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## Ferri's

# CLINICAL ADVISOR

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**PTG** Patient Teaching Guides



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Necrotizing pneumonias	II	Methanol and ethylene glycol poisoning	I	Acoustic neuroma	I
Nongonococcal urethritis	I	Opioid overdose	I	Acute disseminated encephalomyelitis	I
Odontogenic infections	I	Opioid use disorder	I	Alzheimer's disease	I
Orchitis	I	Paralytic shellfish poisoning	I	Amaurosis fugax	I
Osteomyelitis	I	Paraneoplastic syndromes	I	Amblyopia	I
Otitis externa	I	Performance enhancing hormones abuse	I	Amyotrophic lateral sclerosis	I
Otitis media	I	Pleurisy	I	Anisocoria	III
Paronychia	I	Postthrombotic syndrome	I	Anoxic brain injury	I
Pediculosis	I	Sarcoma	I	Antibody-mediated autoimmune encephalitis	I
Pelvic abscess	I	Shift work disorder	I	Astrocytoma	I
Pelvic inflammatory disease	I	Sore throat	I	Ataxia, acute or recurrent	II
Perirectal abscess	I	Statin-induced muscle syndromes	II	Ataxia, cerebellar, adult onset	II
Peritonitis, secondary	I	Substance use disorder	I	Ataxia, cerebellar, children	II
Pertussis	I	Synthetic cannabinoids	I	Ataxia, chronic or progressive	II
Pharyngitis/tonsillitis	I	Tracheobronchial narrowing on x-ray	II	Ataxia, progressive	III
Pinworms	I	Upper extremity deep vein thrombosis	I	Autistic spectrum disorders	I
Pneumonia, mycoplasma	I	Vitamin D deficiency	I	AV malformations, cerebral	I
Pneumonia, <i>pneumocystis jiroveci</i>	I	Vitamin deficiency (hypovitaminosis)	I	Ballism	II
Pneumonia, viral	I			Bell palsy	I
Prostatitis	I	<b>NEPHROLOGY</b>		Benign paroxysmal positional vertigo	I
Pyelonephritis	I	Acid-base homeostasis	III	Blindness, monocular, transient	II
Reactive arthritis	I	Acidosis, metabolic, algorithm	III	Brain neoplasm	I
Renal abscess	I	Acute glomerulonephritis	I	Brain neoplasm, benign	I
Rocky Mountain spotted fever	I	Acute kidney injury	I	Brain neoplasm, glioblastoma	I
Roseola	I	Acute tubular necrosis	I	Carotid artery stenosis	I
Salmonellosis	I	Acute urinary retention (AUR)	I	Carpal tunnel syndrome	I
Scabies	I	Alkalosis, metabolic, algorithm	III	Cerebral infarction secondary to inherited disorders	II
Scarlet fever	I	Autosomal dominant polycystic kidney disease	I	Cerebrospinal fluid (CSF)	IV
Sepsis	I	AV malformations, cerebral	I	Charcot-Marie-Tooth disease	I
Septic arthritis	I	Calcium-alkali syndrome	I	Chronic inflammatory demyelinating polyneuropathy	I
Shigellosis	I	Calcium stones	II	Chronic traumatic encephalopathy (CTE)	I
Sialadenitis	I	Cardiorenal syndrome	I	Cluster headache	I
Sinusitis	I	Chronic kidney disease	I	Complex regional pain syndrome	I
Sore throat	II	Contrast-associated acute kidney injury	I	Concussion	I
Southern tick-associated rash illness (STARI)	I	Dehydration correction, pediatric patient	III	Convulsive disorder, pediatric age	III
Spinal epidural abscess	I	Edema, generalized, algorithm	III	Daytime sleepiness	II
Spontaneous bacterial peritonitis	I	End-stage kidney disease	I	Delirium	I
Stomatitis	I	Glomerulonephritis, rapidly progressive	II	Delirium, agitated	II
Stye (hordeolum)	I	Glomerulopathies, thrombotic, microangiopathic	II	Delirium, dialysis patient	I
Syphilis	I	Glomerulosclerosis, focal segmental	II	Dementia, algorithm	III
Tapeworm infestation	I	Goodpasture syndrome	I	Dementia with Lewy bodies	I
Thrombophlebitis, superficial	I	Hematuria, in children	II	Diabetic polyneuropathy	I
Tinea corporis	I	Hemolytic-uremic syndrome	I	Dilated pupil	III
Tinea cruris	I	Hepatorenal syndrome	I	Diplopia, monocular	II
