

- Eflornithine (*Cont.*):
 cream, for hirsutism, 334
 pharmacology of, 246e-8-9
 in pregnancy and lactation, 246e-3t
 for sleeping sickness, 1398, 1398t
 EGF (epidermal growth factor), 400e-1t, 1912, 1913f, 2285
 EGFR (epidermal growth factor receptor), 39t, 41, 103e-16, 507, 1932
 EGFR (epidermal growth factor receptor) antibodies, 103e-21, 103e-21t
 EGFR gene mutations
 in autism spectrum disorders, 599
 in head and neck cancer, 503
 in lung cancer, 507t, 508, 509, 509f, 521
 EGFR inhibitors. *See* Epidermal growth factor receptor (EGFR) inhibitors
Eggerthella lenta, 86e-9
 Egophony, 1662
 EGPA. *See* Eosinophilic granulomatosis with polyangiitis (Churg-Strauss syndrome)
 Egyptian roussettes, 1324
 EHEC. *See* Enterohemorrhagic *E. coli* (EHEC)
 Ehlers-Danlos syndrome, 2510
 classification of, 2510, 2510t
 clinical features of
 bleeding, 403
 cardiac, 290e-1t, 1638, 1641, 2511
 cutaneous, 367, 2510-2511
 hernias, 2511
 ligament and joint changes, 2511
 pes planus, 2511
 scoliosis, 2511
 vascular disorders, 732
 diagnosis of, 2511
 genetic considerations in, 732, 2510t, 2511
 incidence of, 2510
 in pregnancy, 47
 treatment of, 2511
Ehrlichia spp., 150e-8, 1152, 1159
Ehrlichia chaffeensis, 129t, 888, 1159-1160.
 See also Human monocytotropic ehrlichiosis
Ehrlichia ewingii, 1160
 Ehrlichioses, 1155t, 1159-1160, 1159f
 ELA (enzyme immunoassay), 150e-2, 1245
 EIEC (enteroinvasive *E. coli*), 1028t, 1031.
 See also *Escherichia coli* infections, intestinal
Eikenella corrodens, 167e-1, 167e-2, 183e-1, 183e-2t. *See also* Infective endocarditis, HACEK group
 Eisenmenger's syndrome
 clinical features of, 400, 1522, 1523
 heart-lung transplantation for, 320e-2
 hypoxia in, 248
 in pregnancy, 47, 1522
 treatment of, 1523
 Ejaculation, 325, 327
 Ejection fraction, 265e-9
 Ekbohm's syndrome, 2750-2751
 Ekiri syndrome, 1056
 ELANE gene, 2104
 Elapids, 2734, 2737. *See also* Snakebites
 Elastase: antielastase hypothesis, emphysema, 1700-1701
 Elastase, stool, 2087t, 2090
 Elastin, 1700, 2507, 2513
 Elbow
 bursitis of, 2247
 epicondylitis of, 2249
 neuropathy at. *See* Ulnar neuropathy
 ELC/MIP-3 β , 372e-12t
 Elderly, 70. *See also* Aging
 appendicitis in, 1987
 asthma in, 1680
 benign forgetfulness of, 171
 care coordination for, 83-84, 83t
 cerumen impaction in, 220
 clinical decision-making for, 82
 comorbidity of chronic diseases in, 71, 72t, 77-78, 82
 delirium in, 79, 79f, 166. *See also* Delirium
 diabetes mellitus in, 82. *See also* Diabetes mellitus
 dietary guidelines for, 84-85
 disability in, 71, 72t, 93e-4-5, 93e-4f
 drug-induced illness in, 38
 drug use in, 38
 elder abuse, 17e-1
 exercise in, 84
 falls in, 76, 79-80, 80f, 162, 164. *See also* Fall(s)
 frailty in. *See* Frailty
 functional assessment of, 78-79, 78t
 health care settings for, 82-83, 83t
 hearing loss in, 219, 219f
 heat-related illness in, 479e-1
 hemoglobin/hematocrit in, 394t
 hypernatremia in, 303
 hypothermia in, 478e-1, 478e-3
 involuntary weight loss in, 81, 274-275
 levothyroxine dosage in, 2293
 liver abscess in, 850
 musculoskeletal disease in, 2219, 2228
 olfactory dysfunction in, 214, 214f, 217
 oral health, 242
 pain management in, 80
 PD in, 82. *See also* Parkinson's disease
 polypharmacy in, 77-78
 preventive care for, 84
 principles of care for, 4
 rheumatoid arthritis in, 2148-2149
 screening tests in, 31t, 84
 seizures in, 2546t, 2547
 undernutrition and anorexia in, 81
 urinary incontinence in, 80-81, 81f
 vaccines for, 84
 vitamin D deficiency in, 75, 2465
 water requirement of, 95e-1
 weight regulation in, 275
 Electrical alternans, 1457-1458, 1572, 1572f
 Electrical injury, 1649, 2657
 Electrical remodeling, 273e-4
