

- Systemic lupus erythematosus (*Continued*)
 secondary antiphospholipid syndrome and, 785, 786t
 subacute bacterial endocarditis and, 880-881
 treatment for, 783-784
- Systemic Lupus International Collaborating Clinics (SLICC), 782
 classification criteria for, 783t
- Systemic sclerosis, 787-792
 clinical presentation of, 788-790, 788t, 789f
 diagnosis and differential diagnosis for, 790
 epidemiology of, 787
 mimics of, 790, 791t
 pathology of, 787-788, 787f
 peripheral vascular involvement in, 789
 renal crisis in, 789-790
 treatment for, 790-792
- Systemic therapy, in metastatic renal cell carcinoma, 605, 605t
- Systemic vascular resistance, 21
 in shock, 263
- Systemic vasculitides, 345
- Systemic venous flow, in transposition of great arteries, 74
- Systole, 16, 19
- Systolic murmurs, 34
 in aortic coarctation, 70-71
 in aortic valve stenosis, 72-73
 in atrial septal defects, 68
 in pulmonary valve stenosis, 72
- T**
- T-cell receptors, 827
- T cells, lymphocytes, 521
- T lymphocytes, 827-828
 in lymph nodes, 520
 peripheral blood, 521-522
- T tubules, 17-18
- T wave, 38
 inversion, 41
- Tachyarrhythmias, 120
 syncope and, 25
- Tachycardia, 120-129
 in severe asthma, 187
- Tacrolimus, 369-370
- Tadalafil, 718
- Taenia solium*, 956-957
- TAFI (thrombin activator fibrinolysis inhibitor), 542
- TAH. *see* Total artificial heart (TAH).
- Takayasu's arteritis, 163, 345, 796
- Takotsubo (stress-induced) cardiomyopathy, 141t
- Tamm-Horsfall proteins, 913
- Tamoxifen
 for breast cancer, 588
 for gynecomastia, 656
- Tamponade, cardiac
 malignant tumors and, 145
 trauma with, 146
- Tandem repeats, 9
- Tapeworms, 957
 intestinal, 957
- Tardive dyskinesia, medications and, 1021
- Targeted therapy
 in cancer, 588-590, 589f, 590t
 in lung cancer, 597
- Technetium-99m (^{99m}Tc)
 in gastrointestinal imaging, 377, 395
 sestamibi, 47
 in thyroid imaging, 634
- Tegaserod, for irritable bowel syndrome, 374
- Telangiectasia, hereditary hemorrhagic, 547
- Telomerase, aging and, 1103-1104
- Telomeres, aplastic anemia and, 482
- Temozolomide, for glioblastoma, 1066
- Temperature, thermoregulation of, 835
- Temporal arteritis, 163, 796
- Temporal lobe epilepsy (TLE), 1054
- Temporal lobe seizures, 1053, 1053t
- Tendinitis, 811, 811t
- Tennis elbow, 811
- Tenosynovitis, in rheumatoid arthritis, 771-772
- Tensilon test, 1098
- Tension pneumothorax, 250
- Tension-type headache, 997
- Teratogenicity, 1061-1062
- Teriflunomide, for multiple sclerosis, 1073
- Teriparatide, 763
 for osteoporosis prevention and treatment, 762t
- Testes
 deficiency of. *see* Hypogonadism
 endocrinology of, 652, 652f
 primary failure of, 653, 653t
- Testicular cancer, 607-608, 724-725, 724t
- Testicular feminization, 653-654
- Testicular torsion, 728
- Testosterone, 652, 652f, 714
 gonadotropins and, 631
 stimulation of transcription and, 653-654
 therapy with, 655
 erectile dysfunction, 716
 for gonadotropin deficiency, 631
- Tetany, 732
- Tetralogy of Fallot, 73-74, 74f
- Infective endocarditis and, 877
 pregnancy in patient with, 157
- Thalassemia, 512-513
 α -Thalassemia, 513
 β -Thalassemia, 512-513
 Thalassemic syndrome, 513t
- Thalidomide
 for multiple myeloma, 531
 for oral ulcers, in HIV-infected patients, 936
- Theophylline
 in asthma, 220
 in chronic obstructive pulmonary disease, 213
- Thiamine
 deficiency of, in Korsakoff's syndrome, 984
 supplemental, with parenteral nutrition, 688
- Thiazide diuretics
 for hypercalciuria, 339
 for hypertension, 172, 173t, 177
 hyponatremia and, 301
 in metabolic alkalosis, 311
- Thiazolidinediones
 heart failure and, 64
 for type 2 diabetes, 666, 666t
- Thienopyridine, in acute STEMI, 105
- Thin glomerular basement membrane nephropathy, 327, 327f
- Third cranial nerve palsy, 1003
- Third-degree atrioventricular block, 119f, 120
- Thoracentesis, of pleural effusion, 248
- Thoracic outlet obstruction, 165
- Thoughts, major disorders of, 985-989, 987t
- Thrills, 30
- Thrombin, 542
- Thrombin activator fibrinolysis inhibitor (TAFI), 542
- Thrombin time, 544, 544t, 545f, 561, 559.e1t
- Thrombocythemia, essential, 491-492, 568
- Thrombocytopenia, 548-554
 bleeding time and, 535
 consumption, 554
 with decreased marrow production of platelets, 548-549, 548f
 definition of, 548
 diagnostic approach to, 548
 differential diagnosis of, 548, 548f
 dilutional, 554
 fetal alloimmune, 552
 heparin-induced, 569
 induced by heparin, 551
 neonatal alloimmune, 552
 with platelet destruction, 548f, 550-554
 in disseminated intravascular coagulation, 553, 553t
 drug-induced, 551-552, 552t
 fetal and neonatal alloimmune, 552, 552t
 immune-mediated, 550-552
 immune thrombocytopenic purpura, 550-551
 pregnancy-induced hypertension with, 553
 in sepsis, 850
 with sequestration of platelets, 548f, 549-550
 in systemic lupus erythematosus, 781
- Thrombocytosis, in myeloproliferative disorders, 568
- Thromboembolectomy
 for acute limb ischemia, 160-161
 in pulmonary embolism, 243
- Thromboembolic disease, 345
- Thromboembolism, venous, in pancreatic cancer, 599-600
- Thrombolytic therapy
 acute kidney injury and, 357
 for acute limb ischemia, 160-161
 in acute STEMI, 105-106
 for pulmonary embolism, 166-167, 244
 for stroke, ischemic, 1042
 for venous thromboembolism, 571
- Thrombophilia, inherited, 567, 572
- Thrombophlebitis, in Trousseau's syndrome, 164, 553
- Thromboplastin, 542
- Thrombopoietin (TPO), 480
- Thrombosis, 564-573
 cancer and, 568
 cancer-associated, 618-619
 clinical evaluation of, 570-571
 pathology of, 564-570
 platelet disorders and, 568-570
 vascular tissues and, hemostatic regulation in, 564
- Thrombotic microangiopathy, 324-326, 326f
 disorders associated with, 348t