Where To Download Osteoarthritis Of The Carpometacarpal Thumb Joint

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This User’s Guide is a resource for investigators and stakeholders who develop and review observational comparative effectiveness research protocols. It explains how to (1) identify key considerations and best practices for research design; (2) build a protocol based on these standards and best practices; and (3) judge the adequacy and completeness of a protocol. Eleven chapters cover all aspects of research design, including: developing study objectives, defining and refining study questions, addressing the heterogeneity of treatment effect, characterizing exposure, selecting a comparator, defining and measuring outcomes, and identifying optimal data sources. Checklists of guidance and key considerations for protocols are provided at the end of each chapter. The User’s Guide was created by researchers affiliated with AHRQ’s Effective Health Care Program, particularly those who participated in AHRQ’s DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews. More more information, please consult the Agency website: www.effectivehealthcare.ahrq.gov

This important reference textbook covers the surgical management of all major orthopaedic and traumatological conditions. The book will act as the major source of education and guidance in surgical practice for surgeons and trainees, especially those preparing for higher surgical examinations and the Board of Orthopaedics and Traumatology examinations within and beyond Europe. The emphasis throughout is on the application of current knowledge and research to technical problems, how to avoid operative problems, and how to salvage complications if they occur. The didactic text is complemented by abundant illustrations that highlight the essentials of each clinical scenario. The authors are all recognized international authorities active at congresses and workshops as well as in universities and hospitals across the world.

Caring for the Painful Thumb - More Than a Splint by Jan Albrecht, an Occupational Therapist and Certified Hand Therapist. It is a teaching tool for patients and therapists. With over 200 color illustrations, it is two books in one: half the book for the right hand and half for left to help patients visualize mobilization and stabilization techniques. Terminology a patient can understand. Textile taping for the painful thumb CMC joint described in detail. 52 sturdy pages, spiral bound. This durable book can be used at the treatment table, or independently by the patient at the completion of therapy. Pages can be copied for handouts.

This classic text has become one of the foundational texts for all modern manual therapists. The fourth edition has been extensively revised by two authors who have worked closely with Geoff Maitland and have added invaluable and up-to-date input in the revision of this new edition.

This book presents exclusive and comprehensive insight into the detailed molecular mechanisms of osteoarthritis (OA) initiation, progression and current advancements in the field. Inputs from clinician scientists, research and expertise offer a complete explanation of the current understanding of the pathogenesis of OA and practice in imaging and treatments strategies. Contributions from leading scientists provide a detailed introduction in the use of biomarkers in clinical research as well as in clinical practice and OA diagnosis. This book further discusses the potential of regenerative therapies and recent advances in cardiovascular and functional capacity on patients
with OA.
This book serves as an anatomic atlas of the nerves that innervate the joints of the human body in a format that also provides technical insight into pathways that both interventional pain management and surgical subspecialists can use to denervate those painful joints when traditional approaches to manage the pain are no longer successful. This book avails the knowledge of how denervation can relieve joint pain available to the many groups of physicians who care for this problem. Each chapter is devoted to a joint and reviews the neural anatomy as it relates to the clinical examination of the patient. Chapters are user friendly and provide details on the indicated nerve blocks and the clinical results of partial joint denervation. Clinical case studies also serve as a helpful guide in each chapter. Extensive intra-operative clinical photographs and photographs from new prosections provide examples to guide those physicians providing care to the patients with joint pain. Joint Denervation: Anatomic Atlas of Surgical Technique should be of interest to surgical subspecialists from Neurosurgery, Plastic Surgery, Hand Surgery, Orthopedic Surgery, Podiatric Foot & Ankle Surgery, and Oral & Maxillofacial Surgeons. It may also interest those physicians trained in Anesthesia, Radiology, and Physical & Rehabilitation Medicine for their evaluation and treatment protocols using hydrodissection, cryoablation and pulsed radiofrequency approaches to pain.