 Electrocardiography (ECG), 1450. *See also* specific disorders
 ambulatory, 273e-5
 in chest pain evaluation, 100-101
 clinical interpretation of, 1440, 1458-1459
 computerized, 1459
 electrophysiology in, 273e-1, 1451, 1451f
 intervals of, 1451, 1451f
 leads of, 1451-1452, 1452f
 normal, 269e-14f, 269e-15f, 273e-1, 278e-1f, 1452-1453, 1453f
 in overdose/poisoning, 473e-3
 P wave, 1452
 QRS complex, 273e-1, 1451, 1452-1453, 1453f
 in respiratory sinus arrhythmia, 278e-1f
 sensitivity and specificity of, 1451
 stress
 in arrhythmia evaluation, 273e-5
 in chest pain evaluation, 101-102, 270e-13-14
 contraindications to, 1582
 in ischemic heart disease evaluation, 1582, 1583f, 1595
 pharmacologic, 1582, 1585
 protocols for, 1585t
 ST segment elevations on, 1457, 1457f, 1457t
 T wave, 273e-1, 1453
 U wave, 1453
 waveforms of, 1451, 1451f
 Electrocautery, 247
 Electrochemical potential, 332e-6
 Electrocochleography, 223
 Electroconvulsive therapy, 2717
 Electrodiagnostic studies, 442e-1
 electroencephalography. *See*
 Electroencephalography (EEG)
 electrophysiologic studies. *See*
 Electrophysiologic studies
 evoked potentials. *See* Evoked potentials
 magnetoencephalography, 442e-3, 2550
 in myasthenia gravis, 2702
 in myopathies, 462e-4, 462e-4t
 nerve conduction studies. *See* Nerve conduction studies
 in peripheral neuropathy, 2676-2677, 2677t
 Electroencephalography (EEG), 442e-1, 442e-1f
 in brain death, 1776
 in coma, 442e-2, 1775
 continuous monitoring, 442e-2-3
 in delirium, 167
 in dementia, 442e-2
 in encephalitis, 442e-2
 in epilepsy, 442e-1-2, 442e-2f
 in neurally mediated syncope, 144f
 in neurologic critical illness, 1779
 in seizures, 2550
 Electrogenic transport, 332e-6
 Electrolysis, for hair removal, 334
 Electrolyte(s)
 for diarrhea, 267
 in enteric secretions, 98e-4t
 pancreatic secretion of, 2090
 parenteral requirement for, 98e-5t
 in specialized nutritional support formulas, 98e-4
 in stool, measurement of, 1933
 toxicity of, in transfusions, 138e-5
 Electrolyte disturbances. *See also* specific conditions
 delirium in, 169
 in hypothermia, 478e-2
 neurologic complications of, 463e-3-4
 Electromyography (EMG)
 in back pain, 114
 in fecal incontinence, 274
 in inflammatory myopathies, 2199-2200, 2199t
 in myasthenia gravis, 2702t
 in peripheral neuropathy, 2676-2677, 2677t
 principles of, 442e-4, 442e-4f
 single-fiber, 442e-6
 Electronutral transport, 332e-6
 Electronic medical records, 3, 30
 Electrophoresis, of serum proteins, 710-712, 712f
 Electrophysiologic studies, 442e-4
 blink reflexes, 442e-6
 cardiac. *See* Electrocardiography (ECG)
 electromyography. *See* Electromyography (EMG)
 F-wave studies, 442e-5
 H-reflex studies, 442e-5
 muscle response to repetitive nerve stimulation, 442e-5-6
 nerve conduction studies. *See* Nerve conduction studies
 in seizures, 2550
 Elementary body, 1166, 1166f
 Elephantiasis, 1418, 1419f. *See also* Lymphatic filariasis
 Eletriptan, 2591, 2592t, 2593t
 Eleuthero, 404t
 Elimination
 of disease, 785
 of drugs, 35
 ELISA (enzyme-linked immunosorbent assay), 214e-8
Elizabethkingia meningoseptica infections, 183e-2t, 183e-3
 Elliptocytes, 81e-1, 81e-4f
 Elliptocytosis, 81e-4f, 652f, 653, 653t
 El Moro Canyon virus, 1308t
 ELN gene mutations, 2513
 El Niño events
 disease outbreaks and, 151e-8, 151e-8f
 weather effects of, 151e-4, 151e-4f
 Elongin (pVHL), 2343
 Elsberg's syndrome, 2657
 Eltrombopag, 729
 Elvitegravir, 1275t, 1281
 Emanuel syndrome, 83e-5
 Emnden-Meyhof pathway, defects of, 399
 Embolectomy, 1636, 1980, 1980t
 Embolic protection device, 296e-2
 Embolic stroke. *See* Ischemic stroke
 Embolism
 in acute limb ischemia, 1646
 cerebral arterial gas, 477e-7
 cutaneous, 361t, 362