

INDEX

Note: Page numbers in *italics* indicate figures;
page numbers followed by t indicate tables.

- Acetaminophen
for calcium crystal disorders, 43
for osteoarthritis, 128-129, 130t-131t
propoxyphen with, 134
side effects of, 129
for supraspinatus tendinitis, 219
- Achilles tendinitis, 228
- Achilles tendon
enthesopathy of, 15t, 19
erosive changes at, 25
swelling of, 21
tophi in, 62
- Acidosis, lactic, 58t
- Acromegaly, osteoarthritis and, 118
- Acromioclavicular joint arthritis, 217
- ACTH (adrenocorticotrophic hormone), 67
- Adhesive capsulitis, 219-221
- Adolescence, ankylosing spondylitis in, 17, 19
- Adrenocorticotrophic hormone (ACTH), or gout, 67
- Adson's test, 224
- Age
calcium crystal disorders and, 36
fibromyalgia and, 48
giant cell arteritis and, 137-138
gout onset and, 59-60
juvenile chronic arthritis and, 74
low back pain and, 86t
myositis and, 104
osteoarthritis and, 119
polyarteritis nodosa and, 254
polymyalgia rheumatica and, 137-138
reflex abnormalities and, 87
Reiter's syndrome and, 161
rheumatoid arthritis and, 170
septic arthritis and, 206, 209
Takayasu's arteritis and, 252t
Wegener's granulomatosis and, 255
- Alcohol intake
acetaminophen and, 129
gout and, 59-60, 67
muscle weakness from, 114t
uric acid and, 58t
- Algodystrophy (reflex sympathetic dystrophy syndrome), 221-222
- Allopurinol, 69-70
- American Academy of Orthopaedic Surgeons (AAOS), 267
- American Academy of Physical Medicine and Rehabilitation (AAMP&R), 267
- American Association for Chronic Fatigue Syndrome (AACFS), 268
- American Autoimmune Related Diseases Association, Inc. (AARDA), 268
- American College of Rheumatology (ACR), 169
criteria of
for fibromyalgia, 50, 51t
for giant cell arteritis, 141, 142t
for osteoarthritis, 123, 126t-127t
for SLE, 233, 234t-236t
- American Juvenile Arthritis Organization (AJAO), 269
- American Lyme Disease Foundation, Inc. (ALDF), 269
- American Occupational Therapy Association, Inc. (AOTA), 270
- American Rheumatism Association, criteria of
for rheumatoid arthritis, 178t
for scleroderma, 199t
- Amido-phosphoribosyltransferase, in gout pathogenesis, 55, 56
- Amitriptyline, 53. See also *Tricyclic antidepressants*.
- Amoxicillin, 100t-101t
- Ampicillin/sulbactam (Unasyn), 204t
- Amyloidosis, 22
- Amyotrophic lateral sclerosis, 114t
- Anaphylactoid purpura, 78t
- Anemia
of chronic disease, 177
in SLE, 235t, 245
- Angiotensin-converting enzyme inhibitors, 200
- Ankle
anatomy of, 229
in rheumatoid arthritis, 172t
soft tissue rheumatism in, 228-229, 229
tarsal tunnel syndrome of, 230
- Ankylosing spondylitis
clinical presentation of, 17, 17t, 18, 19, 20-21, 22
diagnosis of, 23, 26
differential diagnosis of, 33, 39, 78t
gender and, 16
genetic susceptibility to, 16
historic description of, 13
joints involved in, 19, 20
laboratory tests in, 22
management of, 26
occurrence of, 16
pathogenesis of, 16
race/ethnicity and, 16
radiographs in, 22-23, 23-25, 26
- Anserine bursitis, 227
- Anterior cruciate resection, 118
- Anticytokines, 183-184
- Antidepressants, tricyclic. See *Tricyclic antidepressants*.
- Antimalarial agents
for psoriatic arthritis, 157
for SLE, 247
- Antinuclear antibodies
in juvenile chronic arthritis, 76
in myositis, 108
in osteoarthritis, 123

Antinuclear antibodies (*continued*)
 in scleroderma, 197-198
 in SLE, 236t, 243
 Antirheumatic drugs, slow-acting (SAARDs)
 for juvenile chronic arthritis, 82
 for rheumatoid arthritis, 181-183
 side effects of, 82
 Aortic inflammation, 19, 22
 Apical fibrosis, 19, 22
 Apolipoprotein B, 61
 Arm flexors insertions sites, 216
 Arteritis
 giant cell (temporal). See *Giant cell arteritis*.
 Takayasu's. See *Takayasu's arteritis*.
 Arthritis, reactive, 33. See also *Reiter's syndrome*.
 Arthritis and Rheumatism International (ARI), 270
 Arthritis Canada, 270-271
 Arthritis Foundation, 271
 Arthritis mutilans, psoriatic, 146, 151-152, 152
 Arthritis National Research Foundation, 272
Arthritis Today, 271
 Aspergillosis, 19
 Aspirin (Ecotrin), 81t. See also *Nonsteroidal anti-inflammatory drugs (NSAIDs)*.
 Axial skeleton
 fusion of, 17, 18
 in psoriatic arthritis, 146, 148, 152, 154
 in Reiter's syndrome, 166-167
 squaring of, 22, 24
 Azathioprine
 for giant cell arteritis, 143
 for juvenile chronic arthritis, 83
 for myositis, 111
 for Reiter's syndrome, 167
 for rheumatoid arthritis, 187
 for SLE, 247-248
 Back pain. See *Low back pain*.
 Baker's cyst, 228
 Bartter's syndrome, 58t
 Battered child syndrome, 78t
 Becker's disease, 114t
 Behçet's syndrome, 78t
 Bell's palsy, 98
 Bicipital tendinitis, 219-220, 220
 Body weight
 hyperuricemia and, 59
 low back pain and, 90
 Bone marrow toxicity, 66
 Bony whiskering, 23, 25
Borrelia burgdorferi. See also *Lyme disease*.
 isolation of, 96
 Bouchard's nodes, 120, 121
 Boutonnière's deformity, 239
 Bowel disease, inflammatory. See *Inflammatory bowel disease (IBD)*.

