### MICROBIOLOGY/PATHOLOGY QUESTIONS & ANSWERS

 Herpes simplex virus type I is clinically most often associated with

4. oral and ocular lesions.

1. neural lesions.
2. genital lesions.
3. cervical carcinoma.
4. oral and ocular
lesions.
5. none of the above.

Herpes simplex I, or HSV-I infection, is one of the most common viral infections. Almost all individuals are infected between 6 and 18 months of life, but only a small proportion become symptomatic. Those who do develop gingiva stomatitis which is characterized by multiple vesicular lesions in and around the mouth. Vesicles may also crupt over the cornea and cause blindness. The recurrent form of HSV-I infection is extremely common. After the primary infection, the virus becomes latent in the dorsal root ganglia. At times of stress, it reactivates and causes the common fever blister. This is a vesicular lesion at the mucocutaneous border of the lip.

Neural lesions, choice I, are rare complications of HSV-I infection, though the advent of AIDS has made HSV-I neurologic disease a significant clinical entity. A neurologic illness caused by HSV-I is encephalitis. This may occur during primary infection or with reactivation. Genital lesions, choice 2, may occur with HSV infection. However, they are usually caused by herpes simplex virus II infection. HSV-II has also been implicated in the pathogenesis of cervical carcinoma along with other viruses, most notably the papilloma virus. HSV-II does not induce cervical carcinoma

A 17-year-old patient has periodontitis involving the anterior teeth with sparse plaque. Which of the following is the probable primary pathogen?

A. Actinobacillus actinomyoetemcomitans

Adult chronic periodoutitis is usually associated with calculus, plaque, inflammation and anaerobic organisms within the periodontal pocket. These organisms include Bacteroides, Fusobacteria, Porphyromonas, and Prevotella.

In this case, however, the young age of the patient, and the absence of plaque and calculus indicate a different disease. Juvenile periodontitis has a site predilection for incisors and first molars. It is usually very fast in progression, and not associated with high plaque and calculus levels. Its main cause is the organism Actinohacillus actinomycetemoomitans, also mercifully known as "aa". So the correct answer to question is choice A.

A. Actinobacillus actinomycetemcomitan

B. Bactemides forsythus C. Fusobacterium nucleatum D. Porphyromonas gingivalis

E. Prevotella intermedia A 65-year-old man who experiences urinary retention or difficulty in

voiding his bladder

most likely has

benign prostatic hyperplasia.

Benign prestatic hyperplasia or BPH is so common that it is considered by some to be a normal consequence of aging. Half of men over the age of 50 have BPH and almost all men over the age of 70 have BPH. BPH is characterized by the formation of nodules in the prestatic tissue surrounding the prestatic urethra. When these nodules enlarge, urinary obstruction often follows. Most obstruction is partial obstruction. It causes voiding difficulty. The individual cannot fully empty his bladder and he must make frequent trips to the restreom.

carcinoma of the prostate.
 benign prostatic hyperplasia.
 malignant neoplasm involving the urethra.
 bladder metastasis of bronchogenic carcinoma.

Complete obstruction may also occur. The individual rapidly develops hydronephrosis and acute renal failure. This is a life-threatening condition as the renal failure become less and less reversible as time clapses. Carcinoma of the prostate, choice 1, rarely causes urinary retention. The carcinoma arises in the lateral lobes of the prostate. It must reach very large proportions to compromise the prostatic urethra which is located centrally. Malignant neoplasms of the urethra, choice 3, may cause urinary retention. These lesions are extremely rare, however. Bronchogenic carcinoma, choice 4, may metastasize to the bladder. However, metastatic lesions and primary tumors of the bladder usually cause hematuria rather than urinary retention.

- Achondroplasia
- Actinomyces israelii
- refers to a hereditary disease of impaired cartilage formation, poor long bone formation and dwarfism.
- are part of the normal oral flora and are usually pathogenic only after oral trauma. Therefore the correct answer to question is

- Acyclovic
- Addison's Disease, a disorder of adrenal
- is an antiviral agent commonly used in the treatment of herpes virus infections.

insufficiency, can lead to the development of oral lesions in any area of the mouth; however, these oral lesions are most commonly found on the

# **Pathology Questions Answers**

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#### **Pathology Questions Answers:**

