dysfunction, 434 (Readers’ Comments) Rosiglitazone, vs combination with atorvastatin, effects on biomarkers of cardiovascular disease in type 2 diabetes, 466 Rosuvastatin vs atorvastatin, efficacy and safety in hypercholesterolemic African-Americans, 229 short-term treatment, effect on estimated glomerular filtration rate, 1602

Saphenous vein graft in-stent restenosis, safety and efficacy of balloon angioplasty vs drug-eluting stents, 1303 vs vascular brachytherapy, 1303 intravascular ultrasound of aorto-ostial vs shaft lesions, 1463 vs native coronary arteries, intravascular ultrasound of ruptured plaques in, 593 sirolimus-eluting vs bare metal stents for, 34 Scintigraphy. See Radionuclide imaging Sclerosis, aortic valve, relation to morbidity and mortality in community-dwelling elderly individuals, 1281 Self-transport, vs EMS, mortality in STEMI patients arriving by, 458 Septal ablation, alcohol, for obstructive hypertrophic cardiomyopathy predictors of subacute complete heart block after, 264 time course of pressure gradient response after, 1511 Serotonin, coronary hypersensitivity to, in cardiac transplant recipients, effects of vitamin C, 561 Sibutramine, short-term therapy, relation to weight loss and improved endothelial function in obese patients with CAD, 1650 Simvastatin monotherapy, vs Vytorin, muscle safety profiles, 223 phenotypic predictors of response to, African-Americans vs Caucasians, 843 Single-photon emission computed tomography gated, relation of postexercise abnormal heart rate recovery to left ventricular perfusion and function, 1452 intact size, relation to N-Terminal ProBNP on admission of AMI patients, 1151 for MI and/or coronary revascularization, 1 vs myocardial contrast echocardiography, to predict AMI transmurality, 1718 stress technetium-99m-tetrofosmin myocardial perfusion, 1 for cardiovascular disease risk stratification in metabolic syndrome and diabetes, 1538 in multivessel coronary disease after incomplete revascularization, 207 technetium-99m sestamibi, effect of body mass index on left ventricular cavity size and ejection fraction, 725 Sirolimus-eluting stents vs bare metal stents impact of chronic renal insufficiency on outcomes of PCI with, 792 safety and efficacy for STEMI, 1299 for saphenous vein graft intervention, 34 safety and efficacy for STEMI, 1299 vs native coronary arteries, intravascular ultrasound of ruptured plaques in, 593 vs bare metal stents, 792 sirolimus-eluting vs bare metal stents, 792 vs vascular brachytherapy, 1303 vs drug-eluting stents, 1182 vs myocardial contrast echocardiography, to predict AMI transmurality, 1718 vs bare metal stents, 34 time course of pressure gradient response after, 1511 for coronary bifurcation lesions, implantation by crush technique, long-term outcomes, 1317 overlapping, angiographic patterns of restenosis after implantation of, 499 vs paclitaxel-eluting stents in coronary arteries, late luminal loss as predictor of clinical efficacy, 603 for coronary in-stent restenosis, 1182 vs dexamethasone-eluting stents, outcome, restenosis rates and CRP levels, 1311 effects on T-cell subset redistribution in CAD, 494 safety and feasibility of various implantation techniques for unprotected left main coronary artery bifurcation stenosis, 1597 ≥3 vs single, impact on outcomes in PCI patients, 606 Six-minute walk and cardiopulmonary exercise testing, 123 in pulmonary hypertension, 123 Smokers, undergoing PCI, planned vs provisional use of GPRAs in, 1679 Smooth muscle cells, in postnatal remodeling of ductus arteriosus, CD44-v6 expression in, 1056 Social integration, relation to CRP and IL-6 levels in men and women 70 to 79 years, 1010 Sodium, serum levels, effects of tolvaptan vs fluid restriction, 1064 SPECT. See Single-photon emission computed tomography Sphygmonograph, in America, historical study, 580 Stable angina. See Angina pectoris Stanol, plant, effects on low-density lipoprotein lowering in patients on statin therapy, 376 Statins adding colesevelam hydrochloride to, in hypercholesterolemia effects on high-sensitivity CRP, 1198
effects on low-density lipoprotein, 1198
in cholesterol management by targeting lower low-density lipoprotein concentra-
tion, 1667 (Editorial)
effect on coronary collateral development in diabetes mellitus, 772
effect on infarct-related coronary artery patency, 7
