

- pathogenesis of, 433e-1, 433e-1f
with progressive skeletal myopathy and/or cardiomyopathy
Danon's disease, 432e-2t, 432e-4t, 433e-5, 1566
PRKAG2 deficiency, 433e-2t, 433e-5
type II. *See* Pompe disease (acid α -1,4 glucosidase deficiency)
- Glycolysis
abnormalities of, 462e-14, 650f, 653–654
anaerobic bacterial, 461
in heart muscle, 265e-10
- Glycopeptides, 930, 931t, 942
- Glycoprotein gp120, 214e-3
- Glycoprotein hormones, 400e-1
- Glycoprotein Ib/IX, 372e-25t
- Glycoprotein Ib-IX-V complex, 275–276, 741–742
- Glycoprotein IIb/IIIa, 401, 745, 746f, 748
- Glycoprotein IIb/IIIa antagonists. *See also specific drugs*
adverse effects of, 749
discontinuation before lumbar puncture, 443e-1
dosage of, 749
indications for, 749
for myocardial infarction, 1596, 1606
in PCI, 296e-1
pharmacology of, 749
- Glycoprotein IIb/IIIa receptors, 276, 725, 742
- Glycoprotein IIb/IIIg, 372e-25t
- Glycoproteinosis(es), 432e-3t
- Glycopyrrrolate, 2643
- Glycosphingolipidoses, neutral, 432e-3t
- Glycosuria, 299, 332e-7t
- Glycylcyclines. *See* Tigecycline
- Glycyrrhetic acid, 64e-8, 306, 307
- GMAP (Global Malaria Action Plan), 14
- GM-CSF (granulocyte-macrophage colony-stimulating factor), 372e-11t, 414f, 416–417
- GM-CSF therapy. *See* Granulocyte-macrophage colony-stimulating factor (GM-CSF) therapy
- GM gangliosides, 372e-24t
- GNA11 gene mutations, 2475
- GNAS1 gene mutations, 426e-6, 430, 437, 2344
- GNAS gene mutations, 2315, 2486
- Gnathostoma spinigerum/gnathostomiasis*
clinical features of, 908t, 1412–1413
diagnosis of, 245e-6t, 765t, 1413
epidemiology of, 765t, 1412
treatment of, 1411t, 1413
- Gnotobiotic, 86e-1t, 86e-7
- GnRH. *See* Gonadotropin-releasing hormone (GnRH)
- GnRH1 gene mutations, 2363
- GnRHR gene mutations, 2363, 2364t
- GOBI, 8
- GOBI-FFF, 8
- Goblet cells, 86e-8
- Goiter, 2301
- Goitrogens, 2301
- Goitrous thyroiditis. *See* Hashimoto's thyroiditis (autoimmune hypothyroidism)
- Gold, adverse effects of, 349, 361, 379, 727t, 2193, 2688t
- Golden Rice, 96e-7
- Golgin, 372e-24t
- Golumimab
adverse effects of, 348t, 2146t, 2173
for ankylosing spondylitis, 2172–2173
for autoimmune and inflammatory diseases, 372e-30
for IBD, 1961
for psoriasis/psoriatic arthritis, 348t, 2177
for rheumatoid arthritis, 2145, 2146t
- Gompertzian growth curve/kinetics, 102e-2, 103e-3f
- Gonadal development, 2349f, 2351f
- Gonadal dysgenesis, 2353
- Gonadal mosaicism, 433
- Gonadal sex, 2349, 2349f
- Gonadectomy, 336
- Gonadotropin(s), 401e-4. *See also* Follicle-stimulating hormone (FSH); Luteinizing hormone (LH)
action of, 401e-4
deficiency of. *See* Hypogonadism
in male reproductive function, 2360
for ovulatory induction, 2389
pituitary tumor production of, 2273–2274
secretion of, 401e-4
synthesis of, 401e-4
- Gonadotropin-releasing hormone (GnRH)
action of, 401e-2f, 401e-4
deficiency of. *See* Hypogonadotropic hypogonadism
for hypogonadotropic hypogonadism, 337
hypothalamic, 401e-1, 401e-2f
in male pubertal development, 2357
in menstrual cycle regulation, 2378
in ovarian function regulation, 2376–2377, 2377f
pulse frequency of, 400e-6, 401e-4
- Gonadotropin-releasing hormone (GnRH) analogues, 2362
- Gonadotropin-releasing hormone (GnRH) stimulation test, 2360
- Goniometry, 200
- Gonococcal arthritis. *See* Gonococcal infections, disseminated
- Gonococcal infections, 1003
anorectal, 1005–1006
cephalosporin intermediate/resistant, 1005
in children, 1006, 1008
diagnosis of, 150e-6, 150e-8, 1007–1008
disseminated
clinical features of, 133t, 835, 1006, 1007f
complications of, 1006
epidemiology of, 133t, 1006
joint involvement in, 1006, 1007t
oral manifestations of, 238t
risk factors for, 1006
skin manifestations of, 25e-11f, 76e-13f, 133t, 135, 369, 1007f
treatment of, 1008, 1009t
- epidemiology of, 869, 1003