Brachial neuritis, 217
 Brain, blood flow to, in fibromyalgia, 48
 Breast implants, scleroderma and, 192
 Buerger's disease, 264-265
 Bursitis
 anserine, 227
 differential diagnosis of, 79t
 ischial, 226
 olecranon, xi, 215
 pelvic, 225, 225
 prepatellar, 226
 Butterfly rash, 233, 234t, 237, 238, 246
 Buttock pain, 14t
 Calcific tendinitis, 218
 Calcium channel blockers, 200
 Calcium crystal disorders. See also *Gout*.
 age and, 36
 clinical presentation of, 37, 39
 diagnosis of, 40, 42-43
 differential diagnosis of, 39-40, 41t, 42
 disorders associated with, 42
 familial association of, 36-37
 gender and, 36
 joint involvement in, 38
 laboratory findings in, 39, 40
 management of, 43
 microscopy of, 43
 occurrence of, 36-37
 olecranon bursitis in, 215
 pathogenesis of, 35-36
 prevention of, 43
 radiographs in, 39, 41
 tendinitis from, 218
 Calcium pyrophosphate dihydrate crystals. See also
Calcium crystal disorders.
 characteristics of, 39, 40
 formation of, 35
 Capsaicin cream, 128, 131t
 Capsulitis, adhesive, 219-221
 Carbon dioxide, muscle weakness from, 114t
 Cardiac disorders
 in Lyme disease, 96, 100t
 in scleroderma, 197
 in SLE, 240, 248
 Carpal tunnel syndrome, 213
 Cartilage
 calcification of
 calcium crystals and, 36, 39-40
 in elderly people, 36
 compressibility of, osteoarthritis development and, 118
 cytokine effects on, 169
 degradation of, 117
 irreversible resorption of, 203
 Cathepsins, 117

CD4⁺ T cells, 137
 CD8⁺ T cells
 in polymyositis, 103
 in psoriatic arthritis, 145
 Cefotaxime, 100t
 Ceftriaxone, 100t-101t
 Cefuroxime axetil, 100t
 Celecoxib, 133
 Cephalosporins, 204t
 Cervical spine
 in osteoarthritis, 122
 in rheumatoid arthritis, 173-174
 Cervicitis, 15t
 Chemotherapy, 58t
 Child
 arthritis in. See *Juvenile chronic arthritis*.
 battered, 78t
 educational programs for, 272
 growing pains in, 79
 myositis in, 105-106
 Osgood-Schlatter disease in, 226
 septic arthritis in, 205t, 206
 Chloroquine, 114t
 Chondrolysis, 79t
 Chondromalacia, of patella, 79, 79t
 Chronic fatigue syndrome, 268
 Churg-Strauss vasculitis, 259, 260t, 261
 Cimetidine, 114t
 Ciprofloxacin, 204t-205t
 Circinate balanitis, 163, 164
 Clarithromycin, 100t
 CliniWeb, 272
 Clofibrate, 114t
 Clostridial infection, 115t
 Codeine, 133
 Colchicine
 for calcium crystal disorder prevention and treatment, 43
 for gout, 55, 66, 70
 muscle weakness from, 114t
 for psoriatic arthritis, 157
 side effects of, 66, 114t
 Colitis, ulcerative, 14t. See also *Inflammatory bowel disease (IBD)*.
 Collagen gene, 118
 Collagenase, 117
 Colonic resection, 34
 Complement proteins C2 and C4, 231-232
 Compression fractures
 imaging of, 89
 in osteoporosis, 88
 Compressive symptoms, in lower back, 87
 Connective tissues, inherited abnormalities of, 79
 Coronary arteritis, 240

Corticosteroids
 for calcium crystal disorders, 43
 for giant cell arteritis, 143-144
 for gout, 67
 for IBD-associated arthritis, 34
 for juvenile chronic arthritis, 80, 82
 muscle weakness from, 114t
 for myositis, 111
 for Reiter's syndrome, 167
 for rheumatoid arthritis, 181
 for scleroderma, 200
 side effects of, 114t, 143
 for SLE, 247
 Cortisol level, fibromyalgia and, 48
 Coxsackievirus infection, 115t
 Crohn's disease, 14t. See also *Inflammatory bowel disease (IBD)*.
 Cryoglobulinemia, 263-264
 Crystal disorders, 43-44, 97-98, 165. See also *Calcium crystal disorders*.
 Cyclobenzaprine, 53
 Cyclo-oxygenase inhibition, 130, 133, 180-181
 Cyclophosphamide
 for myositis, 111
 for polyarteritis nodosa, 255
 side effects of, 253
 for Takayasu's arteritis, 253
 for Wegener's granulomatosis, 259
 Cyclosporin A
 for juvenile chronic arthritis, 83
 for myositis, 111
 for psoriatic arthritis, 157
 for rheumatoid arthritis, 187
 uric acid and, 58t
 Cytokines. See also *Interleukins*; *Tumor necrosis factor- α* .
 in osteoarthritis, 117
 de Quervain's tenosynovitis, 211, 212, 213, 214
 Degenerative arthritis, 37
 Dehydration, uric acid and, 58t
 Depression
 amitriptyline for, 53. See also *Tricyclic antidepressants*.
 fibromyalgia and, 47-48
 Dermatomyositis, 105, 106-107. See also *Psoriasis*; *Psoriatic arthritis*.
 diagnosis of, 110, 112t-113t
 differential diagnosis of, 78t, 105
 Diabetes mellitus, osteoarthritis and, 118
 Diabetic mellitus, neuropathy in, 114t
 Diarrhea, 15t
 Diethyltoluamide, 98
 Digital clubbing, 32
 Discoid lupus erythematosus, 234t, 238, 238
 resources for, 273
 Distal involvement, in psoriatic arthritis, 146, 150, 152, 156
 Diuretics, 58t
 Doxycycline, 100t-101t
 Duchenne's syndrome, 114t

Ears, tophi in, 62

Echovirus infection, 115t

Ecotrin (aspirin), 81t. See also *Nonsteroidal anti-inflammatory drugs (NSAIDs)*.