effect on platelet expression of PAR-1 thrombin receptor in patients with meta-
oblic syndrome, 1332
effect on risk
of atrial fibrillation after CABG, 55, 1266 (Readers’ Comments), 1551 (Readers’ Comments)
of ventricular arrhythmia in CAD, 153 (Readers’ Comments)
effects of plant stanol on low-density lipoprotein lowering in patients on, 376
effects on CHF and myocardial ischemia in Japanese AMI patients, 1165
effects on kidney function, 748
effects on mortality and size of abdominal aortic aneurysm, 279
effects on renal function after aortic cross clamping during major vascular sur-
gery, 1383
influence on length of hospitalization in major vascular surgery patients, 1423
over-the-counter availability, impact on CHD, 851
time of initiation after hospital discharge
relation to mortality in AMI patients Â€65 years of age, 155
relation to risk of recurrent AMI in patients Â€65 years of age, 155
use before STEMI, 7
STEMI. See ST-segment elevation myocardial infarction
Stenosis. See also Coronary stenosis
aortic valve
CRP as predictor of progression of, 90
levels of aldosterone, angiotensin II and B-type natriuretic peptide in ascend-
ing aorta and coronary sinus, 1068, 1107 (Editorial)
mitral valve, after PBMV, one-year outcome of cardioversion of atrial fibrillation in, 1045
peripheral pulmonary, efficacy of medium-sized cutting balloons vs standard
balloons for dilatation of, 1066
pulmonary, causing volume and/or pressure overload, effects on B-type natriuretic peptides, 1051
effects on right ventricular function, 1051
rheumatic mitral, atrial fibrillation before isolated mitral valve replacement for, 1035
unprotected left main coronary artery biliturcation, safety and feasibility of various
sirolimus-eluting stent implantation techniques for, 1597
Stents
vs balloon angioplasty, outcomes of AMI after, 977
bare metal, circadian variation in symptomatic subacute stent thrombosis, 195
carotid artery, optimal activated clotting time during implantation of, 1657
“direct,” without balloon predilatation, effectiveness of, 316
drug-eluting
vs bare metal, for non-ST-elevation ACS, effects on biomarkers, 1473
vs brachytherapy, intravascular ultrasound of restenosis after, 1292
on- vs off-label use in clinical practice, 1478
for ostial de novo left anterior descending coronary artery lesions, early out-
come, 187
predictors and incidence of restenosis after placement in one or more coro-
nary arteries, 506
rescue PCI after CABB, 789
vs vascular brachytherapy vs balloon angioplasty, safety and efficacy for sa-
phenous vein graft in-stent restenosis, 1303
exercise myocardial scintigraphy in multivessel coronary disease after incomplete
revascularization with, 207
implantation in AMI, angiographic no-reflow phenomenon during, 301
long-term outcomes of PTCA with vs without, 1467
paclitaxel-eluting. See Paclitaxel-eluting stents
in patients with unstable angina pectoris, impact of clopidogrel on circulating
levels of soluble CD40 ligand, 192
vs PTCA, cardiovascular complications of noncardiac surgery after, 1188
restenosis
in diabetes mellitus patients, heterogeneity of neointimal distribution in, 340
plasma aldosterone levels for prediction of, 785
serial angiography after intracoronary brachytherapy for in-stent restenosis, 21
sirolimus-eluting. See Sirolimus-eluting stents for stable angina, soluble CD40 ligand in prediction of restenosis, 198
Strain, two-dimensional and tissue based, validation with harmonic phase MRI, 1661
Stress
doubletamine echocardiography
heart rate reserve vs 85% of age-predicted maximum heart rate as measure of
chronotropic response during, 742
in observing wall motion abnormalities during recovery after acute beta-
blocker administration, 462
for MI and/or coronary revascularization, 1
myocardial perfusion
vs coronary calcium, in apparently healthy siblings of individuals with pre-
mature CAD, 328
relation of myocardial ischemia to ventricular premature complexes during
recovery from, 1570
safety in patients with abnormal serum potassium concentration, 1247
technetium-99m-tetrofosmin myocardial perfusion, 1
for cardiovascular disease risk stratification in metabolic syndrome and dia-etes, 1538
Stroke
ischemic, fatal pulmonary embolism in, 1776
prediction by aortic root dimension in persons Â€65 years of age, 270
