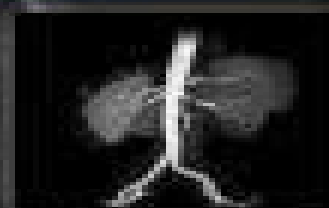


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Duke Review of MRI Principles: Case Review Series E-Book Wells Mangrum, Quoc Bao Hoang, Tim J Amrhein, Scott M Duncan, Charles M Maxfield, Elmar Merkle, Allen W Song, 2018-03-24 A solid understanding of MRI physics is essential for both residents and practicing radiologists and *Duke Review of MRI Physics Principles Case Review Series 2nd Edition* provides practical applications board style self assessment questions and clinically relevant cases in a high yield easy to digest format Designed to help you solve clinical questions arrive at accurate diagnoses and use MRI more effectively in your practice it uses a case based approach to demonstrate the basic physics of MRI and how it applies to successful and accurate imaging interpretation and diagnosis Focuses on 18 key MRI principles such as T1 contrast T2 contrast and proton density using a series of cases that make difficult concepts engaging and understandable Features over 800 high quality MR images in a full color user friendly case format with clear explanations of physics and other MRI principles Shares the experience and knowledge of a multidisciplinary author team comprising radiology residents practicing radiologists and radiology physicists who provide practical guidance for each body system neurologic breast body vascular and musculoskeletal Includes a new chapter on MRI Safety as well as new and improved

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Duke Review of MRI Physics Wells Mangrum, 2018 **Neurosurgery Self-Assessment E-Book** Rahul S. Shah, Thomas A.D. Cadoux-Hudson, Jamie J. Van Gompel, Erlick Pereira, 2016-08-13 Ideal for both neurosurgical residents and recertifying neurosurgeons Neurosurgery Self Assessment Questions and Answers offers the most comprehensive up to date coverage available Over 1 000 clinically relevant multiple choice questions across 46 topic areas test the candidate s knowledge of basic neuroscience and neurosurgical subspecialties to an unparalleled degree and provide detailed answer explanations to facilitate learning and assessment Over 700 histology pathology radiology clinical and anatomical images serve as an index of routinely tested on images in neurosurgical examinations with high yield summaries of each pathology to reinforce and simplify key concepts Includes only multiple choice questions in both single best answer and extended matching item 10 20 options format increasingly adopted by neurosurgery certification boards worldwide Questions are organized by topic and classified by degree of difficulty through a highly visual traffic light system which codes each question in green amber or red Includes coverage of the landmark studies in areas such as vascular stroke spine and neurooncology Practical tips facilitate study with test taking strategies and things to consider before sitting for an exam Utilizes Imperial and SI units throughout

Duke Review of MRI Principles Wells Mangrum, 2012-04-16 *Neuroanatomy Basics: A Clinical Guide E-Book* Mohammad Nouredine, 2017-05-13 A hands on tool for medical students Neuroanatomy Basics A Clinical Guide covers key basic neuroanatomy material and the most important clinical correlations that a medical student is required to know The book s style is simple and features an array of figures illustrations that will show the student what he she has just studied It will follow a breadcrumbs approach that relies heavily on images figures Relying on photographic memory is quite helpful in grasping dry and rigid neuroanatomy concepts hence the large number of figures contained in the book Students will not have to refer to an atlas or other references in order to grasp the book s concepts The peculiar order of sections will guide the student through the sequence of events anatomical structures back and forth from cellular to structural levels depending on the stimulus and response

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available imaging modalities *MRI* Mark A. Brown, Richard C. Semelka, 2003-09-08 This new edition of the most accessible introduction to MRI principles and applications provides understandable yet comprehensive coverage including the latest developments in this fast paced field It offers the only such concise overview of magnetic resonance physics imaging techniques hardware and applications available This Third Edition includes dozens of brand new images to support the text as well as added discussions on 3D imaging real time imaging cardiac imaging and parallel acquisition techniques Clinical protocols have been thoroughly updated and revised to reflect current methodologies

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