- epididymitis, 872
- global considerations in, 1003, 1004
in HIV infection, 1006–1007
in men, 870–871, 881, 1005, 1005f
in neonates, 1006, 1009t
ocular, 1006, 1009t
oral manifestations of, 238t
pathogenesis of, 1003–1004. *See also* *Neisseria gonorrhoeae*
- pelvic inflammatory disease. *See* Pelvic inflammatory disease (PID)
pharyngeal, 231, 1006, 1008, 1009t
in pregnancy, 50, 1006, 1008
prevention and control of, 1009
- quinolone-resistant, 1004
screening for, 29t, 882
spectinomycin-resistant, 1004–1005
treatment of, 871, 872t, 1008, 1009t
in women, 872, 1005
- Go-no go test, 183
- Gonorrhea. *See* Gonococcal infections
- Goodpasture's syndrome
clinical features of, 377e-4, 1715, 1835t, 1836, 1839
diagnosis of, 1839
hemoptysis in, 245
- HLA gene association with, 373e-8t
pathophysiology of, 372e-24t, 377e-4, 1715, 1833
prognosis of, 1839
treatment of, 1715, 1839
- Good's syndrome, 123e-1
- Gordon's syndrome. *See* Pseudohypoaldosteronism type II (Gordon's syndrome)
- GORlin formula, valve area measurement, 1463
- Gorlin's syndrome (nevoid basal cell carcinoma syndrome)
clinical features of, 364t, 365, 599t
genetic considerations in, 101e-6t, 599t, 602
- nonmelanoma skin cancer in, 500
ovarian fibroma in, 594
- Goserelin, 103e-15, 585
- Gottron's sign, 374, 374f, 2195
- Gout, 2233
clinical features of, 2233
diagnosis of, 2233–2234, 2234f
drug-induced, 2218t
genetic considerations in, 431e-3, 431e-3t
hyperuricemia in, 431e-4
inflammasome activity in, 372e-8t
nephropathy in, 431e-4, 1862
obesity and, 415e-6
prevalence of, 431e-1, 431e-4
tophaceous, 365, 436e-2f
treatment of, 2234–2235
- Gou virus, 1307t
- Gowers' sign, 462e-1, 462e-3f
- gp41, 1230, 1244
- gp120, 1216, 1230, 1237
- gp160, 1237
- GPC regimen, for bladder cancer, 577
- GPCRs (G protein-coupled receptors), 212, 400e-1, 400e-1t, 2252
- GPI (glucose-6-phosphate isomerase) deficiency, 650f, 654t
- GPIHP1 deficiency, 2440, 2440t
- G protein(s), 400e-3, 400e-3f, 468e-1, 1613
- G protein-coupled receptors (GPCRs), 212, 400e-1, 400e-1t, 2252
- GRA. *See* Glucocorticoid-remediable aldosteronism (GRA)
- Graafian follicle, 2376f
- Graded exercise therapy, 153, 464e-2–3
- Gardenigo's syndrome, 209, 906
- Graft-versus-host disease (GVHD)
chronic, 139e-4
clinical features of, 139e-3
CMV infection and, 921–922
cobalamin malabsorption in, 646
diarrhea in, 267, 270
grading and staging of, 139e-3–4, 139e-3t
incidence of, 139e-1
prevention of, 138e-5, 139e-4
skin manifestations of, 139e-3, 349, 353, 361, 362, 362t
transfusion-associated, 138e-5, 664
treatment of, 139e-4
- Graft-versus-tumor effect, 139e-1
- Graham-Steel murmur, 51e-6, 1540, 1550
- Grain dust exposure, 1688t, 1691
- Gramicidin, 945t
- Grammar, assessment of, 177
- Gram-negative bacteria. *See also specific bacteria*
antibiotic resistance in, 807, 933, 1026–1027
antibiotic targets in, 932f
diagnosis of, 150e-1, 150e-2t, 1026
epidemiology of, 1025
global considerations in, 1026–1027
host interactions of, 1025, 1025t
infections caused by, 1026, 1752t
in sepsis/septic shock, 1752t
structure and function of, 1025
- Gram-positive bacteria. *See also specific bacteria*
antibiotic resistance in, 933
antibiotic targets in, 932f
diagnosis of, 150e-1, 150e-2t
in sepsis/septic shock, 1752t
- Gram's stain, 150e-1, 150e-2t, 806, 1085f
- Grandmother hypothesis, of aging, 94e-3
- Granisetron, 62, 103e-25, 109, 260, 260t
- Granular casts, 62e-11f
- Granular lymphocytes, 81e-2
- Granulicatella spp., 821, 971
- Granulocyte(s), 81e-6f, 89e-3f, 419t. *See also* Eosinophil(s); Neutrophil(s)
- Granulocyte colony-stimulating factor (G-CSF), 372e-11t, 414f, 804
- Granulocyte colony-stimulating factor (G-CSF) therapy
adverse effects of, 366, 379
for AML, 686
for aplastic anemia, 667
in HSCT, 89e-1, 139e-1–2