Tinea unguium	I	Hydronephrosis	I	Diplopia, vertical	II
Tinea versicolor	I	Hypercalcemia, algorithm	IV	Dissociative disorders	I
Toxoplasmosis	I	Hyperkalemia	I	Dizziness	II
Tuberculosis, milary	I	Hypermagnesemia, algorithm	IV	Dystonia	I
Tuberculosis, pulmonary	I	Hypernatremia, algorithm	IV	Elbow pain	II
Urinary tract infection	I	Hyperphosphatemia	I, II	Encephalomyelitis, nonviral causes	II
Urosepsis	II	Hyperuricemia	I	Encephalopathy	I
Vaccinations for international travel	V	Hypocalcemia, laboratory differential diagnosis	II	Epidural abscess	I
Vaccinations, recommendations for persons with medical conditions	V	Hypokalemia, algorithm	IV	Epidural hematoma	I
Vaginitis, fungal	I	Hypokalemia, periodic paralysis	II	Esotropia	II
Vaginitis, <i>Trichomonas</i>	I	Hypomagnesemia	I	Essential tremor	I
Vancomycin resistant <i>Enterococcus</i> (VRE)	I	Hypomagnesemia, algorithm	IV	Febrile seizures	I
Varicella	I	Hypomagnesemia, differential diagnosis	II	Focal seizures	I
Viral bronchiolitis	I	Hyponatremia	I, II	Footdrop	II
Zika virus	I	Hypoparathyroidism	I	Frontotemporal dementia	I
		Hypophosphatemia	I	Generalized tonic-clonic seizures	I
<b>INTERNAL MEDICINE</b>		Hypophosphatemia, algorithm	IV	Guillain-Barré syndrome	I
Acute disseminated encephalomyelitis	I	IgA nephropathy	I	Hallucinogenic overdose	I
Chronic pruritus	I	Interstitial nephritis	I	Headache, acute	II
COVID-19 cardiac effects	I	Kidney enlargement, unilateral	II	Headache, chronic	II
Gastric outlet obstruction	I	Microscopic polyangiitis	II	Hearing loss, algorithm	III
Nummular eczema	I	Monoclonal gammopathy of renal significance (MGRS)	I	Hereditary neuropathy	I
Sinusoidal obstruction syndrome	I	Nephrocalcinosis	II	HIV cognitive dysfunction	I
Smoke-inhalation injury	I	Nephrotic syndrome	I	Horner syndrome	I
Subjective cognitive decline	I	Oliguria, algorithm	III	Huntington chorea	I
Substance/medication-induced neurocognitive disorder	I	Pigmenturia	II	Hydrocephalus, normal pressure	I
		Pulmonary renal syndrome	I	Inclusion body myositis	I
<b>MISCELLANEOUS</b>		Pyelonephritis	I	Inflammatory myopathies	I
Abdominal wall masses	II	Relapsing polychondritis	I	Intracerebral hemorrhage, nonhypertensive causes	II
Anaphylaxis	I	Renal abscess	I	Labyrinthitis	I
Anorexia	II	Renal artery stenosis	I	Leg movement when standing, involuntary	II
Aphasia	I	Renal cell adenocarcinoma	I	Leptomenigeal lesions	II
Bullying, cyberbullying, and school violence	I	Renal cystic disorders	II	Limbic-predominant age-related TDP-43 encephalopathy	I
Cyanosis	II	Renal disease, ischemic management	III	Limping child evaluation	I
Deep vein thrombosis	I	Renal failure, acute, pigment-induced	I	Memory loss symptoms, elderly patients	II
Dehydration correction, pediatric patient	III	Renal lupus	I	Meniere disease	I
Delayed passage of meconium	II	Renal mass	III	Meningioma	I
Drowning	I	Renal parenchymal disease, chronic	I	Mental status changes and coma	II
Familial Mediterranean Fever	I	Renal tubular acidosis	I	Migraine headache	I
Fever, non-infectious causes	II	Renal vein thrombosis	I	Mild cognitive impairment	I
Food allergies	I	Rhabdomyolysis	I	Mononeuropathies, isolated	II
Graft-versus-host disease (GVHD)	I	Scombroid poisoning	I	Motion sickness	I
Groin lump	II	Statin-induced muscle syndromes	I	Multiple sclerosis	I
Hallucinogenic overdose	I	Tension-type headache	I	Muscle disease	II
Iliac fossa pain, left sided	II	Tumor lysis syndrome	I	Muscle weakness, algorithm	III
Iliac fossa pain, right sided	II	Uric acid stones	II	Muscular dystrophy	I
Lactic acidosis	I	Urinary retention	II		



