

Scripps Clinic and Scripps Green Hospital Internal Medicine Residency Program

Primary Care Pathway Learning Objectives and Clinical Guidelines

Preventive Medicine/Screening:

- Adult immunization guidelines (CDC)
 - Influenza
 - Tetanus, diphtheria, pertussis
 - Varicella
 - Measles, mumps, rubella
 - Zoster
 - HPV
 - Pneumococcus
 - HAV and HBV
 - Meningococcus
 - *Haemophilus influenzae* type B
- Cancer screening guidelines
 - Breast cancer screening guidelines (USPSTF, ACP, ACOG, ACS)
 - Indications for *BRCA1* and *BRCA2* mutation screening (USPSTF)
 - Cervical cancer screening guidelines and follow-up intervals (USPSTF, ACOG, ACS)
 - Colorectal cancer screening and follow-up intervals (USPSTF, ACS, ACG)
 - Education of risks and symptoms of endometrial cancer in post-menopausal women (ACS)
 - Lung cancer screening guidelines (USPSTF, ACS)
 - Prostate Cancer screening guidelines (USPSTF, AUA, ACS)
- Cardiovascular disease screening/prevention
 - Abdominal Aortic Aneurysm Screening Guidelines (USPSTF)
 - Aspirin Use for Primary Prevention (USPSTF)
 - Assessment of cardiovascular risk (ACC/AHA)
 - Cardiovascular disease prevention in women (ACC/AHA)
 - Hypertension screening (USPSTF)
 - Statin use for primary prevention of cardiovascular disease (USPSTF)
 - Type 2 Diabetes Mellitus Screening (USPSTF)
- Infectious disease screening
 - Chlamydia/Gonorrhea Screening in Women (USPSTF)
 - HIV screening (USPSTF)
 - Syphilis screening (USPSTF)
 - Latent TB screening and diagnosis (USPSTF)

- Other guidelines
 - Depression Screening in Adults (USPSTF)
 - Fall Prevention in Community-Dwelling Adults (USPSTF)
 - Intimate Partner Violence Screening (USPSTF, ACOG)
 - Osteoporosis screening guidelines (USPSTF)
 - Use of dietary supplements and nutraceuticals (AACE)

- Behavioral Counseling
 - Exercise
 - Diet (AACE)
 - Obesity (AACE)
 - Sexual health (ACOG)
 - Smoking cessation
 - Excessive alcohol use screening and counseling
 - Skin cancer prevention
 - Lifestyle management to reduce cardiovascular risk (ACC/AHA, AAFP)

Allergy/Immunology, Otolaryngology:

- Allergic rhinitis (AAFP, AAAAI, AAO²)
- Indications for antibiotic treatment for acute rhinosinusitis (ACP, AAFP, IDSA)
- Diagnosis and management of rhinosinusitis (AAAAI, AAO²)
- Indications for testing and treatment of group A streptococcal pharyngitis (Centor criteria, ACP, IDSA)
- Acute otitis externa management (AAFP, AAO²)
- Otitis media with effusion (AAO²)
- Cerumen impaction (AAFP, AAO²)
- Sudden hearing loss (AAO²)
- Tinnitus (AAO²)
- BPPV (AAFP, AAO²)
- Meniere's disease (AAO²)
- Epistaxis (AAO²)
- Evaluation and management of dysphonia (hoarseness) (AAFP, AAO²)
- Evaluation of neck mass (AAO²)
- Angioedema (AAAAI)
- Acute and chronic urticaria (AAAAI)
- Diagnosis of anaphylaxis, treatment and prevention (AAAAI)
- Indications for allergy testing (AAAAI)
- Food allergy diagnosis and management (AAAAI)
- Drug Allergy (AAAAI)
- Adverse reactions to vaccines (AAAAI)
- Environmental allergies assessment and exposure control (AAAAI)
- Stinging insect hypersensitivity (AAAAI)



Cardiovascular Disease:

- Essential hypertension: Diagnosis and management (JNC, ACC/AHA, ACP)
- Secondary hypertension
- Postural hypotension
- Management of hyperlipidemia (ACC/AHA)
- Secondary prevention for patients with coronary and other atherosclerotic vascular disease (ACC/AHA)
- Diagnosis of acute coronary syndrome (ACC/AHA)
- Dual-antiplatelet therapy in CAD (ACC/AHA)
- Perioperative cardiovascular evaluation and management in patients undergoing non-cardiac surgery (ACC/AHA)
- Management of stable ischemic heart disease (ACC/AHA)
- Management of congestive heart failure (ACC/AHA)
- Diagnosis and management of hypertrophic cardiomyopathy (ACC/AHA)
- Management of valvular heart disease (ACC/AHA)
- Presentation of pericarditis
- Presentation of pericardial effusion
- Congenital heart disease in adults
- Management of extracranial carotid and vertebral artery disease (ACC/AHA)
- Evaluation and management of peripheral arterial disease (ACC/AHA)
- Evaluation and management of thoracic aortic disease (ACC/AHA)
- Management of atrial fibrillation (ACC/AHA, AAFP)
- Evaluation and management of SVT (ACC/AHA)
- Evaluation of syncope (ACC/AHA)
- Indications for pacemaker placement (ACC/AHA)
- Indications for ICD implantation (ACC/AHA)

Dermatology:

- Acne vulgaris (AAD)
- Rosacea
- General pruritus (BAD)
- Dermatitis (eczemas)
 - Atopic dermatitis (AAAAI, AAD)
 - Contact dermatitis (AAAAI, BAD)
 - Other dermatitis (photodermatitis, stasis, hand, nummular, seborrheic, exfoliative)
- Vascular dermatoses
 - Erythema multiforme
 - Erythema nodosum
 - Leg ulcers
- Papulosquamous dermatoses
 - Psoriasis
 - Pityriasis rosea

- Lichen planus
- Skin/soft tissue infections
 - Tinea capitis (BAD)
 - Other dermatophyte infections
 - Herpes Zoster and varicella
 - Other viral exanthems
 - Ectoparasites
 - Lymphadenitis and lymphangitis
 - Onychomycosis (BAD)
- Vesiculobullous dermatoses
 - Pemphigus vulgaris and bullous pemphigoid
- Pigment disorders
 - Vitiligo (BAD)
 - Melasma
- Nodules and tumors of the skin
 - Actinic keratosis (BAD)
 - Basal cell carcinoma (AAD, BAD)
 - Squamous cell carcinoma (AAD, BAD)
 - Melanoma and nevi (BAD)
 - Mycosis fungoides
 - Dermatofibroma
 - Cutaneous warts (BAD)
 - Corns and skin tags
- Lichen sclerosus (BAD)
- Alopecia areata (BAD)
- Androgenic alopecia

Endocrinology:

- Management of type 2 diabetes mellitus (ACP, AACE)
- Target goal A1c for DM2 (ACP, AACE)
- Management of thyroid nodules (AACE)
- Obesity management (AACE, ACC/AHA)
- Nonsurgical support of the bariatric patient (AACE)
- Diagnosis and management of hypothyroidism (AACE)
- Diagnosis and management of hyperthyroidism (AACE)
- Evaluation and management of adrenal incidentaloma (AACE)
- Treatment of male hypogonadism and male sexual dysfunction (AACE, AUA)
- Gynecomastia
- Amenorrhea
- Presentation of pituitary tumors and hypopituitarism
- Endocrine manifestations of tumors
- Primary ovarian insufficiency (ACOG)
- Evaluation and treatment of hyperandrogenism in women (AACE)



Gastroenterology:

- Evaluation of abnormal liver chemistries (ACG)
- Diagnosis of acute liver failure (AASLD)
- Evaluation and management of ascites due to cirrhosis (AASLD)
- Nutrition in liver disease (ACG)
- Diagnosis and management of non-alcoholic fatty liver disease (AASLD)
- Alcoholic liver disease (AASLD, ACG)
- Indications for screening and Hepatitis B & Hepatitis C infection diagnosis (USPSTF, AASLD, WHO)
- Diagnosis of Primary Sclerosing Cholangitis (AASLD, ACG)
- Diagnosis of Primary Biliary Cirrhosis (AASLD)
- Diagnosis of autoimmune hepatitis (AASLD)
- Diagnosis of hemochromatosis (AASLD, ACG)
- Diagnosis of Wilson Disease (AASLD)
- Vascular disorders of the liver (AASLD, ACG)
- Drug-induced liver injury (ACG)
- Management of focal liver lesions (ACG)
- Esophageal Dysphagia
- Diagnosis and management of GERD (ACG)
- Diagnosis, screening and management of Barrett's esophagus (ACG)
- Diagnosis and management of eosinophilic esophagitis (ACG)
- Management of dyspepsia (ACG)
- Management of gastroparesis (ACG)
- Treatment of H pylori infection (ACG)
- Diagnosis and management of SIBO (ACG)
- Diagnosis and management of celiac disease (ACG)
- Irritable bowel syndrome therapy (ACG)
- Diagnosis of IBD and Preventive Care in patients with IBD (ACG)
- Diagnosis of colon ischemia (ACG)
- Acute diarrheal infection (ACG)
- Management of benign anorectal disorders (ACG)
- Diagnosis and management of pancreatic cysts (ACG)
- Chronic pancreatitis (ACG)
- Biliary tract disease

Geriatric Medicine:

- Osteoporosis management (ACP, AACE)
- Prevention and management of pressure ulcers (ACP)
- Elder Abuse (ACOG)
- Medicare Wellness Visit Components (CMS)
- End of life and palliative care of the elderly

- Assessment of decision-making capacity and competency
- Disorders of swallowing in the elderly

Hematology/Oncology:

- Recommendations for patients on long-term aromatase inhibitors (ACOG)
- Genetic testing in hereditary GI cancer syndromes (ACG)
- Colorectal cancer screening for patients with hereditary colorectal cancer syndromes and higher risk (ESMO/ASCO)
- Supportive care and cancer survivorship (ASCO)
- Evaluation of anemia
- Evaluation of thrombocytopenia
- Evaluation of thrombocytosis
- Bleeding diathesis
- Thrombotic disorders
- Hematologic malignancies

Infectious Disease:

- Community-acquired pneumonia (IDSA, ATS)
- Diagnosis and management of influenza (IDSA)
- Diagnosis of tuberculosis (IDSA, CDC, ATS)
- Diagnosis and treatment of coccidioidomycosis (IDSA)
- Diagnosis of intra-abdominal infections (IDSA)
- Asymptomatic bacteriuria screening and treatment indications (IDSA, USPSTF)
- Management of acute cystitis and pyelonephritis
- Catheter-associated UTI (IDSA)
- STI treatment and prevention (CDC)
- Diagnosis and management of C. difficile infection (IDSA, ACG)
- Diagnosis and management of infectious diarrhea (IDSA)
- Management of skin and soft tissue infections (IDSA)
- Periorbital cellulitis and orbital infections
- Diabetic foot infections (IDSA)
- Diagnosis of prosthetic joint infection (IDSA)
- Diagnosis of vertebral osteomyelitis (IDSA)
- Diagnosis of infective endocarditis (Duke Criteria)
- Indications for infective endocarditis prophylaxis (AHA)
- HIV prevention, diagnosis, treatment (WHO)
- Primary care for patients with HIV (IDSA)
- Gynecology care for women with HIV (ACOG)
- Vaccination of the immunocompromised host (IDSA)
- Travel Medicine (CDC)

Nephrology/Urology:

- Role of urodynamic testing for lower urinary tract symptoms (AUA)
- Nonsurgical management of urinary incontinence (ACP)
- Diagnosis and treatment of overactive bladder (AUA)
- Diagnosis and treatment of interstitial cystitis/bladder pain syndrome (AUA)
- BPH symptom severity (International Prostate Symptom Score/AUA symptom index)
- Evaluation of Gross and Microscopic Hematuria (ACP, AUA)
- Asymptomatic microscopic hematuria in women (ACOG, AUA)
- Management of kidney stones and prevention of recurrence (AUA, ACP)
- Evaluation and management of complex renal cysts and masses (Bosniak classification, AUA)
- Diagnosis and post-treatment surveillance for bladder cancer (AUA)
- Management options for clinically localized prostate cancer (AUA)
- Erectile dysfunction (AUA)
- Peyronie's disease (AUA)
- Acute kidney injury (KDIGO/KDOQI)
- Evaluation of electrolyte derangements
- Presentation of glomerulonephritis
- Acute interstitial nephritis
- Presentation of rhabdomyolysis
- CKD evaluation and management (KDIGO)
- Anemia in CKD (KDIGO)
- BP management in CKD (KDIGO)
- Lipid management in CKD (KDIGO)
- CKD-Mineral and bone disorder (KDIGO)
- Diabetes management in CKD (KDOQI)
- Nutrition in CKD (KDOQI)