Elbow
 in rheumatoid arthritis, 171, 172t
 in soft tissue rheumatism, 215, 216

Elderly people
 cartilage calcification in, 36
 NSAID side effects in, 132
 septic arthritis in, 209

Enbrel (etanercept), 82, 183-184

Endocarditis, 240

Endocrine abnormalities, 114t

Enterobacteriaceae, 204t-205t

Enthesopathy
 of Achilles tendon, 25, 167
 in ankylosing spondylitis, 19, 21
 in IBD-associated arthritis, 32
 in Reiter's syndrome, 163
 in spondyloarthropathy criteria, 15t

Epicondylitis, 215, 216

Epidural abscess, 88

Erythema migrans, 94-95, 100t

Erythema nodosum, 32

Esophageal dysfunction, 195-196

Etanercept (Enbrel), 82, 183-184

European Spondylarthropathy Study Group criteria, for seronegative spondyloarthropathies, 14t-15t

Exercise
 for ankylosing spondylitis, 26
 for fibromyalgia, 53
 for juvenile chronic arthritis, 79
 for low back pain, 90, 91
 muscle strengthening, 125, 127-128
 for rheumatoid arthritis, 178
 for scleroderma, 199
 stretching, 26, 79, 90
 for supraspinatus tendinitis, 219

Eye problems, 19, 174-175

Facial nerve paralysis, 95-96, 100t

Family history. See also *Genetic factors*.
 in spondyloarthropathy criteria, 14t

Fasciitis, plantar, 229

Fascioscapulothoracic muscular dystrophy, 114t

Fasting, 58t

Fc receptor genes, 232

Felty's syndrome, 175

Femoral epiphyses, capital, slipped, 78t, 79

Fibromyalgia
 age and, 48-49
 classification of, 51t
 clinical presentation of, 49
 diagnosis of, 50-51, 51t, 52

Fibromyalgia (*continued*)
 differential diagnosis of, 246
 gender and, 48
 laboratory tests and radiographs in, 50
 management of, 52-54
 medical history and, 49
 occurrence of, 48
 pathogenesis of, 47-48
 resources for, 271, 275, 277
 risk factors for, 47-48
 trigger points of, 50, 52
Fibromyalgia Wellness Letter, 271

Fingers
 deformities of, 173
 sausage appearance of, 58t
 tophi in, 62

Finkelstein test, 211

Flexion contracture, 171

Flexor hallucis longus, tendinitis of, 228

Foot
 anatomy of, 229
 interdigital nerve compression in, 230
 Morton's neuroma in, 230
 in rheumatoid arthritis, 172t, 174
 soft tissue rheumatism in, 228-229, 229

Frozen shoulder, 221

Gastric cancer, 107

Gastrointestinal disorders, 195-197

Gelatinase, 117

Gender
 ankylosing spondylitis and, 16
 calcium crystal disorders and, 36
 fibromyalgia and, 48
 giant cell arteritis and, 138
 gout and, 59-60, 63
 IBD-associated arthritis and, 30
 juvenile chronic arthritis and, 74-75
 myositis and, 104
 osteoarthritis and, 119
 polyarteritis nodosa and, 254
 polymyalgia rheumatica and, 138
 psoriatic arthritis and, 146
 rheumatoid arthritis and, 170
 septic arthritis and, 206
 SLE and, 232-233
 uric acid pool and, 57

Genetic factors. See also *Human leukocyte antigen (HLA)* entries.
 in ankylosing spondylitis, 16
 in calcium crystal disorders, 36-37
 in juvenile chronic arthritis, 73, 79t
 in osteoarthritis, 118-119
 in rheumatoid arthritis, 169-170
 in SLE, 231-232

Giant cell arteritis
 age and, 137-138
 clinical presentation of, 139
 complications of, 139
 diagnosis of, 141, 142t
 gender and, 138
 laboratory tests in, 140
 management of, 143-144
 occurrence of, 138-139
 pathogenesis of, 137-138
 race/ethnicity and, 137-138
 Glenohumeral joint pain, 217
 Gold
 for juvenile chronic arthritis, 83
 for psoriatic arthritis, 157
 for rheumatoid arthritis, 185-186
 side effects of, 82, 185
 Golfer's elbow, 215, 216
 Gonococcal arthritis, 206, 207. See also *Septic arthritis*.
 Gottron's papules, 105, 106
 Gout
 acute attacks of, 66-67
 age and, 59-60
 alcohol intake and, 59-60, 67
 attack progression in, 61-62
 clinical presentation of, 60-62
 diagnosis of, 63, 65
 differential diagnosis of, 40, 65t
 gender and, 59-60, 63
 historic occurrence of, 55
 joints involved in, 60-61
 laboratory tests in, 62, 63
 management of
 allopurinol in, 69-70
 colchicine in, 55, 66, 70
 corticosteroids in, 67
 NSAIDs in, 66, 70
 strategies in, 65
 uric acid lowering in, 67-70, 69t
 monosodium urate crystals in, 35
 occurrence of, 36, 59-60
 olecranon bursitis in, 215
 onset of, xi, 59-60
 pathogenesis of, 55, 56, 57, 58t, 59
 precipitating factors in, 60
 prevention of, 70
 radiographs in, 63, 64
 Granulomatosis, Wegener's. See *Wegener's granulomatosis*.
 Growing pains, 79
 Growth plate, premature fusion of, 77, 83
 Guillain-Barré syndrome, 98, 114t
 Gut inflammation. See *Inflammatory bowel disease (IBD)*.
 H₂ blockers, 200
Haemophilus influenzae, 204t, 206

Hamstring reflex, 87
 Hand
 extensor tendons in, 214
 gout and, 64
 osteoarthritis of, criteria for, 126t
 in rheumatoid arthritis, surgery for, 189
 in scleroderma, 193-195
 soft tissue rheumatism in, 211, 212, 213-215, 214
 HealthWorld Online, 272
 Heberden's nodes, 120, 121
 Heel walking tests, 87
 Hematologic disorders, 235t, 244-245
 Hematologic malignancy, 58t
 Hemochromatosis, 39, 42-43
 Hemolysis, 58t
 Henoch-Schönlein purpura, 78t, 261, 263
 Hepatosplenomegaly, 75
 Hip
 drainage of, in septic arthritis, 203, 206
 ischial bursitis in, 226
 osteoarthritis of
 criteria for, 126t
 management of, 130t, 135
 mechanical abnormalities and, 118
 radiograph of, 124
 pain referred to knee from, 225
 in rheumatoid arthritis, 171, 174
 soft tissue rheumatism in, 225, 225-226
 total replacement of
 in osteoarthritis, 135
 in rheumatoid arthritis, 189
 toxic synovitis of, 78t
 HLA. See *Human leukocyte antigen (HLA)* entries.
 Human immunodeficiency virus (HIV) infection
 differential diagnosis of, 77
 psoriatic arthritis in, 145
 Reiter's syndrome and, 160
 Human leukocyte antigen (HLA)-B27
 in ankylosing spondylitis, 22, 26
 in IBD-associated arthritis, 30-31
 in psoriatic arthritis, 145
 in Reiter's syndrome, 159
 in spondyloarthropathy pathogenesis, 13, 16
 Human leukocyte antigen (HLA)-DQB1*, in scleroderma, 191
 Human leukocyte antigen (HLA)-DR3
 in myositis, 103
 in SLE, 231
 Human leukocyte antigen (HLA)-DR4
 in giant cell arteritis, 137
 in Lyme disease, 95
 in rheumatoid arthritis, 169
 in SLE, 231
 Human leukocyte antigen (HLA)-DR4, DR8, and DR5, in juvenile
 chronic arthritis, 73