This book contains the full papers presented at the MICCAI 2013 workshop Bio-Imaging and Visualization for Patient-Customized Simulations (MWBIVPCS 2013). MWBIVPCS 2013 brought together researchers representing several fields, such as Biomechanics, Engineering, Medicine, Mathematics, Physics and Statistic. The contributions included in this book present and discuss new trends in those fields, using several methods and techniques, including the finite element method, similarity metrics, optimization processes, graphs, hidden Markov models, sensor calibration, fuzzy logic, data mining, cellular automation, active shape models, template matching and level sets. These serve as tools to address more efficiently different and timely applications involving signal and image acquisition, image processing and analysis, image segmentation, image registration and fusion, computer simulation, image based modelling, simulation and surgical planning, image guided robot assisted surgical and image based diagnosis. This book will appeal to researchers, PhD students and graduate students with multidisciplinary interests related to the areas of medical imaging, image processing and analysis, computer vision, image segmentation, image registration and fusion, scientific data visualization and image based modeling and simulation.

Musculoskeletal Sports and Spine DisordersA Comprehensive GuideSpringer
Evidence-Based Orthopedics is an up-to-date review of the best evidence for the diagnosis, management, and treatment of orthopedic conditions. Covering orthopedic surgery as well as pre- and post-operative complications, this comprehensive guide provides recommendations for implementing evidence-based practice in the clinical setting. Chapters written by leading clinicians and researchers in the field are supported by tables of evidence that summarize systematic reviews and randomized controlled trials. In areas where evidence is insufficient to recommend a practice, summaries of the available research are provided to assist in decision-making. This fully revised new edition reflects the most recent evidence using the approved evidence-based medicine (EBM) guidelines and methodology. The text now places greater emphasis on GRADE—a transparent framework for developing and presenting summaries of
evidence—to allow readers to easily evaluate the quality of evidence and the strength of recommendations. The second edition offers a streamlined presentation and an improved standardized format emphasizing how evidence in each chapter directly affects clinical decisions. Incorporating a vast amount of new evidence, Evidence-Based Orthopedics: Features thoroughly revised and updated content, including a new chapter on pediatric orthopedics and new X-ray images Provides the evidence base for orthopedic surgery as well as pediatric orthopedics and orthopedic conditions requiring medical treatment Covers the different methods for most orthopedic surgical procedures, such as hip replacements, arthroscopy, and knee replacements Helps surgeons and orthopedic specialists achieve a uniform optimum standard through a condition-based approach Aligns with internationally accepted guidelines and best health economic principles Evidence-Based Orthopedics is an invaluable resource for orthopedic specialists, surgeons, trauma surgeons, trainees, and medical students.

In this book, globally renowned orthopedic, plastic, and hand surgeons provide the knowledge required in order to understand and resolve the full range of problems associated with diseases, anomalies, deformities, and trauma of the thumb. The opening section describes the history of “making a thumb” and covers the fundamentals of anatomy, embryology, and functional dynamics. After careful presentation of the surgical procedures for various developmental anomalies of the thumb, subsequent sections focus on the treatment of bone and joint, tendon, and nerve problems encountered in patients with different diseases and injuries. All aspects of the surgical management of benign and malignant tumors of the thumb are then described. The final section is devoted to current and emerging treatments for trauma, including amputation and microsurgical and non-microsurgical reconstruction. The text is supported by superb clinical photographs as well as high-quality schematic drawings and video clips. The book will be of value not only to practicing surgeons but also to residents and medical students.

This quick-reference guide is the first book written specifically for the many third- and fourth-year medical students rotating on an orthopedic surgery service. Organized anatomically, it focuses on the diagnosis and management of the most common pathologic entities. Each chapter covers history, physical examination, imaging, and common diagnoses. For each diagnosis, the book sets out the typical presentation, options for non-operative and operative management, and expected outcomes. Chapters include key illustrations, quick-reference charts, tables, diagrams, and bulleted lists. Each chapter is co-authored by a senior resident or fellow and an established academic physician and is concise enough to be read in two or three hours. Students can read the text from cover to cover to gain a general foundation of knowledge that can be built upon when they begin their rotation, then use specific chapters to review a sub-specialty before starting a new rotation or seeing a patient with a sub-specialty attending. Practical and user-friendly, Orthopedic Surgery Clerkship is the ideal, on-the-spot resource for medical students and practitioners seeking fast facts on diagnosis and management. Its bullet-pointed outline format makes it a perfect quick-reference, and its content breadth covers the most commonly encountered orthopedic problems in practice. A practical manual on the diagnosis and management of hand disorders.

