## VII. DISORDERS OF THE URINARY AND KIDNEY TRACT

#### QUESTIONS

DIRECTIONS: Choose the one best response to each question.

- VII-1. A clinic patient who has a diagnosis of polycystic kidney disease has been doing research on the Internet. She is asymptomatic and has no significant family history. She asks you for screening for intracranial aneurysms. You recommend which of the following?
  - A. Head CT scan without contrast
  - B. CT angiogram
  - C. Cerebral angiogram
  - D. Magnetic resonance angiogram
  - E. No further testing
- VII-2. Which of the following is the most potent stimulus for hypothalamic production of arginine vasopressin?
  - A. Hypertonicity
  - B. Hyperkalemia
  - C. Hypokalemia
  - D. Hypotomicity
  - E. Intravascular volume depletion
- VII-3. A 28-year-old woman with HIV on antiretroviral therapy complains of abdominal pain in the emergency department. Laboratory data show a creatinine of 3.2 mg/dl; her baseline creatinine is 1.0 mg/dl. Urinalysis shows large numbers of white blood cells and red blood cells without epithelial cells, leukocyte esterase, or mitrites. Which test is indicated to diagnose the cause of her acute renal failure?
  - A. Acid-fast stain of the urine
  - B. Anti-GBM (glomerular base membrane) antibodies
  - C. Renal angiogram
  - D. Renal ultrasound
  - E. Urime electrolytes
- VII-4. You are evaluating a 40-year-old patient admitted to the hospital with cirrhosis and an upper gastrointestinal bleed. The bleeding was treated with endoscopy and photocoagulation, and the patient is now stable. He required two units of packed red blood cells. He was briefly hypotensive upon admission but has remained stable for the part 5 days. He is becoming oligaric. Laboratory data show a creatinine of 4.0 mg/dL, whereas his baseline is 0.8–1.1 mg/dL. So-

VIII-4. (Continued)

dium is 140 meq/L, BUN is 49 mg/dL. Urine sediment shows rare granular casts. His urine sodium is 50 meq/L, urine osmolality 287 mosmol and urine creatinine is 35 mg/ dL. What is the cause of this patient's acute renal failure?

- A. Acute interstitial mephritis
- B. Acute tubular necrosis
- C. Glomerulonephritis
- D. Hepatorenal syndrome
- Prerenal azotemia

VII-5. The pain associated with acute urinary tract obstruction is a result of which of the following?

- A. Compensatory natriuresis
- Decreased medullary blood flow
- C. Increased renal blood flow
- D. Vasodilatory prostaglandins
- VII-6. Preoperative assessment of a 35-year-old male patient going for coronary angiography shows an estimated glomerular filtration rate of 33 mL/min per 1.73 m² and poorly controlled diabetes. He is currently on no nephrotoxic medications, and the nephrologist assures you that he does not currently have acute renal failure. The case is due to begin in 4 h, and you would like to prevent contrast nephropathy. Which agent will definitely reduce the risk of contrast nephropathy?
  - A. Doparmine
  - B. Fenoldopsen
  - C. Indomethacin
  - D. N-acetyleysteine
  - Sodium bicarbonate
- VII-7. All the following forms of glomerulonephritis (GN) have associated normal serum complement C4 levels except
  - hopus nephritis stage IV
  - B. poststreptococcal GN
  - C. hemolytic-uremic syndrome
  - D. membeanoproliferative GN type II
  - E. endocarditis-associated GN

# **Nephrology Board Questions**

Amit Ghosh, MD

#### **Nephrology Board Questions:**

100 Questions & Answers About Kidney Dialysis Lawrence E. Stam, 2009-07-06 Whether you are a newly diagnosed patient with chronic kidney disease or have a friend or relative undergoing kidney dialysis this book offers help 100 Questions Answers About Kidney Dialysis gives authoritative practical answers to your questions about kidney dialysis including preparation nutrition complications and maintaining a healthy lifestyle Insider tips and advice are given from both physicians and actual patients making this book an invaluable resource for the 20 million Americans coping with the physical and emotional turmoil of this disease 2010 241 pages The Brigham Intensive Review of Internal Medicine Ajay K. Singh, Joseph Loscalzo, 2014 Based upon the popular review course from Harvard Medical School The Brigham Intensive Review of Internal Medicine is a comprehensive study guide for the American Board of Internal Medicine certification or maintenance of certification examination as well as for general practice review by physicians and residents This authoritative thorough resource provides in depth coverage on all specialties of internal medicine as well as palliative care occupational medicine psychiatry and geriatric medicine Editors Ajay K Singh and Joseph Loscalzo recruited leading authorities from Harvard as well as former chief residents at Brigham and Women's Hospital to contribute to this book Featuring over 600 board review questions with numerous tables and figures chapters offer detailed discussions with emphasis on essential learning points Over 100 chapters are organized into 10 broad sections with one additional section dedicated to board simulation As the required content for the American Board of Internal Medicine continues to evolve studying can prove challenging The Brigham Intensive Review of Internal Medicine is the ideal study guide for anyone preparing for certification or recertification Nephrology and Hypertension Board Review Phuong-Chi T. Pham, Phuong-Thu T. Pham, 2016-08-16 Prepare for the nephrology boards with confidence This comprehensive review book proportionally covers all topics listed in the American Board of Internal Medicine blueprint for the Nephrology Board preparing you for success on the certification and recertification exam The only review book of its kind Nephrology and Hypertension Board Review features a concise outline format line drawings and tables that promote high yield studying and effective retention of complex material It s a must have resource for mastering the wide knowledge base needed for nephrology board prep and clinical practice Mavo Clinic Internal Medicine Board Review Questions and Answers Robert D. Ficalora, 2013-07-08 This question and answer companion to Mayo Clinic Internal Medicine Board Review 10th Edition tests physicians and physicians in training on all relevant material related to the goals set forth by ABIM to ensure the success of internal medicine clinicians By dividing each chapter according to a major subspecialty and with every question structured as a mock clinical interview Mayo Clinic Internal Medicine Board Review Questions and Answers is the perfect study tool for physicians in training and practicing clinicians preparing themselves for board examinations in internal medicine **Onconephrology** Kenar D. Jhaveri, Abdulla K. Salahudeen, 2015-08-07 This case based resource focuses on kidney disease in patients with cancer Chapters cover the