- Humeral head, avascular necrosis of, 217
- Hyaluronic acid, intra-articular, 134
- Hydroxyapatite crystal disorders, 43
- Hydroxychloroquine
for juvenile chronic arthritis, 83
for rheumatoid arthritis, 184
for SLE, 247
- Hypercalcemia
calcium crystal disorders and, 42
cancer-related, 115t
- Hypercortisolism
differential diagnosis of, 114t
iatrogenic, 143
- Hyperparathyroidism
calcium crystal disorders and, 39, 42
differential diagnosis of, 114t
- Hyperpyrexia, 114t
- Hypertension, pulmonary. See *Pulmonary hypertension*.
- Hyperuricemia. See also *Uric acid*.
conditions predisposing to, 59
pathogenesis of, 59
renal dysfunction and, 58t, 59, 65
- Hypokalemia, 114t
- Hypomagnesemia, 42
- Hypophosphatasia, 42
- Hypothyroidism, 42
- Hypoxanthine, 55, 56, 57
- IBD. See *Inflammatory bowel disease (IBD)*.
- Ibuprofen (Motrin). See also *Nonsteroidal anti-inflammatory drugs (NSAIDs)*.
for gout, 66
for juvenile chronic arthritis, 81t
for osteoarthritis, 1390t
- Immunoglobulin G, 83
- Immunologic disorders, 235t
- Inborn errors of metabolism, 79t
- Indomethacin, for gout, 66
- Infant, septic arthritis in, 204t, 206
- Infections. See also *Septic arthritis*.
back pain and, 88
muscle weakness from, 115t
Reiter's syndrome and, 159-161, 167-168
- Infectious arthritis, differential diagnosis of, 77, 78t, 97
- Inflammation of joint, osteoarthritis and, 118
- Inflammatory bowel disease (IBD)
in ankylosing spondylitis, 16
arthritis associated with
clinical presentation of, 30, 32
diagnosis of, 33, 33t
differential diagnosis of, 33
joints involved in, 31
laboratory tests in, 32
management of, 34
occurrence of, 29-30
- Inflammatory bowel disease (IBD), arthritis associated with (*continued*)
pathogenesis of, 29
radiographs in, 32
differential diagnosis of, 78t
in spondyloarthropathy criteria, 14t
- Inflammatory cytokines, monosodium urate crystal stimulation of, 59
- Inflammatory disorders, symptoms of, xi
- Inflammatory molecules, crystal activation of, 36
- Inflammatory muscle disease. See *Myositis*.
- Inflammatory spinal pain, 14t
- Interdigital nerve compression, 230
- Interleukins
in osteoarthritis, 117
in rheumatoid arthritis, 169, 188
- Interphalangeal joints
in osteoarthritis, 120, 121
in rheumatoid arthritis, 172t
- Ipecac, 114t
- Ischial bursitis, 226
- Ixodes* tick. See *Lyme disease*.
- Jejunum-ileal bypass, 33
- Jo-1 antibodies, 108
- Joint, inflammation and sensation of, 118
- Joint lavage, 134
- Joint loading, 125
- Juvenile chronic arthritis
age and, 74
clinical presentation of, 74, 76
definition of, 73
diagnosis of, 77, 78t-79t, 79
differential diagnosis of, 78t-79t
gender and, 74-75
genetic factors in, 73, 79t
laboratory tests in, 76-77
management of
nonpharmacological, 79-80
pharmacologic, 80, 81t, 82-83
surgical, 83
team approach to, 79-80
occurrence of, 73-74
onset of, 74-75, 76
pathogenesis of, 73
pauciarticular, 74
polyarticular, 74-75
radiographs in, 77
rash in, 75, 76
resource for, 269
systemic, 75, 76
- Kallikrein system, monosodium urate crystals and, 59
- Kawasaki's disease, 261, 262t
- Ketoacidosis, 58t
- Kids on the Block, Inc., 272
- Kingella kingae*, 206

Knee

- anserine bursitis in, 227
- Baker's cyst in, 228
- cartilage calcification in, 30
- hip pain referred to, 225
- mechanical derangement of, 226, 227
- Osgood-Schlatter disease and, 226
- osteoarthritis of
 - anterior cruciate resection and, 118
 - criteria for, 126t-127t
 - joint lavage for, 134
 - management of, 128, 131t, 135
 - pain location in, 122
 - radiograph of, 124
- patellofemoral joint arthritis in, 226
- in rheumatoid arthritis, 171, 172t, 174
- soft tissue rheumatism in, 226-228, 227
- total replacement of
 - in osteoarthritis, 135
 - in rheumatoid arthritis, 189
- Lactic acidosis, 58t
- Lead intoxication, 58t
- Legg-Calvé-Perthes disease, 79t
- Legs
 - length discrepancy of, 83
 - ulcers of, 175, 176
- Leucovorin, 111
- Leukemia, 78t, 79
- Leukopenia, 235t, 244
- Leukotrienes, 36
- Libman-Sacks endocarditis, 240
- Limb-girdle muscular dystrophy, 114t
- Lovastatin, 114t
- Low back pain
 - age and, 86t
 - clinical presentation of, 86-88
 - diagnosis of, 89-90
 - epidural abscess and, 88
 - laboratory tests and radiographs in, 88-89
 - management of
 - exercises in, 90, 91
 - pharmacological, 90
 - surgical, 92
 - nerve-root entrapment in, 87
 - nocturnal, 88
 - occurrence of, 85-85
 - pathogenesis of, 85
 - risk factors for, 86t
 - spinal stenosis and, 87-88
 - straight leg test in, 87
 - symptom exacerbation in, 87
 - vertebral column osteomyelitis in, 88
- Lower extremity, in gout, 61

- Lumbar spine. See also *Low back pain*.
 - degeneration of, 85-86
 - osteoarthritis of, 122