Neurology:

- Diagnosis of neurocognitive disorder/mild cognitive impairment/dementia (DSM, AAN)
- Treatment of Alzheimer's disease and other dementias (APA, AAN)
- Evaluation of driving risk in dementia (AAN)
- Management of unruptured intracranial aneurysms (AHA/ACC)
- Peri-procedural management of antithrombotic medications in patients with ischemic cerebrovascular disease (AAN)
- Evaluation and management of concussion in sports (AAN)
- Classification of headache disorders (IHS)
- Management of cluster headache (AAN)
- Episodic migraine treatment and prevention (AAN)
- Indication for botulinum toxin for neuromuscular disorders (AAN)
- Treatment of tics in Tourette's and chronic tic disorders (AAN)
- Diagnosis and initial therapy for Parkinson's disease (AAN)
- Restless leg syndrome (AAN)

- Essential tremor (AAN)
- Symptomatic treatment for muscle cramps (AAN)
- Evaluation of distal symmetric polyneuropathy (AAN)
- Treatment of painful diabetic neuropathy (AAN)
- Bell's palsy (AAN)
- Trigeminal neuralgia (AAN)

OB/GYN:

- Prenatal and perinatal care:
 - Pre-pregnancy counseling (ACOG)
 - Folic acid supplementation in women capable of pregnancy (USPSTF)
 - Gestational Diabetes Screening (USPSTF)
 - Preeclampsia screening (USPSTF)
 - Aspirin as preventive medication for women at high risk for pre-eclampsia (USPSTF)
 - Maternal immunization (ACOG)
 - Hepatitis B screening in pregnant women (USPSTF)
 - HIV screening in pregnant women (USPSTF)
 - Syphilis screening in pregnant women (USPSTF)
 - Group B strep prenatal screening (AAFP)
 - Perinatal depression screening (USPSTF)
- Well-woman visit components (ACOG)
- Contraceptive methods (CDC)
- Emergency contraception (ACOG)
- Tubal ectopic pregnancy (ACOG)
- Evaluation of post-menopausal bleeding (ACOG)
- Abnormal uterine bleeding in reproductive age women (ACOG)
- PCOS
- Female age-related fertility decline (ACOG)
- Vulvar intraepithelial neoplasia (ACOG)
- Persistent Vulvar Pain (ACOG)
- Management of dense breasts by mammography (ACOG)
- Diagnosis and management of postmenopausal vasomotor symptoms (AACE, ACOG)
- Hormone therapy and heart disease (ACOG)

Ophthalmology:

- Dry eye syndrome (AAO¹)
- Conjunctivitis (AAO¹, AAFP)
- Evaluation of red eye (AAFP)
- Blepharitis (AAO¹)
- Bacterial keratitis (AAO¹)
- Presentation of primary angle closure glaucoma (AAO¹)
- Diagnosis of posterior vitreous detachment (AAO¹)

- Vision loss in older adult (AAFP)
- Diabetic retinopathy (AAO¹)

Psychiatry:

- Depression screening tools PHQ-2, PHQ-9, Geriatric Depression Scale
- Diagnosis and treatment of major depression and depressive disorders (DSM, ACP)
- Depression screening post-MI (AAFP)
- Assessment and treatment of patients with suicidal behavior (APA)
- Chronic insomnia diagnosis and management (DSM, ACP)
- Diagnosis of other sleep-wake disorders (DSM)
- Diagnosis of bipolar disorder and related disorders (DSM)
- Diagnosis of anxiety disorders (DSM)
- Treatment of anxiety disorders (WFSBP, WHO)
- Treatment of panic disorder (APA)
- Diagnosis of obsessive-compulsive and related disorders (DSM)
- Pharmacological treatment of patients with alcohol use disorder (APA)
- Diagnosis of schizophrenia and other psychotic disorders (DSM)
- Diagnosis of trauma and stressor-related disorders (DSM)
- Management of PTSD and acute stress disorder (APA, VA/DOD)
- Diagnosis of somatic symptom and related disorders (DSM)
- Diagnosis of feeding and eating disorders (DSM)
- Management of eating disorders (APA)
- Diagnosis of gender dysphoria (DSM)
- Diagnosis of sexual dysfunctions (DSM)
- Diagnosis of substance abuse and addictive disorders (DSM)
- Treatment of substance use disorders (APA)
- Classification and features of personality disorders (DSM)
- Diagnosis of ADHD (DSM)
- Use of antipsychotics to treat agitation or psychosis in patients with dementia (APA)

Pulmonology:

- Evaluation of acute, subacute and chronic cough (CHEST)
- COPD Diagnosis and management (GOLD, ATS)
- Asthma diagnosis and management (ATS, AAAAI)
- Occupational asthma and work-exacerbated asthma (ATS)
- Exercise-induced bronchoconstriction (ATS, AAAAI)
- Diagnosis and classification of interstitial lung disease (ATS)
- Monitoring for pulmonary nodules (Fleischner Society)
- Presentation and diagnosis of lung cancer (CHEST)
- Diagnosis of nontuberculous mycobacterial lung disease (ATS)
- Pulmonary hypertension diagnosis

- Diagnosis and management of VTE (CHEST, ASH)
- OSA screening (Epworth sleepiness scale)
- OSA diagnosis (ACP)

Rheumatology, Orthopedics, Podiatry:


- Management of acute and chronic low back pain (ACP)
- Opioid prescribing for chronic pain (CDC)
- Classification and management of osteoarthritis (ACR)
- Classification of rheumatoid arthritis (ACR)
- Classification of axial spondyloarthritis (ASAS)
- Classification of systemic lupus erythematosus (ACR)
- Classification of Sjogren's syndrome (ACR)
- Classification of systemic sclerosis (ACR)
- Classification of myositis (ACR)
- Classification and management of polymyalgia rheumatica (ACR)
- Classification of vasculitis (ACR)
- Classification of fibromyalgia (ACR)
- Diagnosis and management of infracalcaneal heel pain/plantar fasciitis (ACFAS)
- Achilles tendon disease (ACFAS)
- Diagnosis and management of gout (ACP, ACR)

Other:

- Billing and coding
- Ancillary support services

Abbreviations and Acronyms:

- AAAAI: American Academy of Allergy, Asthma and Immunology
- AAD: American Academy of Dermatology
- AAFP: American Academy of Family Physicians
- AAN: American Academy of Neurology
- AAO¹: American Academy of Ophthalmology
- AAO²: American Academy of Otolaryngology
- AASLD: American Association for the Study of Liver Diseases
- ACC/AHA: American College of Cardiology/American Heart Association
- ACFAS: American College of Foot and Ankle Surgeons
- ACG: American College of Gastroenterology
- ACOG: American College of Obstetricians and Gynecologists
- ACP: American College of Physicians
- ACR: American College of Rheumatology
- ACS: American Cancer Society

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- APA: American Psychiatric Association
 - ASAS: Assessment of SpondyloArthritis International Society
 - ASCO: American Society of Clinical Oncology
 - ASH: American Society of Hematology
 - ATS: American Thoracic Society
 - BAD: British Association of Dermatologists
 - CDC: Centers for Disease Control
 - CHEST: American College of Chest Physicians
 - CMS: Centers for Medicare and Medicaid Services
 - ESMO: European Society for Medical Oncology
 - GOLD: Global Initiative for Chronic Obstructive Lung Disease
 - IDSA: Infectious Diseases Society of America
 - IHS: International Headache Society
 - KDIGO: Kidney Disease Improving Global Outcomes
 - KDOQI: National Kidney Foundation Kidney Disease Outcomes Quality Initiative
 - USPSTF: United States Preventive Services Task Force
 - VA/DOD: Veterans Affairs and the Department of Defense
 - WFSBP: World Federation of Societies of Biology Psychiatry
 - WHO: World Health Organization

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