This practical handbook is an essential reference for GPs when dealing with musculoskeletal disorders, as well as a useful exam prep aid for the common MSK cases that occur in the CSA. Responding to increasing pressures on GPs to reduce the number of referrals and treat more patients in the community, the book covers a breadth of orthopaedic disorders, with clear colour photographs and diagrams to demonstrate techniques in practice. Chapters are authored by experts in each disorder with GP input, putting a strong focus on diagnosis and easy-to-follow processes for deciding courses of action and investigation. Each section explores the range of treatment options for that topic, including step-by-step injection
techniques where relevant, and signposts need-to-know areas with ‘red flags’. This is an important reach-for guide to assist GPs with easy diagnosis and to provide clear direction on next recommended steps. It will also be useful for medical students taking orthopaedics modules.

To describe a technique termed Suture Anchor Arthroplasty’ (SAA), for thumb carpometacarpal joint osteoarthritis and to report the clinical results. SAA is a surgical technique similar to Ligament Reconstruction Tendon Interposition’ (LRTI) Arthroplasty, except that the entire flexor carpi radialis tendon is secured to the thumb metacarpal base using suture anchors instead of a bone tunnel. Temporary pin fixation is not used. Seventeen consecutive patients (20 hands) underwent SAA. Patients were assessed with a standardized questionnaire, physical exam, and x-rays at most recent follow-up. At an average follow-up period of 24 months (range 7-74 months), all patients had excellent pain relief. All patients were satisfied with 15 being very satisfied and 2 somewhat satisfied. All patients would have the surgery again if given the choice. Grip strength improved by 68% and key pinch strength increased by 35% compared to preoperative values. Loss of the trapezial space height averaged 28% by radiographs. No suture anchors pulled out and no patients required reoperation.

The most common form of arthritis is osteoarthritis (OA), which most often affects the hip, knee, foot and hand. The degeneration of joint cartilage and changes in underlying bone and supporting tissues such as ligament leads to pain, stiffness, movement problems and activity limitations. This book, containing three major sections in OA research and therapy, is an update of the book Osteoarthritis - Diagnosis, Treatment and Surgery published by InTech in 2012. The authors are experts in the osteoarthritis field, which include biologists, bioengineers, clinicians, and health professionals. The scientific content of the book will be beneficial to patients, students, researchers, educators, physicians, and health care providers who are interested in the recent progress in osteoarthritis research and therapy.

Arthritis pain can be frustrating. And so can sorting through the various available pain relief alternatives. Mayo Clinic is dedicated to helping you live more productively and comfortably with arthritis. The book focuses on osteoarthritis and rheumatoid arthritis, but is equally valuable to people with other forms of arthritis as well. The book relies on the experience of Mayo Clinic physicians, nurses, research scientists, therapists, and other health care professionals, the ultimate aim of which is to promote self-help. This easy to read and understand book offers advice on understanding arthritis, protecting joints, exercising properly, controlling pain, healthful diet and nutrition, traveling with arthritis, and working with arthritis. The nexus between the mind and the body and the impact of emotions, stress, and relaxation is also explored in Mayo Clinic On Arthritis. The gamut of treatments existing for arthritis including medications, surgery, and alternative approaches is listed together with information on the newest treatments trends.