Lungs

- in ankylosing spondylitis, 19
- in rheumatoid arthritis, 175
- Lupus. See *Discoid lupus erythematosus*; *Subacute lupus erythematosus*; *Systemic lupus erythematosus (SLE)*.
- Lupus Canada, 273
- Lupus Foundation of America, Inc., 273
- Lyme disease
 - arthritis related to, 95
 - asymptomatic/undetected, 94
 - cardiac involvement in, 96
 - causes of, 100t-101t
 - clinical features of, 94-96, 100t-101t
 - diagnosis of, 97-98, 100t-101t
 - differential diagnosis of, 77
 - historic recognition of, 93
 - laboratory tests in, 96-97
 - management of, 98-99, 100t-101t
 - neurological involvement in, 95-96
 - occurrence of, 94
 - pathogenesis of, 93-94
 - in pregnancy, 101t
 - radiographs of, 97
 - resources for, 269-270, 273
- Lyme Disease Network, 273
- Lymph nodes, mucocutaneous, 261
- Lymphadenopathy, 75
- Malar rash, 233, 234t, 237, 238, 246
- Malignancy, in myositis, 107-108
- Managed care, technological reliance in, x
- Mayo Health Oasis, 273
- Median nerve compression, 213-214
- Meningitis, 99, 100t
- Menopause, 48
- 6-Mercaptopurine, 157
- Merck Manual*, 274
- Metabolic disorders, differential diagnosis of, 114t
- Metabolism, inborn errors of, 79t
- Metacarpophalangeal joints, in rheumatoid arthritis, 172t
- Metacarpophalangeal ulnar drift, 239
- Metalloproteases, 117
- Metatarsophalangeal joints
 - gout onset in, 60-61
 - in rheumatoid arthritis, 172t
- Methodrexate
 - for ankylosing spondylitis, 27
 - for giant cell arteritis, 143
 - for myositis, 111
 - for psoriatic arthritis, 157
 - for Reiter's syndrome, 167
 - for rheumatoid arthritis, 182-184, 187

Methotrexate (*continued*)
 side effects of, 157, 253
 for SLE, 248
 for Takayasu's arteritis, 253
 Milwaukee shoulder, 44
 Misoprostol, 131t, 132
 Missouri thumb, 44
 Mixed connective tissue disease, 78t
 Monoamine oxidase inhibitors, 133
 Monosodium urate crystals
 characteristics of, 39, 40, 63, 65
 gout and, 35, 55, 59, 61
 Morton's neuroma, 230
 Motrin. *See* *Ibuprofen (Motrin)*.
 Mucocutaneous lymph node syndrome, 78t, 261, 262t
 Multiple sclerosis, 98
 Multipurpose Arthritis and Musculoskeletal Diseases Centers, 274
 Muscle strengthening exercises, 125, 127-128
 Muscle weakness, 114t-115t. *See also* *Myositis*.
 Muscular dystrophies, 114t
 Myasthenia gravis, 114t
 Myocarditis, 240
 Myositis, 58t
 age and, 104
 classification of, 103, 105
 clinical presentation of, 104-108, 106-107
 diagnosis of, 110, 112t-113t
 differential diagnosis of, 105-106, 114t-115t
 gender and, 104
 Gottron's papules in, 105, 106
 juvenile, 105-106
 laboratory tests in, 108-110, 109
 malignancy in, 107-108
 management of, 111
 occurrence of, 104
 organ system involvement in, 105
 pathogenesis of, 103-104
 pulmonary interstitial fibrosis in, 105
 race/ethnicity and, 104
 radiographs in, 109
 resource for, 274
 Myositis Association of America (MAA), 274
 Myositis overlap syndrome, 106-107
 Nails, in psoriatic arthritis, 153-154, 154
 Naproxen (Naprosyn), 81t. *See also* *Nonsteroidal anti-inflammatory drugs (NSAIDs)*.
 Narcotics, 133-134
 National Fibromyalgia Research, 275
 National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), 275
 National Psoriasis Foundation (NPF), 275
Neisseria gonorrhoeae, 206, 207
 Nematodal infection, 115t
 Neoplastic diseases, 78t

Nerve-root entrapment, 87, 92
 Neurologic disorders
 in diabetes, 114t
 differential diagnosis of, 114t
 in Lyme disease, 95-96, 101t
 in SLE, 235t
 Neutropenia, 175
 Neutrophils, monosodium urate crystal stimulation of, 59
 Nicotinic acid, 58t
 Nodes
 Bouchard's, 120, 121
 Heberden's, 120, 121
 Nodules, rheumatoid, 174, 178t
 No-name bursa, 227
 Nonsteroidal anti-inflammatory drugs (NSAIDs)
 for ankylosing spondylitis, 26-27
 for calcium crystal disorder prevention and treatment, 43
 contraindications to, 67
 for fibromyalgia, 54
 for gout, 66, 70
 for IBD-associated arthritis, 34
 for juvenile chronic arthritis, 80, 81t
 for osteoarthritis, 129-130, 130t-131t, 132-133, 135
 pharmacokinetics of, 66
 for psoriatic arthritis, 157
 for Reiter's syndrome, 166-167
 for rheumatoid arthritis, 179-181
 for scleroderma, 200
 side effects of, 54, 66, 132, 179
 for SLE, 247
 for supraspinatus tendinitis, 219
 for tenosynovitis, 213
 uric acid and, 58t
 Obesity, 67
 Occupational therapy resource, 270
 Ochronosis
 calcium crystal disorders and, 42
 osteoarthritis and, 118
 Ocular disorders, 19, 174-175
 Oculopharyngeal muscular dystrophy, 114t
 Olecranon bursa, tophi in, 62
 Olecranon bursitis, xi, 215
 Oligoarthritic psoriasis, 146, 147
 Oligoarthritis, in children, 83
 Osgood-Schlatter disease, 226
 Osteoarthritis
 age and, 119
 clinical features of, 119-120, 121, 122
 diagnosis of, 123, 126t-127t
 differential diagnosis of, 39, 40, 65, 123
 gender and, 119
 genetic factors in, 118-119
 of hand, 126t

Osteoarthritis (*continued*)

- of hip
 - criteria for, 126t
 - radiograph of, 124
 - therapy for, 130t
- of knee
 - anterior cruciate resection and, 118
 - criteria for, 126t-127t
 - pain location in, 122
 - radiograph of, 124
 - therapy for, 128, 131t
- laboratory tests in, 122
- management of
 - acetaminophen in, 128-129, 130t-131t
 - goals in, 123, 125
 - intra-articular, 134
 - joint lavage in, 134
 - limiting joint loading in, 125
 - muscle strengthening in, 125, 127-128
 - narcotics in, 133-134
 - NSAIDs in, 129-130, 130t-131t, 132-133, 135
 - pharmacological, 128-130, 130t-131t, 132-134
 - surgical, 130t-131t, 135
 - topical therapies in, 128
- occurrence of, 119
- pathogenesis of, 117-119
- primary, sites of, 120, 122
- race/ethnicity and, 119
- radiographs in, 122-123, 124
- referred pain from, 122
- risk factors for, 118-119
- secondary, sites of, 122
- terminology in, 117
- trauma and, 118
- vocational effect on, 119

