

- Right-sided chest leads, 39
- Right ventricular dysfunction, tetralogy of Fallot and, 74
- Right ventricular failure  
in chronic obstructive pulmonary disease, 211  
pulmonary embolism with, 166  
in secondary pulmonary hypertension, 242
- Right ventricular hypertrophy, 39-40
- Right ventricular outflow tract obstruction, pregnancy in patient with, 157
- Rigors, 836
- Rings, esophageal, 400-401
- Rinne test, 1007-1008
- Risedronate, for osteoporosis, 762, 762t
- Risk factor modification, in peripheral arterial disease, 159
- Rituximab, 234, 524, 590t  
for acute lymphoblastic leukemia, 499-500  
for factor VIII inhibitors, 560  
in humoral immunity, 944  
for immune thrombocytopenic purpura, 550  
for indolent non-Hodgkin's lymphomas, 524-525  
for membranous nephropathy, 317  
for minimal change disease, 316  
for rheumatoid arthritis, 774t  
for Waldenström macroglobulinemia, 532
- River blindness, 956
- RNA polymerase, 2-3  
gene expression and, 4  
inhibition of, by toxins and antibiotics, 4
- RNA (ribonucleic acid), 2  
catalytic, 3  
micro-RNAs, 5  
synthesis of, 2-4, 3f
- Rocky Mountain spotted fever (RMSE), 842
- Romiplostim, 481
- Roth's spots, 878
- Roundworm, 955
- Roux-en-Y gastric bypass (RYGB), 680, 680f
- Rub, pleural, 188
- Russel-Uclaf Causality Assessment Method (RUCAM), 453
- S**
- S. agalactiae*, skin and soft tissue infection from, 885
- S. aureus*, skin and soft tissue infection from, 885
- S. pneumoniae*, infection with, pneumonia in, 873-874, 874f
- S. pyogenes*, skin and soft tissue infection from, 885
- S<sub>1</sub>, 31
- S<sub>2</sub>, 31  
abnormal splitting of, 32, 32t
- S<sub>3</sub>, 32  
in heart failure, 59
- S<sub>4</sub>, in heart failure, 59
- S<sub>4</sub> gallop, 32
- Saccadic eye movements, 1004
- Sacroiliac joints, inflammation of, spondyloarthritis and, 775-776
- Sacroiliitis, 777-778, 778f  
in inflammatory bowel disease, 419
- Saddle embolus, 263
- Safer sexual practices, 941
- Sagittal sinus thrombosis, septic, 865
- Salicylate poisoning, 309-310
- Salicylates  
hearing loss caused by, 1007  
overdose of, 264t
- Salmeterol, in chronic obstructive pulmonary disease, 213
- Salmonella*, diarrhea due to, 900-901
- Salmonella paratyphi*, 838t
- Salmonella typhi*, 838t
- Salt  
decrease in distal delivery of, 305  
dietary, hypertension and, 172
- Salvia divinorum*, 1129t-1130t
- Sarcoidosis, 228-230, 331  
clinical presentation of, 229  
corticosteroids for, 230  
definition and epidemiology of, 228  
diagnosis of, 229-230  
hypercalcemia and, 229  
with interstitial infiltrates, 229.e1f  
pathology of, 228-229  
prognosis of, 230  
radiographic staging of, 229t  
rheumatic manifestations of, 816-817  
treatment of, 230
- Sarcoma, 616
- Sarcomeres, 17-18
- Sarcoplasmic reticulum, 17-18
- Sargramostim, 591
- Saturated fats, 693
- Scabies, 926
- Scarlet fever, 868
- Schatzki's ring, 400, 400.e1f
- Schilling test, 382
- Schistocytes, 509
- Schistosomiasis, 956
- Schizencephaly, 1025
- Schizoaffective disorder, 989
- Schizophrenia, 988
- Schmidt's syndrome, 638, 643
- Schwannomas  
in neurofibromatosis 2, 1030  
vestibular, 1008-1009, 1008f
- Scleroderma, 400t
- Scleroderma-like syndrome, 814
- Scleroderma renal crisis (SRC), 347-348, 789-790
- Scleroderma sine scleroderma, 788
- Scleromyxedema, systemic sclerosis and, 790
- Sclerosis, systemic, 347
- Scoliosis, 251
- Scotomas, 1002  
scintillating, 1002
- Scrofula, 844
- Scurvy, 547
- Sealing zone, 733-734
- Second-degree atrioventricular block, 118-120, 119f
- Secondarily generalized convulsive seizures, 1053-1054
- Secondary antiphospholipid syndrome, systemic lupus erythematosus and, 785, 786t
- Secretin stimulation test, for chronic pancreatitis, 433
- Secretin test, in Zollinger-Ellison syndrome, 414
- Sedative-hypnotics, abuse of, 1129t-1130t
- Sedatives, abuse of, 1132-1133
- SEGAs, for tuberous sclerosis complex, 1031
- Segmental arterial mediolysis, 344
- Seizure disorder, 1051
- Seizures, 1051. *see also* Epilepsy.  
brain abscess causing, 862-863  
brain tumor causing, 1065  
classification of, 1052-1053  
in cysticercosis, 956-957  
electrical, 1053  
febrile, 1057  
generalized, 1052  
primary, 1055-1056, 1055f  
nonconvulsive, 968  
partial, 1053-1054  
in stroke, acute, 1041  
subclinical, 1053  
symptomatic causes of, 1051, 1051t  
in traumatic brain injury, early onset, 1047
- Semilunar valves, 16
- Seminomas, 607-608
- Semiology, of seizure, 1052-1053
- Sense strand, 3
- Sensitivity, of test, 583
- Sepsis, 263, 846-852  
acute respiratory distress syndrome in, 262  
clinical presentation of, 849-850  
definition of, 846, 847f  
diagnosis of, 850-851  
diagnostic criteria for, 846t  
epidemiology of, 846-848  
hypocalcemia in, 746  
immunopathogenesis of, 848, 848f  
microorganisms associated with, 847, 847t  
neutropenia in, 518  
pathology of, 848  
prognosis of, 851-852  
treatment of, 851, 851t
- Sepsis syndromes  
pathophysiology of, 846  
systemic inflammatory response syndrome and, 846
- Septal reduction therapy, in hypertrophic cardiomyopathy, 142, 143f
- Septic arthritis, 766, 767t, 905  
and gout, 801  
in sickle cell disease, 815  
treatment of, 907
- Septic bursitis, 810
- Septic shock, 263  
clinical presentation of, 849-850  
definition of, 846, 847f  
epidemiology of, 846-848  
pathophysiology of, 848-849  
treatment of, 851, 851t
- Septo-optic dysplasia, 1024
- Sequential nephron blockade, 62
- Serotonin agonists, for migraine, 996
- Serotonin syndrome, 835-836
- Serosus otitis media, 871
- Serum-ascites albumin gradient (SAAG), for ascites, 461
- Serum creatinine kinase, elevated, causes for, 1090t
- Serum glutamic-oxaloacetic transaminase (SGOT), 440, 441t
- Serum glutamic-pyruvic transaminase (SGPT), 440, 441t