The U.S. healthcare system is in crisis. As Americans, we’re facing serious problems - not only with skyrocketing healthcare costs, but also lack of patient access and inefficient delivery. Despite all the political debates and media coverage on healthcare policy and reform, there is always one glaring omission:
Feedback from the people in the trenches - the doctors and other healthcare professionals who actually provide care to the patients. This book is written from a doctor's perspective, by Alejandro Badia, M.D., F.A.C.S., who didn't want to write this book, but felt he had to because of the incredible problems he sees every day in getting the patient the care they need. As an expert, his treatment plans are constantly second-guessed and obstructed by the system which has a near zero understanding of the problem that the patient faces. It became unbearable for Dr. Badia to continue to practice without calling out what is happening every day, as the norm, and is not the exception anymore. Medicine, once a noble calling, as evidenced by The Hippocratic Oath (Do No Harm), has transformed into an oppressive burdensome system for both doctors and patients. Non-Medical Experts hired by the Insurance Companies with zero medical training, and without any degrees or knowledge (in most cases) are calling the shots and continue to interfere with the doctor-patient relationship, delay and prevent the delivery of care, and present an obstacle to innovations that would improve patient outcomes and reduce overall healthcare costs. This is a life and death matter and people are dying because of this flawed system. Healthcare from the Trenches will give you an in-depth behind the scenes look at our system from a practicing doctors' perspective along with contributors ranging from fellow colleagues to beleaguered patients, who offer their insights and share their personal stories to illustrate the inherent shortcomings in the U.S. healthcare industry as well as proposed solutions.

Every year workers' low-back, hand, and arm problems lead to time away from jobs and reduce the nation's economic productivity. The connection of these problems to workplace activities—from carrying boxes to lifting patients to pounding computer keyboards—is the subject of major disagreements among workers, employers, advocacy groups, and researchers. Musculoskeletal Disorders and the Workplace examines the scientific basis for connecting musculoskeletal disorders with the workplace, considering people, job tasks, and work environments. A multidisciplinary panel draws conclusions about the likelihood of causal links and the effectiveness of various intervention strategies. The panel also offers recommendations for what actions can be considered on the basis of current information and for closing information gaps. This book presents the latest information on the prevalence, incidence, and costs of musculoskeletal disorders and identifies factors that influence injury reporting. It reviews the broad scope of evidence: epidemiological studies of physical and psychosocial variables, basic biology, biomechanics, and physical and behavioral responses to stress. Given the magnitude of the problem—approximately 1 million people miss some work each year—and the current trends in workplace practices, this volume will be a must for advocates for workplace health, policy makers, employers, employees, medical professionals, engineers, lawyers, and labor officials.

Fulfilling the need for an easy-to-use resource on managing musculoskeletal
disorders and sports injuries, this book provides differential diagnostic workups with recommended gold standard evaluations that lead to a simple and accurate diagnosis, followed by first-line treatment options. Organized by five sections - head and neck, upper extremity, lower extremity, abdomen/pelvis with trunk and chest, and cervical, thoracic and lumbosacral spine - chapters present a concise summary and move on to a description of the most common symptoms, etiology, epidemiology and/or common causes if traumatic in nature. The best and most accepted diagnostic tests are illustrated, along with recommended evidence-based medicine and what may be done based on community standards of care. Treatment options will be listed in order of the most conservative to the most aggressive. This complete reference will provide primary care, physiatry, and ER physicians, residents, PA's and students a simple and practical approach for clinical and academic use.

A FULL-COLOR, CASE-BASED PHYSICAL THERAPY ATLAS FOR CLINICIANS AND STUDENTS The Color Atlas of Physical Therapy delivers a high-quality visual presentation of the disorders a physical therapist would most likely encounter in daily practice. Enhanced by more than 1,000 full-color illustrations and concise, evidence-based treatment recommendations, the book features a consistent design that makes information retrieval at the point of care fast and easy. MOST CHAPTERS INCLUDE VITAL INFORMATION SUCH AS: Condition/Disorder Synonyms ICD -9 and 10-CM Codes Preferred Practice Patterns Patient Presentation Key Features: Description Essentials of Diagnosis General Considerations Demographics Clinical Findings: Signs and Symptoms Functional Implications Possible Contributing Causes Differential Diagnosis Functional Goals Means of Confirmation: Laboratory Imaging Findings and Interpretation Treatment: Medications Medical Procedures Referrals Impairments Tests and Measures Intervention Prognosis References Patient Resources

This comprehensive book contains the latest information on diverse biological functions of relaxin and related peptide found since the recent discovery of relaxin receptors. It also describes the evolution of relaxin family peptides and their receptors, molecular mechanisms of ligand/receptor interaction and the analysis of activated signaling pathways.