prevalence in postmenopausal women with or without osteoporosis or osteo-
epria, 1427
ST-segment analysis, in AMI after PCI and adjunctive abciximab, 48
ST-segment deviation
in lead aVR, and troponin T, for early risk stratification in non-ST-segment eleva-
tion ACS, 334
relation to myocardial ischemia during PTCA-induced acute coronary occlusion, 295
ST-segment elevation, for predicting outcomes after primary coronary angioplasty vs
fibrinolysis, 611
ST-segment elevation myocardial infarction
30-day survivors after primary PCI, prediction of one-year mortality among, 817
effect of platelet inhibition after abciximab administration on myocardial reperfu-
sion after PCI for, 798
effects of PCI vs thrombolysis on outcomes of renal failure with, 1142
medication use prior to, effect on infarct-related coronary artery patency, 7
mortality in patients arriving by EMS vs self-transport, 458
nocturnal melatonin levels and CRP in patients with, 10
on- vs off-label use of drug-eluting stents in clinical practice, 1478
paclitaxel-eluting stents vs bare metal stents in primary and rescue PCI for, 1308
prognostic value of nocturnal melatonin levels, 1162
recurrence in different territory, after fibrinolysis, as manifestation of multiple
unstable coronary arterial plaques, 947
safety and efficacy of sirolimus-eluting stents vs bare metal stents for, 1299
Sudden death
incidence after AMI, effects of optimized medical and revascularization therapy, 480
in young female military recruits, 1756
Surgery
cardiac, incidence and risk factors of heart failure in adolescents and adults with
congenital heart disease after, 1238
clinician use of perioperative cardiovascular testing guidelines, effects on out-
comes, 118
major vascular
effects of statins on renal function after aortic cross clamping during, 1383
influence of cardiac risk factors and medication length of hospitalization, 1423
noncardiac
after PTCA vs stenting, cardiovascular complications of, 1188
prognostic value of routine preoperative electrocardiography in, 1103
valve, detection of coronary stenosis with multidetector computed tomography vs noninvasive coronary angiography before, 1506
Survival
after AMI, effect of p-blockers, 1125 (Readers’ Comments)
after MI among diabetics, racial differences on, 1551 (Readers’ Comments)
long-term, relation to revascularization vs medical therapy in CAD patients undergoing TAPSE, 804
in patients with normal left ventricular ejection fractions, 959
Swan, Harold James Charles, 1545 (Historical Study)
Sympathy, and empathy, clinical usefulness of, 1789 (Editorial)
Syncpe
high risk of ventricular arrhythmias in patients with nonischemic dilated cardiomyopathy with, 416
neurally mediated, contribution of decreased atrial function in pathogenesis of, 1017
Systolic function
in children with heart failure due to idiopathic dilated cardiomyopathy, 101
vs diastolic function
in heart failure patients ≥65 years of age, left atrium in, 83
left ventricular, as outcome predictor after PCI for AMI, 160
in heart failure, prognostic value of restrictive mitral filling pattern, 676
left ventricular
after exercise training in young men, 1089
in Behçet’s disease, pulse-wave Doppler and Doppler tissue imaging of, 716
effects of growth hormone therapy, 1037
effects of long-term cocaine use, 1085
effects of tuna or other broiled or baked fish vs fried fish, 216
impaired, prediction of exercise tolerance by diastolic mitral anular velocity, 1025
in ischemic or idiopathic dilated cardiomyopathy, tissue Doppler assessment of ejection fractions and IVA, 872
in non-compacted and compacted segments in isolated left ventricular non-compaction, 738
in pseudoxanthoma elasticum, 1535
relation to pericardial effusion, 910
remodeling in organic and functional mitral regurgitation, relation to B-type natriuretic peptide activation, 1029
peak pressure, right ventricular, relation to major adverse events in CRT, 1737
Tachyarrhythmia. See Tachycardia
Tachycardia, previous, arrhythmia recurrence during pregnancy in women with, impact on fetal and neonatal outcomes, 1206
Tadalafil, for erectile dysfunction, incidence of cardiovascular adverse events, 1778
TAPSE. See Transesophageal atrial pacing stress echocardiography
Taxus stents, undeployed, failure to retrieval, 502
Technetium-99m sestamibi, SPECT, effect of body mass index on left ventricular