Osteochondritis, 78t

Osteomyelitis, 88

Osteoporosis, 88

Ovarian cancer, in myositis, 107-108

Pain

- congenital indifference to, 79t
- in lower back. *See Low back pain.*

Pancoast tumor, 217

Patella

- chondromalacia of, 79t
- malalignment of, 226

Patellofemoral joint arthritis, 226

Pauciartthritis, 74

Pelvis

- bursal pain around, 225, 225
- cartilage calcification in, 30
- sacroiliac joint pseudo-widening in, 23

Penicillamine

- for juvenile chronic arthritis, 83
- muscle weakness from, 114t
- for rheumatoid arthritis, 184, 186-187
- for scleroderma, 199
- side effects of, 186-187

Penicillinase-resistant synthetic penicillin, 204t

Peptic ulcer disease, 132

Pericardial effusions, 197

Pericarditis, 75

Phalen's maneuver, 213

Phosphoribosyl-pyrophosphate synthetase, 55, 56

Physical medicine resource, 267

Piperacillin/tazobactam, 204t

Plantar fasciitis, 229

Polyarteritis, 78t

Polyarteritis nodosa

- age and, 254
- diagnosis of, 254, 256t-257t
- gender and, 254
- management of, 255
- renal artery involvement in, 254

Polyarthritis

- in children, 74-75, 83
- symmetrical
 - psoriatic, 146, 149, 152
 - rheumatic. *See Rheumatoid arthritis.*

Polymyalgia rheumatica

- age and, 137-138
- clinical presentation of, 139
- diagnosis of, 140-141
- differential diagnosis of, 140-141
- gender and, 138
- laboratory tests in, 140
- management of, 141, 143-144
- occurrence of, 138-139
- pathogenesis of, 137-138
- race/ethnicity and, 137-138
- temporal artery biopsy in, 141

Polymyositis

- CD8⁺T cells in, 103
- diagnosis of, 112t-113t
- differential diagnosis of, 78t, 105
- muscle biopsy findings in, 109, 109-110

Popeye sign, 219

Posture

- low back pain and, 90
- shoulder pain and, 217

Prednisone. *See also Corticosteroids.*

- for giant cell arteritis, 143
- for myositis, 111
- for polymyalgia rheumatica, 141
- for Wegener's granulomatosis, 259

Pregnancy, Lyme disease in, 101t

Probenecid, 68, 69t
 Propoxyphene, 133-134
 Protease inhibitors, 188
 Proton pump inhibitors
 for osteoarthritis, 132
 for scleroderma, 200
 Protozoal infection, 115t
 Pseudogout
 clinical presentation of, 37, 39
 differential diagnosis of, 39, 65
 joints involved in, 37, 38
 origin of name, 35
Pseudomonas species, 205t
 Pseudo-osteoarthritis, 37, 38, 39
 Pseudo-rheumatoid arthritis, 39
 Pseudo-widening of sacroiliac joints, 23
 Psoriasis, 58t, 77
 resource for, 275
 in spondyloarthropathy criteria, 14t
 Psoriatic arthritis, 78t
 axial involvement in, 146, 148, 152, 154
 clinical presentation of, 146, 147-154, 152-154
 diagnosis of, 154-155
 distal involvement in, 146, 150, 152, 156
 gender and, 146
 historic recognition of, 145
 laboratory tests in, 155
 management of, 155, 157
 mutilans, 146, 151-152, 152
 nail involvement in, 153-154, 154
 occurrence of, 145-146
 oligoarthritic, 146, 147
 pathogenesis of, 145
 race/ethnicity and, 146
 radiographs in, 155
 symmetrical polyarthritic, 146, 149, 152
 typical skin changes in, 152-153, 153
 Psychosis, 241
 Pulmonary disorders
 in ankylosing spondylitis, 19
 in rheumatoid arthritis, 175
 in scleroderma, 195
 Pulmonary effusions, 240
 Pulmonary hypertension
 in juvenile chronic arthritis, 75
 in rheumatoid arthritis, 175
 Pulmonary interstitial fibrosis, 105
 Purine, dietary, gout and, 57, 67
 Pyrazinamide, 58t
 Race/ethnicity
 ankylosing spondylitis and, 26
 giant cell arteritis and, 137-138
 IBD and, 29-30
 myositis and, 104

Race/ethnicity (*continued*)
 osteoarthritis and, 119
 polymyalgia rheumatica and, 137-138
 psoriatic arthritis and, 146
 rheumatoid arthritis and, 170
 SLE and, 232-233
 spondyloarthropathies and, 16
 Takayasu's arteritis and, 251
 Wegener's granulomatosis and, 255
 Rash
 in juvenile chronic arthritis, 75, 76
 in Lyme disease, 94-95
 in myositis, 105, 106-107
 Raynaud's phenomenon
 in scleroderma, 194, 200
 in thromboangiitis obliterans, 264
 Reactive arthritis, 33. See also *Reiter's syndrome*.
 Reflex sympathetic dystrophy syndrome, 221-222
 Reiter's syndrome
 age and, 161
 axial involvement in, 166
 classification of, 159
 clinical presentation of, 161, 162, 163-165, 164-165, 167
 diagnosis of, 165-166
 differential diagnosis of, 40, 78t, 97-98
 historic descriptions of, 159
 HIV infection and, 160
 infections and, 159-161, 167-168
 joints involved in, 162, 163
 laboratory tests in, 166
 management of, 166-168
 occurrence of, 160-161
 onset of, xi
 pathogenesis of, 159-160
 radiographs in, 166
 skin and nail changes in, 163-164, 165
 Reloxicab, 133
 Renal dysfunction
 corticosteroids and, 67
 hyperuricemia and, 58t, 59, 65
 NSAID-related, 132-133
 in polyarteritis nodosa, 254
 in scleroderma, 197
 in SLE, 235t, 241, 242t, 248
 Resources, 267-277
 Rheumatic fever, 78t
 Rheumatism, of soft tissue. See *Soft tissue rheumatism*.
 Rheumatoid arthritis
 age and, 170
 clinical presentation of
 deformities in, 171, 173
 dermatologic, 175, 176, 189
 extra-articular, 174-175, 176
 eyes in, 174

Rheumatoid arthritis (*continued*)