In this text an interdisciplinary team of specialists in radiology, surgery, and rheumatology presents a practical guide to imaging of the hand. Complete with detailed discussion of the complex anatomy, common diseases, and injuries of the hand, this text covers examination techniques and state-of-the-art imaging modalities, including multilane spiral CR, with 2-D displays and 3-D reconstructions, and contrast-enhanced MRI with multi-channel, phased-array coils. Designed to help clinicians develop the most effective strategies for their patients, Diagnostic Imaging of the Hand provides a systematic approach to understanding each disease, outlining pathogenesis and clinical symptoms according to a graduated diagnostic plan. More than 1,000 crisp, high-quality images and line drawings, summary tables, handy checklists, and a heavily cross-referenced appendix of differential diagnoses make this text an ideal reference for the clinician seeking the most up-to-date information on how to diagnose and treat
disorders of the hand.
Translated from the German by Maquet, P.; Furlong, R.
Arthroplasty of the upper extremity is an established surgical intervention in the management of arthritis of the elbow, wrist and hand. The anatomy, kinematics and demands of the elbow, wrist, thumb CMC, and finger MCP and PIP joints pose unique surgical challenges. Implant design considerations are important in providing a joint that mimics the native joints and maximizes survivorship. However, outcomes are less predictable in these upper extremity joints when compared to the hips and knees. Each joint also carries its own set of potential complications and salvage options for revision and failed arthroplasty. This unique text helps the orthopedic and hand surgeon understand the surgical approaches, unique anatomic considerations, and both the historical and current designs related to each respective joint, enabling the surgeon to better appreciate the benefits and limitations of each arthroplasty. Presenting the current state of the art, the seven sections proceed anatomically from the elbow to the fingers, with each section comprised of three thematic chapters discussing implant design considerations, primary arthroscopy techniques and revision arthroscopy techniques, including non-surgical options for treating these often difficult problems.
This consistent approach, accompanied by plentiful figures, radiographs and intraoperative photos, ensures that this will be a user-friendly resource for orthopedic and hand surgeons, residents and trainees.
This book provides a complete overview of all modalities used for hand and wrist imaging, along with a complete overview of the various disease entities that can be diagnosed. As a state-of-the-art overview of hand and wrist imaging it is a reference work for radiologists, hand surgeons, orthopedists, traumatologists, rheumatologists and internists and their residents in training. The chapters are written by experts in musculoskeletal radiology from various European countries and the USA.
Disorders of the Hand describes the techniques for diagnosis applicable to the various disorders of the hand and how evidence based findings influence clinical practice. Treatment options including surgery are discussed in detail and clinical pearls are given in every chapter. Hand injuries are comprehensively covered in this first of four volumes, while hand reconstruction, nerve compression, inflammation and arthritis, swelling and tumours, congenital hand defects and surgical techniques are included in the book's three sister volumes.
The Social Security Administration (SSA) administers two programs that provide disability benefits: the Social Security Disability Insurance (SSDI) program and the Supplemental Security Income (SSI) program. SSDI provides disability benefits to people (under the full retirement age) who are no longer able to work because of a disabling medical condition. SSI provides income assistance for disabled, blind, and aged people who have limited income and resources regardless of their prior participation in the labor force. Both programs share a common disability determination process administered by SSA and state agencies as well as a common definition of disability for adults: "the inability to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than 12 months." Disabled workers might receive either SSDI benefits or SSI payments, or both, depending on their recent work history and current income and
assets. Disabled workers might also receive benefits from other public programs such as workers’ compensation, which insures against work-related illness or injuries occurring on the job, but those other programs have their own definitions and eligibility criteria. Selected Health Conditions and Likelihood of Improvement with Treatment identifies and defines the professionally accepted, standard measurements of outcomes improvement for medical conditions. This report also identifies specific, long-lasting medical conditions for adults in the categories of mental health disorders, cancers, and musculoskeletal disorders. Specifically, these conditions are disabling for a length of time, but typically don't result in permanently disabling limitations; are responsive to treatment; and after a specific length of time of treatment, improve to the point at which the conditions are no longer disabling.