Technetium-99m tetrofosmin
exercise scintigraphy, in multivessel coronary disease after incomplete revascularization, 207
SPECT, in MI and/or coronary revascularization, 1
stress SPECT, for cardiovascular disease risk stratification in metabolic syndrome and diabetes, 1538
Tei index, relation of biventricular dysfunction to elevated NT-pro-BNP and reduced exercise capacity in adult patients with operated tetralogy of Fallot, 1377
Tetralogy of Fallot
causing volume and/or pressure overload, effects on right ventricular function and B-type natriuretic peptides, 1051
operated, relation of biventricular dysfunction to elevated NT-pro-BNP and reduced exercise capacity in adult patients with, 1377
repair, aortic root dilation and aortic regurgitation after, 905
TF. See Tissue factor
Thiazolidinediones, effect on serum CRP levels, meta-analysis, 655
Thomas, Vivien, 435 (Readers’ Comments)
Three-dimensional echocardiography. See Echocardiography
Thrombocytopenia, prevalence and management with GPRAs, 426
Thromboembolism, left atrial appendage, detection by transesophageal echocardiography 421
Thrombolysis
effects during out-of-hospital CPR, 305
failed, meta-analysis of rescue PCI after, 1685
vs PCI, effects on outcomes of renal failure with STEMI, 1142
Thrombolysis In Myocardial Infarction risk score, during ER stay in low-risk patients with acute chest pain, frequency and timing of changes in, 781
Thrombosis, symptomatic subacute stent, after bare metal coronary stent implantation, circadian variation in, 195
Thrombotic endocarditis, nonbacterial, in cancer and cerebral ischemia, for detection by transesophageal echocardiography, 894
Thyroid gland, intracardiac accessory, 926
TIMI risk score. See Thrombolysis In Myocardial Infarction risk score
TIPS. See Tissue inhibitors of metalloproteinases
Tirofiban
effects on inhibition of platelet aggregation in patients undergoing high-risk PCI, 489
for thrombocytopenia, 426
Tissue factor, in coronary thrombus of AMI patients, 26
Tissue inhibitors of metalloproteinases, selective induction in atrial and ventricular myocardium in patients with atrial fibrillation, 532
Tissue plasminogen activator antigen, relation to depression and fatigue in patients with or without CHD, 1287
Tissue synchronization imaging, and optimal left ventricular pacing site in CRT, 1615
T-lymphocytes, subset redistribution in CAD, effects of sirolimus- vs paclitaxel-eluting stents, 494
Tolvaptan, vs fluid restriction, for hyponatremia, 1054
t-PA antigen. See Tissue plasminogen activator antigen
Transesophageal atrial pacing stress echocardiography, relation of survival to revascularization vs medical therapy in CAD patients undergoing, 804
Transesophageal echocardiography
in assessment of leaflet motion in prosthetic valve dysfunction, 94
in patients with cancer and cerebral ischemia, for detection of cardiac sources of embolism, 894
of nonbacterial thrombotic endocarditis, 894
in prediction of left atrial appendage thrombus 421
tissue Doppler, for assessment of aortic wall mechanics in Marfan syndrome, 571
vs transthoracic, diagnosis of right-to-left atrial shunting, 434 (Readers’ Comments)
Transthoracic echocardiography
in assessment of leaflet motion in prosthetic valve dysfunction, 94
three-dimensional Doppler, vs PISA, for assessment of mitral regurgitation, 1630
vs transesophageal, diagnosis of right-to-left atrial shunting, 434 (Readers’ Comments)
Triglyceride/high-density lipoprotein ratio, in prediction of low-density lipoprotein particle size, phenotype B and particle concentrations in Asian Indians, 1007
Troponin
chest pain positive for, contrast-enhanced MRI in detection of myocardial scar in, 768
Tropinin T
normal levels, N-Terminal ProBNP in prediction of long-term outcome after PCI in patients with, 830
for predicting long-term mortality in diabetes mellitus, 167
in non-ST-elevation ACS, 167
and ST segment in lead aVR, for early risk stratification in non–ST-segment elevation ACS, 334
Tumor excision, vs valve replacement, for papillary fibroelastoma of mitral valve, 759
Turner syndrome, effects of growth hormone treatment on aortic distensibility and dimensions in, 1644
T waves
abnormalities, relation to extent of CAD, 1124 (Readers’ Comments)
ultrasonography, intravascular. See Intravascular ultrasound.

