

- Sulfonamides, adverse effects of (*Cont.*):
 desensitization to, 384, 385
 eosinophilia, 422
 fever, 138
 in G6PD deficiency, 656t
 genetic considerations in, 385
 hepatotoxicity, 2023
 hypersensitivity, 382. *See also* Drug-induced hypersensitivity syndrome (DIHS)
 hypersensitivity syndrome, 382
 nephrotoxicity, 1857
 optic neuropathy, 203
 phototoxicity, 389t
 SJS or TEN, 383. *See also* Stevens-Johnson syndrome (SJS); Toxic epidermal necrolysis (TEN)
 thrombocytopenia, 727, 727t
 vasculitis, 382, 2193
 drug interactions of, 246e-4t
 indications for, 941t
 metabolism of, 34t
 for *Nocardia* infections, 1087
 overdose/poisoning with, 473e-11t
 in pregnancy and lactation, 937t
 resistance to, 931t, 934, 941t
- Sulfonylureas
 action of, 2413, 2414t
 adverse effects of, 389t, 2392, 2413
 contraindications to, 2414t
 drug interactions of, 2413
 for type 2 diabetes mellitus, 2413, 2414t
- Sulforaphane, 580
- Sulfur-containing shampoo, for tinea versicolor, 350t
- Sulfur dioxide exposure, 1692t
- Sulfur granules, 1090
- Sulfur mustard
 action of, 262e-1-2
 characteristics and health effects of, 262e-1t, 262e-2-3, 262e-3f
 as chemical terrorism agent, 262e-1
 decontamination and treatment of exposure to, 262e-2t, 262e-3-4
- Sulindac, 284, 477, 539
- Sumatriptan
 for cluster headache, 2595
 for cyclic vomiting syndrome, 261
 for migraine, 2591, 2592t, 2593t
 nasal spray, 2591, 2592t
 parenteral, 2591, 2592t
- Summer gripe, 1291
- Summer-type pneumonitis, 1681t
- Sunburn, 386, 386t, 476
- SUNCT/SUNA, 109t, 2595t, 2596
- Sundowning, 167, 168, 170
- Sun exposure, 30t, 385
 melanoma and, 387-388, 476, 477t, 493, 494
 nonmelanoma skin cancer and, 387, 476, 477t, 500
 skin effects of
 acute, 386-387, 386t
 chronic malignant, 387-388, 477t
 chronic nonmalignant, 387
 immunologic, 388
 immunosuppressive, 388
 molecular targets of, 386
 SLE skin flares and, 2126
 vitamin D synthesis and, 387
- Sunflower cataracts, 2519
- Sunitinib
 action and targets of, 101e-8, 102e-3, 102e-5t, 102e-17, 103e-18t, 103e-19
 adverse effects of, 103e-18t, 103e-19, 103e-26, 575, 579, 621
 for gastrointestinal stromal tumor, 102e-3, 102e-5t, 102e-17, 536
 for hepatocellular carcinoma, 102e-3
 for malignant pheochromocytoma, 2331
 for pNETs, 102e-3, 575
 for renal cell carcinoma, 102e-3, 102e-5t, 102e-17, 103e-19, 579
 for small intestinal leiomyosarcoma, 537
- Sunscreen(s)
 ingredients in, 391t
 jellyfish-safe, 2739
 for melanoma prevention, 494
 for polymorphous light eruptions, 389
 for skin cancer prevention, 476
 in SLE, 2130t
 SPF of, 391
 water resistance of, 391
- Superantigens, 124, 145e-9, 372e-19
- Super-conducting quantum-interference device (SQUID), 639
- Superior mesenteric artery occlusion, 104, 258
- Superior pontine stroke syndrome, 2579f
- Superior sagittal sinus thrombosis, 441e-20-22f, 783, 905-906
- Superior vena cava syndrome, 1787
 clinical features of, 1443, 1788
 diagnosis of, 1788, 1789f
 etiology of, 1787-1788
 in lung cancer, 510t, 511
 nocardial, 1085
 treatment of, 1788, 1789f
- Superoxide dismutase, 291e-2
- Supersaturation, 1866
- Supine hypertension, 146
- Suppurative thrombophlebitis, intracranial, 783, 905-906
- Suprachiasmatic nucleus, 195
- Supraglottis. *See* Epiglottitis
- Suprascapular neuropathy, 122
- Supraspinatus tendon, 2248, 2248f
- Supraventricular tachyarrhythmias, 1476
 atrial fibrillation. *See* Atrial fibrillation
 atrial flutter. *See* Atrial flutter
 atrial tachycardia. *See* Atrial tachycardia
 mechanisms of, 1476, 1477t
 in myocardial infarction, 1609
 in overdose/poisoning, 473e-5