pathophysiology and management of specific kidney diseases in cancer patients as well as the impact of chemotherapy toxicity of organ and stem cell transplantation and other emerging therapies Filling a significant knowledge gap in this burgeoning field Onconephrology features the latest evidence and clinical approaches for the beginner or experienced Transformations of Medical Education and Practice Impacting Critical Care in the New **Millennium** David W. Crippen, 2024-11-30 There have been major changes in the Education of critical care providers in recent years Some of these changes involve the psychology of Generation Z applicants new technological training aids the issue of training disadvantaged trainees exploring the difference between diversity and equity as well as the rise of physician extenders physician assistants and registered nurse practitioners Many of these changes have a direct effect on the quality and quantity of new physicians entering the work force in the new millennium Accordingly these Emerging Issues will have a direct impact on how critical care trainees are selected and trained directly affecting patient care This Volume is structured To Illustrate three platforms each resting on the platform below The three main sections include medical education Including The culture of medicine and critical care medicine in the new millennium The first section includes Examinations of Generation Z and medical education evolution of resident house staff implications for onerous medical training costs simulation models in medical education versus direct patient care emerging providers in medical ethics and futuristic concepts for innovative medical education The second section details politics internet and social media use the future of malpractice issues in health care metabolic investigations at point of care hope versus experience in long term ICU care and anti vaxxers in the pandemic era The final section details triage and ICU care of critically ill patients algorithms that might replace clinical intuition risks and benefits of artificial intelligence music and the brain ICU care during global pandemics the rise of physician extenders probability theory in interpreting clinical outcomes new ideas in death by neurologic criteria as well as the future of death Written by experts in the field Transformations of Medical Education and Practice Impacting Critical Care in the New Millennium serves as a detailed guide for seasoned clinicians working to teach the new generation of critical care physicians The Brigham Intensive Review of Internal Medicine Question and Answer Companion Ajay K. Singh, Joseph Loscalzo, 2014-08-15 This question and answer companion to The Brigham Intensive Review of Internal Medicine which is based upon the popular review course from Harvard Medical School is a study guide for the American Board of Internal Medicine certification or maintenance of certification examination as well as for general practice review by physicians and residents Editors Ajay K Singh and Joseph Loscalzo recruited leading authorities from Harvard as well as former chief residents at Brigham and Women's Hospital to contribute to this book This thorough resource features 500 board review questions and answers on internal medicine specialties including Infectious Disease Hematology and Oncology Rheumatology Pulmonary and Critical Care Medicine Endocrinology Nephrology and Hypertension Digestive Diseases and Disorders of the Pancreas and Liver Cardiovascular Disease Neurology and General Internal Medicine As the required

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Mayo Clinic Internal Medicine Board Review Amit Ghosh, MD,2010-09-23 Written by experienced faculty at Mayo Clinic The NINTH EDITION is a completely revised and updated study guide that has proved invaluable for the American Board of Internal Medicine certification or maintenance of certification examination as well as for general practice review by physicians around the world Emergency Medicine Board Review for the Visual Learner Joseph J. Violaris, Cristina M. Zeretzke-Bien, Tricia B. Swan, Lars K. Beattie, Brandon R. Allen, David Crabb, Dikea Roussos-Ross, 2021-03-12 This state of the art book provides a concise and up to date review of key emergency medicine topics in a predominantly visual format along with extensive practice questions to assist in preparing for the emergency medicine board exams It is comprised of numerous illustrations created by Dr Joseph Violaris which are specifically tailored toward the visual learner studying and preparing for board exams in emergency medicine The book is organized by organ system with chapters on ophthalmology cardiology pulmonology gastroenterology nephrology orthopedics immunology and more Special chapters that conclude the book are dedicated to trauma pediatrics toxicology environmental disorders and epidemiology Each chapter contains a visual learning guide followed by board practice questions at the end to reinforce topics addressed in the illustrations Emergency Medicine Board Review for the Visual Learner is an essential guide for medical students residents and fellows in emergency and internal medicine studying for board exams as well as EM physicians and related professionals preparing for recertification

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