- joints in, 171, 172t, 173-174
- onset symptoms in, 170
- rheumatoid nodules in, 174, 178t
- rotator cuff resorption in, 189
- diagnosis of, 178, 178t
- differential diagnosis of, 140-141
- Felty's syndrome and, 175
- gender and, 170
- interleukins and, 169, 188
- laboratory tests in, 167
- management of, 178
 - anticytokines in, 183-184
 - azathioprine in, 187
 - corticosteroids in, 181
 - cyclo-oxygenase inhibition in, 133, 180-181
 - cyclosporin A in, 187
 - drug combinations in, 187
 - exercise in, 178
 - experimental, 188
 - gold salts in, 185-186
 - hydroxychloroquine in, 184
 - methotrexate in, 182-184, 187
 - NSAIDs in, 179-181
 - penicillamine in, 184, 186-187
 - pharmacologic, 179-189
 - protease inhibitors in, 188
 - SAARDs in, 181-183
 - sulfasalazine in, 184-185
 - surgical, 188-189
 - thalidomide in, 187
- myositis with, 106
- occurrence of, 73, 170
- olecranon bursitis in, 215
- onset of, xi, 170
- osteoarthritis development and, 118
- pathogenesis of, 169-170
- race/ethnicity and, 170
- radiographs in, 177
- TNF- α and, 169, 183, 188
- Rheumatoid factor, 176-177, 178t
 - in osteoarthritis, 123
- Rheumatoid nodules, 174, 178t
- Rheumatoid spondylitis. *See Ankylosing spondylitis.*
- Rifampin, 204t-205t
- Rotator cuff resorption, 189
- SAARDs. *See Antirheumatic drugs, slow-acting (SAARDs).*
- Sacroiliitis
 - in ankylosing spondylitis, 17, 20, 22, 23
 - in spondyloarthropathy criteria, 15t
- Salicylates, 58t
- Sausage digit, 163

Scleroderma

- classification of, 191
- clinical presentation of
 - cardiac, 197
 - gastrointestinal, 195-197
 - musculoskeletal, 197
 - pulmonary, 195
 - Raynaud's phenomenon in, 194
 - renal, 197
 - skin changes in, 192-194, 193-196
- complications of, 200
- death from, 197, 200
- diagnosis of, 198, 199t
- differential diagnosis of, 78t, 198
- laboratory tests in, 197-198
- management of, 199-200
- myositis with, 106
- occurrence of, 192
- pathogenesis of, 191-192
 - environmental factors in, 192
 - silicone breast implants and, 192
- radiographs in, 198
- resource for, 276

Scleroderma Foundation, 276

Scleroderma-like syndrome, 192

Seborrhea, 246

Seizures, 241

Selective serotonin uptake inhibitors, 133

Septic arthritis

- age and, 206, 209
- in children, 205t, 206
- clinical presentation of, 203
- complications of, 203
- death from, 203
- differential diagnosis of, 40, 65
- disease progression in, 206-207
- disseminated, 207
- gender and, 206
- joint drainage in, 203, 206
- laboratory tests in, 203, 206
- management of, 203, 204t-205t
- organisms causing, 205t-206t, 206, 208-209
- osteoarthritis development and, 118
- pathogenesis of, 203, 204t-205t
- risk factors for, 209

Serositis, 234t, 239-240

Serotonin reuptake inhibitors, 53-54

Serum sickness, 78t

Shoulder

- adhesive capsulitis in, 219-221
- bicipital tendinitis in, 219-220, 220
- cartilage calcification in, 30
- frozen, 221
- Milwaukee, 44

- Shoulder (*continued*)
 pain referred to, 217
 reflex sympathetic dystrophy syndrome in, 221-222
 in rheumatoid arthritis, 173
 soft tissue rheumatism in, 217-224, 218, 220, 223
 supraspinatus tendinitis in, 217-219, 218
 thoracic outlet syndrome in, 222-224, 223
- Shoulder-hand syndrome (reflex sympathetic dystrophy syndrome), 221-222
- Sickle cell disease
 differential diagnosis of, 79
 humeral head necrosis and, 217
- Silicone breast implants, scleroderma and, 192
- Sjögren's syndrome, 78t
- Skin diseases. See also *Dermatomyositis*; *Psoriasis*; *Psoriatic arthritis*;
Scleroderma.
 resource for, 275
- Skin ulcers, in rheumatoid arthritis, 175, 176, 189
- SLE. See *Systemic lupus erythematosus (SLE)*.
- Sleep disorders
 aerobic exercise for, 53
 amitriptyline for, 53
 fibromyalgia and, 47, 51
- Small bowel, fibrosis of, in scleroderma, 195-196
- Soft tissue rheumatism, xi
 in ankle and foot, 228-229, 229
 in elbow, 215, 216
 in hand, 211, 212, 213-215, 214
 in hip, 225, 225-226
 in knee, 226-228, 227
 pathogenesis of, 211
 in shoulder, 217-224, 218, 220, 223
- Speed's test, 219
- Spinal cord
 compression of, 22
 stenosis of, 22
- Spinal pain, inflammatory, in spondyloarthropathy criteria, 14t
- Spinal stenosis, causes of, 87-88
- Spine, muscle spasm near, 86
- Splinting, for juvenile chronic arthritis, 79
- Spondylitis Association of America (SAA), 276
- Spondyloarthropathies. See also *Ankylosing spondylitis*; *Inflammatory bowel disease (IBD)*, *arthritis associated with*; *Psoriatic arthritis*;
Reiter's syndrome.
 characteristics of, 13
 gender and, 16
 HLA-B27 in, 13
 occurrence of, 16
 pathogenesis of, 16
 race/ethnicity and, 16
 seronegative
 criteria for, 14t-15t
 differential diagnosis of, 40, 77, 140-141, 198
- Spondylolisthesis, 86
- Staphylococcal infection, 115t
 septic arthritis from, 204t-205t, 206, 208
- Sternoclavicular joint, 217
- Steroids. See also *Corticosteroids*.
 for olecranon bursitis, 215
 systemic, for ankylosing spondylitis, 26
 topical, for psoriatic arthritis, 155, 157
- Straight leg test, 87
- Streptococcal infection, 204t, 206, 208-209
- Stress fractures, 65
- Stretching exercises
 for ankylosing spondylitis, 26
 for juvenile chronic arthritis, 79
 for low back pain, 90
- Stromelysin, 117
- Subacute cutaneous lupus erythematosus, 239
- Subchondral bone stiffness, osteoarthritis and, 119
- Substance P
 fibromyalgia and, 48
 in osteoarthritis management, 128
- Sudeck's dystrophy (reflex sympathetic dystrophy syndrome), 221-222
- Sulfasalazine
 for ankylosing spondylitis, 26-27
 for IBD-associated arthritis, 34
 for juvenile chronic arthritis, 83
 for psoriatic arthritis, 157
 for Reiter's syndrome, 167
 for rheumatoid arthritis, 184-185
 side effects of, 185
- Sulfapyrazone, 68, 69t
- Suprascapular nerve entrapment, 217
- Supraspinatus tendinitis, 217-219, 218
- Swan neck deformity, 239
- Symmetrical polyarthritis
 psoriatic, 146, 149, 152
 rheumatic. See *Rheumatoid arthritis*.
- Syndesmophytes, 22
- Synovectomy, in Lyme disease, 99
- Synovial fluid, crystals in, 35, 39-40, 40
- Synovitis
 in scleroderma, 197
 in spondyloarthropathy criteria, 14t
 toxic, of hip, 78t
- Syphilis, 96
- Syringomyelia, 118
- Systemic lupus erythematosus (SLE). See also *Discoid lupus erythematosus*.
 clinical presentation of, 231, 234t-236t
 arthritis in, 234t, 239
 butterfly (malar) rash in, 233, 234t, 237, 238, 246
 cardiac, 240, 248
 hematologic, 235t
 immunologic, 236t
 neurologic, 235t