Unstable angina. See Angina pectoris.

Valvuloplasty, percutaneous balloon mitral, one-year outcome of cardioversion of valve prosthesis.

Valve prosthesis adherence to ACC/AHA guidelines on periprocedural anticoagulation in patients with, 891

in assessment of leaflet motion in dysfunction of transesophageal echocardiography, 94

transtracheal echocardiography, 94

influence on erythrocyte survival, assessment by breath carbon monoxide, 1374

mitral, Starr-Edward model 6120, 756

vs tumor excision, for papillary fibroelastoma of mitral valve, 759

warfarin-related over-anticoagulation in patients with FFP for, 409

vitamin K for, 409

Valvuloplasty, percutaneous balloon mitral, one-year outcome of cardioversion of atrial fibrillation in mitral valve stenosis after, 1045

Vascular adhesion molecule-1, soluble, serum levels in patients with coronary vasospasm without CAD vs patients with stable angina and ACS with CAD, 1429

Vascular endothelial growth factor relation to development of collateral vessels, angiographic evaluation, 472

in stable angina pectoris and total coronary artery occlusion, 472

Vasculopathy. See Coronary artery disease.

Vasoconstriction endothelium-dependent, in chronic heart failure, effects of dietary omega-3 fatty acid supplementation on, 547

metabolic, in response to exercise, ischemia and endothelium-dependent flow-mediated dilation in African-American vs non–African-American patients with chronic heart failure, 685

Vasospasm, coronary induced by ergonovine maleate in vasospastic angina pectoris, intravascular ultrasound of, 1322

without CAD, vs stable angina and ACS with CAD, serum levels of inflammatory markers in patients with, 1429

Vegetarian diet. See Diet

Ventilatory equivalent, vs peak oxygen exercise consumption, in predicting outcomes of heart failure patients, 1607

Ventricles myocardium in patients with atrial fibrillation, selective induction of TIMPs and MMP in, 532

volume and function, in persistent atrial fibrillation before and after cardioversion, 1213

Ventricular arrhythmias. See Arrhythmias.

Ventricular dysfunction left in adult patients with operated tetralogy of Fallot, relation to elevated NT-pro-BNP and reduced exercise capacity, 1377

secondary to CHF, relation to T-wave alternans, 775

right in adult patients with operated tetralogy of Fallot, relation to elevated NT-pro-BNP and reduced exercise capacity, 1377

and outcome in acute pulmonary embolism, bedside testing for brain natriuretic peptides for identification of, 1386

Ventricular dysfunction, in compensated heart failure, exercise echocardiographic assessment of effects of biventricular and left ventricular pacing, 1622

Ventricular fibrillation, in users of implantable cardioverter-defibrillator, prevalence and predictors of, 389

Ventricular function. See Left ventricular function; Right ventricular function.

Ventricular premature complexes, during recovery from myocardial perfusion exercise stress test, relation to myocardial ischemia, 1570

Ventricular remodeling end-systolic left, in organic and functional mitral regurgitation, relation to B-type natriuretic peptide activation, 1029

in CHF patients, effect of CRT on reversal of, 876

in chronic severe mitral regurgitation, plasma N-terminal ProBNP as marker of, 1498

during long-term right ventricular pacing after His bundle ablation, 1223

Ventricular tachycardia, in users of implantable cardioverter-defibrillator, prevalence and predictors of, 389

Vital exhaustion. See Fatigue.

Vitamin C, effects on coronary hypersensitivity to serotonin in cardiac transplant recipients, 561

Vitamin K, efficacy and safety for warfarin-related over-anticoagulation in patients with mechanical heart valves, 409

Volume overload, secondary to congenital heart disease, effects on right ventricular function, 1051

von Willebrand factor, in coronary thrombus of AMI patients, 26

Vytorin, vs simvastatin monotherapy, muscle safety profiles, 223

Wait-to-hip ratio, impact on systemic hypertension in lean Chinese, 839

Warfarin anticoagulation, effectiveness of manual pressure hemostasis after transfemoral coronary angiography in patients on, 485

over-anticoagulation, in patients with mechanical heart valves, efficacy and safety of vitamin K and FFP for, 409

use in patients with new-onset atrial fibrillation, patterns and predictors of, 538

Weight loss, in obese patients with CAD, relation to short-term sibutramine therapy, 1650

White blood cell count and body mass index, relation to metabolic syndrome, 835

for predicting in-hospital outcomes after AMI, 1558

Women aged 50 to 79 years, QT interval and subintervals from ethnically diverse population of, 730

all-cause mortality risk vs CHD for electrocardiographic abnormalities in, 309

with cardiac syndrome X, microvascular function, metabolic syndrome and risk factor status in, 1727

Caucasian and Africa-American, blood pressure stress reactivity and left ventricular mass among, 240

healthy postmenopausal, effects of vegetarian diet on blood pressure in, 380

HRV in, 380

and men, 70 to 79 years, relation of social integration to CRP and IL-6 levels, 1010

osteoartritic postmenopausal, effects of raloxifene on cardiovascular adverse events in, 520

postmenopausal with or without osteoporosis or osteopenia, prevalence of atherosclerotic vascular disease in, 1427

prevalence and determinants of electrocardiographic left ventricular hypertrophy in multiethnic population of, 512

with previous tachyarrhythmia, arrhythmia recurrence during pregnancy in, impact on fetal and neonatal outcomes, 1206

with suspected CAD, estrogen status as prognostic marker in, 367

young military recruits, sudden death in, 1756

Women, Hispanic impaired endothelial function among, 68

increased body mass index among, 68

Work, return to, two weeks after AMI, 952

Yawning, repetitive, in cardiac tamponade, 1547 (Readers’ Comments)