Multiple Choice Questions in Pathology with Answers and Explanatory Comments I. L. Brown, 1983 Access to Surgery Raja Shahzad, Shahzad G. Raja, 2007 A volume of 500 answer questions in Physiology divided in to 9 sections namely general cardiovascular respiratory renal neurophysiology gastrointestinal endocrine and reproductive It covers the subject of Medicine Question-Answer Mr. Rohit Manglik, 2024-07-30 A collection of clinically oriented questions and physiology answers for medical students to test their knowledge and prepare for competitive exams Question-Answer Mr. Rohit Manglik, 2024-07-30 A structured question and answer guide for MBBS students that simplifies complex medical topics for exam preparation and revision **Access to Surgery** Shahzad G. Raja,2007 This book provides subject based Single Best Answer style questions for doctors on their Foundation Year rotations and candidates taking their MRCS exam It includes SBA questions testing factual knowledge and clinical scenarios testing application of basic facts Detailed answers and explanations enable doctors to revise without the need to read large Anatomy books the National School of Dental Technics American Institute of Dental Teachers, 1897 Proceedings National School of Elsevier Comprehensive Guide To PGMEE With Companion Website - Volume 2 Exam, 2009 Dental Technics, 1897 4 Volumes covering 19 subjects with an extensive summary on each subject 10 years 1999 2008 guestion papers of All India PGMEE and AIIMS PGMEE with answers and explanations This book offers you 6 months FREE access to the Elsevier ExamZoneTM website specially designed for PGME preparations Monthly Mock Tests with answers explanations and a subject wise performance summary Simulated tests of recently concluded PGME exams Ask an Expert to clarify your doubts List of medical institutes offering PG courses Exam calender updates you with the upcoming exams application availability due date for form submissions etc Elsevier ExamZoneTM is a brand developed to focus on exam preparatory materials and testing tools All rights in the trademark ExamZone are reserved with Reed Elsevier India Pvt Ltd Triumph's Complete **Review of Dentistry** K Rajkumar, R. Ramya, 2018-10-16 This preparatory manual is a single source reference for postgraduate exam preparation Intense efforts have gone in preparation of the book to make it complete in all aspects In depth coverage of every subject in the form of synopsis is the highlight of the book To enhance rapid reading quick learning facts have been framed as an effective learning tool Multiple choice questions have been designed to suit both national and international competitive postgraduate entrance examinations

Artificial Intelligence-Empowered Bio-medical **Applications** Dimitrios P. Panagoulias, George A. Tsihrintzis, Maria Virvou, 2025-07-19 The book delves into advancements in personalized medicine highlighting the transition from generalized treatments to tailored strategies through AI and machine learning It first emphasizes the role of biomarkers in training predictive models and neural networks enhancing disease diagnosis and patient management It then explores AI driven healthcare systems particularly the use of microservices to improve scalability and management Additionally it examines regulatory challenges the need for AI explainability and the

PINXEL framework which defines explainability requirements using the technology acceptance model TAM and the diffusion of innovation theory DOI Furthermore the book evaluates the capabilities of large language models including ChatGPT and GPT 4V in medical applications with a focus on diagnosis and structured assessments in general pathology Lastly it introduces an AI powered system for primary care diagnosis that integrates language models machine learning and rule based systems The interactive AI assistants Med Primary AI assistant and Dermacen Analytica leverage natural language processing image analysis and multi modal AI to enhance patient interactions and provide healthcare professionals with high accuracy personalized diagnostic support By taking a holistic approach the book underscores the integration of AI into healthcare aiming to support medical professionals in patient diagnosis and management with precision and adaptability

Questions and Answers for Dental Nurses Carole Hollins, 2012-04-10 Questions and Answers for Dental Nurses has been completely revised and updated for its third edition Encompassing the significant changes to the NEBDN National Certificate this book now includes both standard Multiple Choice Questions and the new style Extended Matching Questions with helpful explanatory information on responses As a self assessment tool this revision guide is a must have for all trainee dental nurses looking to sit either the NEBDN examination or the NVQ in Oral Healthcare up to level 3 Completely revised content and updated format The author is the current Chairman of the NEBDN and a member of its New Exam Project Question Writing Team 14 chapters in 4 sections covering the whole curriculum 2 types of multiple choice question throughout 1 of 5 single best answer questions New scenario based extended matching questions Clear explanation of answers Invaluable resource for independent revision Boosts confidence of readers preparing for examinations The Routledge Handbook of **Philosophy of Delusion** Ema Sullivan-Bissett, 2024-11-15 Delusions play an important and fascinating role in philosophy and are a particularly fertile area of study in recent years spanning philosophy of mind and psychology epistemology ethics psychology psychiatry and cognitive science The Routledge Handbook of Philosophy of Delusion explores the conceptual and philosophical issues in the study of delusion and is the first major reference source of its kind Comprising 38 chapters by an international team of contributors the Handbook is divided into six clear parts The Nature of Delusion Delusion in Disorders Epistemology of Delusion Delusion's Place in the Mind Delusion Formation Responsibility Culture and Society Within these sections key topics are discussed including delusions and wellbeing delusions as they occur in wider mental disorder the epistemic profile of delusions evidence justification rationality how delusions are formed delusions and folk psychology how they relate to belief self deception imagination and so on and delusions in the wider social and cultural context An outstanding resource for both students and researchers The Routledge Handbook of Philosophy of Delusion is essential reading for those working on delusion in philosophy departments and also suitable for those in related disciplines such as psychology psychiatry and cognitive science Textbook of Pathology and Genetics for Nurses E-Book Sonal Sharma, Geetika Khanna, S D Gangane, 2019-05-18 This book has been written keeping in mind the modern day nursing