- Systemic lupus erythematosus (SLE), clinical presentation of (*continued*)
- nonspecific lesions in, 239
 - oral, nasal, and vaginal mucosal ulcers in, 234t, 239, 240
 - photosensitivity in, 234t, 239
 - psychosis and seizures in, 241
 - pulmonary effusions in, 240
 - renal, 235t, 241, 242t, 248
 - serositis in, 234t, 239-240
 - death from, 241, 248
 - deformities in, 239
 - diagnosis of, 245-246
 - differential diagnosis of, 78t, 123, 246
 - Fc receptor genes and, 232
 - gender and, 232-233
 - genetic factors in, 231-232
 - laboratory tests in, 236t, 241, 243-245
 - management of, 246-248
 - myositis with, 106
 - occurrence of, 232-233
 - pathogenesis of, 231-232
 - race/ethnicity and, 232-233
 - radiographs in, 245
 - resources for, 273, 276
 - TNF- α and, 232
 - undiagnosed, 233
- Systemic Lupus Erythematosus (SLE) Foundation, Inc., 276
- Systemic sclerosis. See *Scleroderma*.
- Takayasu's arteritis
- age and, 252t
 - diagnosis of, 251, 252t
 - laboratory tests in, 253
 - management of, 253-254
 - race/ethnicity and, 251
- Tarsal tunnel syndrome, 230
- Temporal arteritis. See *Giant cell arteritis*.
- Tendinitis
- Achilles, 228
 - bicipital, 219-220, 220
 - calcific, 218
 - of flexor hallucis longus, 228
 - supraspinatus, 217-219, 218
 - tibial, 228
- Tennis elbow, 215, 216
- Tenosynovitis, de Quervain's, 211, 212, 213, 214
- Thalidomide, 187
- Thoracic outlet syndrome, 222-224, 223
- Thromboangiitis obliterans, 264-265
- Thrombocytopenia, 235t, 245, 247
- Thumb
- de Quervain's tenosynovitis in, 212
 - Missouri, 44
- Thyroid disease, 114t
- Tibial tendinitis, 228
- Ticarcillin/clavulanate (Timentin), 204t
- Tick bites. See *Lyme disease*.
- Timentin (ticarcillin/clavulanate), 204t
- Tinel's test, 213
- Tissue ischemia and necrosis, 58t
- colchicine and, 66
- TNF- α . See *Tumor necrosis factor- α* .
- Toes, tophi in, 62
- Tolmetin sodium (Tolectin), 81t
- Tophi, in gout, 62, 65t
- Toxic synovitis of hip, 78t
- Toxoplasmosis, 115t
- Tramadol
- action mechanisms of, 133
 - drug interactions with, 133
 - for osteoarthritis, 129, 133-134
- Trauma, osteoarthritis and, 118
- Trichinosis, 115t
- Tricyclic antidepressants
- for sleep disorders, 53
 - tramadol interaction with, 133
- Trigger points, for fibromyalgia, 50, 52
- Trimethoprim/sulfamethoxazole, 259
- Tropheryma whippelii* infection, 33
- Tumor necrosis factor- α
- in rheumatoid arthritis, 169, 183, 188
 - SLE and, 232
- Twin studies, of psoriatic arthritis, 145
- Ulcerative colitis. See also *Inflammatory bowel disease (IBD)*.
- in spondyloarthropathy criteria, 14t
- Ulnar nerve entrapment, 214-215
- Unasyn (ampicillin/sulbactam), 204t
- Urethritis, 15t
- Uric acid. See also *Gout; Hyperuricemia*.
- excretion of, 57
 - factors altering, 58t
 - gender and, 57
 - lowering of, 67-70. See also *Allopurinol*.
 - monosodium. See *Monosodium urate crystals*.
 - solubility of, 59, 61
- Uric acid pool, size of, 57
- Uricosurics, for gout, 68-69, 69t
- USA Fibromyalgia Association, 277
- Uveitis
- in ankylosing spondylitis, 19
 - in IBD-associated arthritis, 32
 - in juvenile chronic arthritis, 74, 76
- Vaccination, against Lyme disease, 99
- Valsalva maneuver, 224
- Vancomycin, 204t
- Vasculitis
- Churg-Strauss, 259, 260t, 261
 - classification of, 251
 - cryoglobulinemia as, 263-264
 - differential diagnosis of, 78t

Vasculitis (*continued*)

- Henoch-Schönlein purpura as, 261, 263
 - mucocutaneous lymph node syndrome as, 261, 262t
 - polyarteritis nodosa as, 254-255, 256t-257t
 - Takayasu's arteritis as, 251, 252t, 253-254
 - thromboangiitis obliterans as, 264-265
 - Wegener's granulomatosis as, 255, 258t, 259
- Vocations, osteoarthritis and, 119
- Wegener's granulomatosis
- age and, 255
 - diagnosis of, 255, 258t, 259
 - management of, 259
 - race/ethnicity and, 255
- Whipple's disease, 33
- Whiskering, bony, 23, 25
- Wilson's disease, 42
- Wrist
- cartilage calcification in, 39
 - in rheumatoid arthritis, 172t
- Xanthine oxidase, 56
- Zidovudine, 114t