 paroxysmal. *See* Paroxysmal supraventricular tachycardia (PSVT)
 in pregnancy, 47
 sinus tachycardia. *See* Sinus tachycardia
- Sural nerve biopsy, 386e-6f
- Suramin
 action of, 246e-13
 adverse effects of, 246e-7t, 607t, 1398, 2686t
 pharmacology of, 246e-13
 for sleeping sickness, 1398, 1398t
- Surfactant replacement therapy, 1739, 1739t
- "Surge-event" preparedness, 918
- Surgical ablation, for atrial fibrillation, 1489
- Surgical myectomy, 1569
- Surgical patient
 asthma in, 1680-1681
 blood loss in, 662
 diabetes mellitus in, 55
 infective endocarditis prophylaxis in, 55
 perioperative risk modification strategies
 ACE inhibitors, 54
 α_1 -adrenergic agonists, 54
 β -adrenergic antagonists, 53-54
 calcium channel blockers, 54
 coronary revascularization, 53
 oral antiplatelet agents, 54
 pulmonary, 54-55, 55t
 statins, 54
 preoperative evaluation of, 51
 for anesthesia, 54
 cardiac risk assessment, 51-53, 52f, 53f, 53t
 functional status, 52t
 intermediate- to high-risk patient, 51
 preoperative questionnaire, 51t
 pulmonary risk assessment, 54-55, 54t
 VTE prophylaxis in, 55, 1636-1637, 1637t
- Surgical-site infections
 diagnosis of, 915
 prevention of, 914t, 915, 945, 945t
 risk factors for, 915
 sternal, 844-845, 926
 streptococcal, 968
 treatment of, 915
- Surgical ventricular restoration, 1515
- Surrogates, for health care decisions, 17e-1-2
- Susceptibility testing, 150e-8
- Sutama. *See* Epidemic (louse-borne) typhus
- Sv (sievert), 263e-1
- Swallowing
 difficulty with. *See* Dysphagia
 physiology of, 255, 255f
 refusal to, 254
 tests of, 257
- Swan-neck deformity, 2136
- S wave, 1451
- Sweat/sweating
 in cystic fibrosis, 1699
 excess, 2643
 initiation of, 479e-1
 in pheochromocytoma, 2329
 potassium loss in, 305
 sodium loss in, 298
 water loss in, 95e-1, 298
- Sweet syndrome
 in cancer patient, 487
 clinical features of, 132t, 135, 366, 487
 differential diagnosis of, 366
 disorders associated with, 366
 drug-induced, 379
 epidemiology of, 132t
 etiology of, 132t
 in IBD, 1958
 myelodysplasia and, 670
 skin manifestations of, 135
 mucocutaneous ulcers, 369
 papulonodular lesions, 132t, 364t, 366
 plaque, 25e-10f, 76e-16f
- Sweet taste sensation, 212
- Swimmer's ear (otitis externa), 228-229, 1045t, 1046
- Swimmer's itch, 829, 1426
- Swine influenza A viruses, 778, 784, 917. *See also* Influenza
- Swinging flashlight test, 196, 196f
- Swyer's syndrome (pure gonadal dysgenesis), 2353
- Sydenham's chorea, 49, 377e-1, 2151, 2622
- Syk, 2115
- Symbiosis, 86e-9
- Sympathectomy, 1649
- Sympathetic apraxia, 179
- Sympathetic postganglionic neuron, 87f
- Sympatholytic agents, 473e-3, 473e-9t, 1624t, 1625
- Sympathomimetics, 473e-8t, 2320t
- Symplecty device, 296e-5
- Symporters (cotransporters), 332e-6
- Synaptobrevin (VAMP2), 985
- Synaptophysin, 120e-2t
- Synaptotagmin, 372e-25t
- Synbiotics, 86e-9
- Synchronized intermittent mandatory ventilation (SIMV), 1741. *See also* Mechanical ventilation
- Syncope, 142
 after vaccination, 791
 in aortic stenosis, 1531
 approach to the patient, 146-147
 cardiac. *See* Cardiac syncope
 definition of, 142
 diagnosis of, 147-148
 differential diagnosis of, 147
 ECG in, 148
 epidemiology of, 142
 heat-related, 479e-1
 high-risk features of, 142t
 natural history of, 142
 neurally mediated (reflex; vasovagal)
 AV conduction block in, 1471
 causes of, 145t
 classification of, 144-145
 clinical features of, 145
 pacemaker for, 1470
 pathophysiology of, 143-144, 144f
 treatment of, 145
 in orthostatic hypotension. *See* Orthostatic hypotension
 pathophysiology of, 142-143
 in psychiatric disorders, 148