students who would like crisp and clear working knowledge of pathology and genetics which will enable them in delivering better patient care All the disease processes have been described in brief yet wholesome manner and in simple language This book will pave the way for the basic pathogenesis of all diseases and help students in the long run Designed keeping in mind the curriculum prescribed by the INC Topics presented in points and small paragraphs for quicker learning Exam oriented multiple choice short answer and long answer type questions provided All appropriate recent trends included In this edition Stem cell therapy which marks a new era in the healthcare has been included **SBAOs for the FRCEM Primary** Pawan Gupta, 2018-08-30 SBAQ s for the FRCEM Primary is a key resource for the new FRCEM Primary examination Featuring over 450 Single Best Answer Questions SBAQ s mapped to the Royal College of Emergency Medicine curriculum this comprehensive guide ensures high quality self assessment Each chapter focuses on key areas of emergency medicine that candidates will be tested on All questions are supported by detailed answers and further reading to ensure quick identification of key areas that may need more attention The last chapter features a mock examination of 100 SBAQ s ensuring the reader has not only the knowledge to the pass the exam but can practice the technique and approach required for success in this exam Edited by an experienced Consultant SBAQ s for the FRCEM Primary is essential reading for **Review Questions for Human Pathology R.R.** candidates preparing for the FRCEM Primary exam worldwide Jones, 1999-03-15 This is a question and answer illustrated review text for fourth year medical students preparing for their medical board examinations in pathology Exceptionally thorough and detailed it contains approximately 600 questions in thirteen sections covering cellular reaction to injury acute and chronic inflammation and wound healing hemodynamic disorders immune disorders neoplasia environmental pathology and nutritional disorders cardiovascular system respiratory system hematopoietic and lymphoid systems gastrointestinal system liver and biliary tract and exocrine pancreas kidney and lower urinary tract male genital system female genital system endocrine system skin musculoskeletal system nervous system and eye and pediatric diseases To best answer the needs of students Review Questions in Pathology provides full paragraph explanations for each answer Author Dr Robin R Jones is a distinguished professor from a prominent medical school

Neuroimaging in Neurogenic Communication Disorders Kostas Konstantopoulos, Dimitrios Giakoumettis, 2023-06-17 Neuroimaging in Neurogenic Communication Disorders provides a comprehensive review of cases utilizing neuroimaging in neurogenic communication disorders Basic knowledge of neuroanatomy and medical conditions related to these speech and language disorders are discussed Each case study includes information on neuroanatomy case presentation neuroimaging differential diagnosis and final diagnosis This book is written for medical students practitioners and researchers in neuroscience and speech language pathology Neurogenic communication disorders are caused by damage to the central or peripheral nervous system This damage can be caused by Parkinson's disease stroke dementia traumatic brain injury brain tumors and other neurologic disorders and causes issues such as aphasia dysarthria and apraxia Focuses on neuroimaging in

acquired neurogenic communication disorders like apraxia dysarthria and aphasia Covers basic neuroanatomy as related to speech and pathology Includes cases organized by anatomical entities involved in lesions 
First Aid Q&A for the NBDE Part II Jason E. Portnof, Timothy Leung, 2010-11-19 NBDE Part II style questions written by dental students who just took the exam Put the proven First Aid formula to work for you Part of the time tested First Aid review series First Aid Q Chapter 2 Operative Dentistry and Prosthodontics Chapter 3 Oral and Maxillofacial Surgery and Pain Control Chapter 4 Orthodontics Chapter 5 Pediatric Dentistry Chapter 6 Endodontics Chapter 7 Periodontics Chapter 8 Radiology Chapter 9 Pathology Chapter 10 Patient Management Public Health Ethics and Biostatistics 
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