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To my sons, Dr. Vito F. Ferri and Dr. Christopher A. Ferri, and my daughter-in-law, Dr. Heather A. Ferri, for their help and constant support, and to my wife, Christina, for her patience during manuscript preparation. A special thanks to all the readers who have personally commented on the merits of this book and through their suggestions have helped make this product a bestseller in the medical field.

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# Preface

This book is intended to be a clear and concise reference for physicians and allied health professionals. Its user-friendly format is designed to provide a fast and efficient way to identify important clinical information and to offer practical guidance in patient management. The book is divided into five sections and an appendix, each with emphasis on clinical information.

The tremendous success of the previous editions and the enthusiastic comments from numerous colleagues have brought about several positive changes over time. This is the 25th edition of *Ferri's Clinical Advisor*, a bestseller nationally and internationally and now available in multiple languages. Each section has been significantly expanded from prior editions, bringing the total number of medical topics covered in this book to more than 1,200. New illustrations, tables, and boxes have been added to this edition to enhance recollection of clinically important facts. The expedited claims submission and reimbursement ICD-10CM codes are included in all topics.

**Section I** describes in detail over 1,000 medical disorders and diseases—including ~26 new topics this edition—arranged alphabetically and presented in outline format for ease of retrieval. Topics with an accompanying algorithm are identified with an ALG icon; similarly, those topics with an accompanying online Patient Teaching Guide (PTG) are identified with a PTG symbol. Throughout the text, key quick-access information is consistently highlighted, with clinical photographs to further illustrate selected medical conditions, and relevant ICD-10CM codes listed. Most references focus on current peer-reviewed journal articles rather than outdated textbooks and old review articles.

Topics in **Section I** use the following structured approach:

1. Basic Information (Definition, Synonyms, ICD-10CM Codes, Epidemiology & Demographics, Physical Findings & Clinical Presentation, Etiology)
2. Diagnosis (Differential Diagnosis, Workup, Laboratory Tests, Imaging Studies)
3. Treatment (Nonpharmacologic Therapy, Acute General Rx, Chronic Rx, Disposition, Referral)
4. Pearls & Considerations (Comments, Suggested Readings)

For the 2023 edition we have also added an online “**Bonus Material**” section consisting of 42 additional chapters

**Section II** includes the differential diagnosis, etiology, and classification of signs and symptoms. This practical section allows the user investigating a physical complaint or abnormal laboratory value to follow a “workup” leading to a diagnosis. The physician can then easily look up the presumptive diagnosis in Section I for information specific to that illness. Several new signs and symptoms have been added to this section for the 2023 edition.

**Section III** includes more than 150 clinical algorithms to guide and expedite the patient's workup and therapy. For the 2023 edition, we have continued to update algorithms and colorize online versions for improved

readability. Physicians describe this section as particularly valuable in today's managed-care environment.

**Section IV** includes normal laboratory values and interpretation of results of commonly ordered laboratory tests. By providing interpretation of abnormal results, this section facilitates the diagnosis of medical disorders and further adds to the comprehensive “one-stop” nature of our text. New illustrations and tables have been added for this edition.

**Section V** focuses on preventive medicine. Information here includes screening recommendations for major diseases and disorders, patient counseling, and immunization and chemoprophylaxis recommendations.

The **Appendix** is divided into nine major sections. Appendix I contains extensive information on complementary and alternative medicine (CAM), including Common Herbs in Integrated Medicine as well as Herbal Activities Against Pain and Chronic Diseases. With this material, we aim to lessen the current scarcity of exposure of allopathic and osteopathic physicians to the diversity of CAM therapies. Appendix II focuses on nutrition, with an emphasis on dietary supplements, vitamins, and minerals. Appendix III deals with diagnosis and treatment of acute poisoning. Appendix IV is a guide on impairment and disability evaluation. Appendix V focuses on the protection of travelers. Appendix VI is new for this edition and addresses care of the transgender patient. Appendix VII—available in the online version of *Ferri's Clinical Advisor*—is a repository of practical patient instruction sheets, organized alphabetically, and covers the majority of topics in this book. These guides can be easily customized and printed and serve as valuable tools for improving physician-patient communication, patient satisfaction, and ultimately quality of care. Appendix VIII and IX offer guidance related to palliative care and preoperative evaluation, respectively.

I believe that we have produced a state-of-the-art information system with significant differences from existing texts. The information offered in all five sections and patient education guides could be sold separately based on their content, yet are available under a single cover, offering the reader tremendous value. I hope that the *Clinical Advisor's* user-friendly approach, numerous unique features, and yearly updates will make this book a valuable medical reference, not only to primary care physicians but also to physicians in other specialties, medical students, and allied health professionals.

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**Note:** Comments from readers are always appreciated and can be forwarded directly to Dr. Ferri at [fred\\_ferri@brown.edu](mailto:fred_ferri@brown.edu).

# Ferri's Clinical Advisor 2023—How to Use This Book



Mouse icon: Indicates content with additional references, figures, or tables available on the eBook. See ad in front of book for details.



PTG icon: Indicates an accompanying Patient Teaching Guide available on the eBook. See ad in front of book for details. Many additional PTGs are available online that are not connected to topics in Section I.



ALG icon: Indicates a topic with an accompanying algorithm.



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