Publisher’s Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A complete introductory text to musculoskeletal imaging Basic Musculoskeletal Imaging is an engagingly written, comprehensive textbook that addresses the fundamental principles and techniques of general diagnostic and advanced musculoskeletal imaging. In order to be as clinically relevant as possible, the text focuses on the conditions and procedures most often encountered in real-world practice, such as: Upper and lower extremity trauma Axial skeletal trauma Arthritis and infection Tumors Metabolic bone diseases Bone infarct and osteochondrosis Shoulder, knee, spine, elbow, wrist, hip, and ankle MRI You will also find authoritative coverage of: Signs in musculoskeletal imaging The key concepts of using different modalities in musculoskeletal imaging Current advances in musculoskeletal scintigraphy The book is enhanced by superb figures and illustrations, including a four-page full-color insert; "Pearls" that summarize must-know information; and an outstanding introduction to musculoskeletal ultrasound by international experts from France and Brazil. This concise but comprehensive guide covers common procedures in pain management necessary for daily practice, and includes topics on international pain medicine curricula, for example, the American Board of Anesthesiology, World Institute of Pain/Fellow of Interventional Pain Practice, and American Board of Pain Medicine. Treatments for pain are discussed, including nerve blocks (head, neck, back, pelvis and lower extremity). Chapters have a consistent format including high yield points for exams, and questions in the form of case studies. Pain: A Review Guide is aimed at trainees in pain medicine all over the world. This book will also be beneficial to all practitioners who practice pain.

Drawing from the latest research, Treat Your Own Hand and Thumb Osteoarthritis is a friendly manual that offers a simple, yet effective program for those who suffer from hand and thumb osteoarthritis. Illustrated with over 100 step-by-step photographs, readers will find easy-to-follow exercises that are designed to make their hands less stiff, much stronger, more coordinated, and less painful. Perhaps best of all, the exercises can be done in the privacy of one’s home with little cost or equipment - and they take just a few minutes each day to do. Jim Johnson, P.T. is a physical therapist who has spent over twenty-one years treating both inpatients and outpatients with a wide range of pain and mobility problems. He has written many books based completely on published research and controlled trials including The Sixty-Second Motivator, Treat Your Own Rotator Cuff, The 5-Minute Plantar Fasciitis Solution, Treat
Your Own Knee Arthritis, Exercise Beats Depression, Treat Your Own Tennis Elbow, Treat Your Own Achilles Tendinitis, and Treat Your Own Spinal Stenosis. His books have been translated into other languages and thousands of copies have been sold worldwide. Besides working full-time as a clinician in a major teaching hospital and writing books, Jim Johnson is a certified Clinical Instructor by the American Physical Therapy Association and enjoys teaching physical therapy students from all over the United States.

A strong clinical emphasis is present throughout this volume from the first section of commonly presenting problems through to the section addressing problems shared with a range of other clinical sub-specialties.

When a radiological image includes unfamiliar features, how do you decide whether it is normal variation or pathological abnormality? If you decide an abnormality is present, can you make a diagnosis from the image alone? Pearls and Pitfalls in Musculoskeletal Imaging differentiates less common findings or normal variant mimickers from the more common similar appearing diseases, helping you make a quick and accurate diagnosis. Musculoskeletal disorders of the shoulder, upper extremity, pelvis, and lower extremity are described in over 90 cases, highly illustrated with over 300 radiographic, CT, MRI and ultrasound images. Each case follows a standard format: imaging description, importance, typical clinical scenario, differential diagnosis and teaching point, enabling you to locate key information quickly. Pearls and Pitfalls in Musculoskeletal Imaging will help you spot artifacts, mimics and other unusual conditions, enabling you to avoid misdiagnosis and prevent mismanagement. An essential diagnostic tool for radiologists at every level.

This book describes the anatomy and biomechanics of the trapeziometacarpal joint and explains the pathogenesis and treatment of trapeziometacarpal joint osteoarthritis, also known as rhizarthrosis. The discussion of treatment sets out both conservative and surgical approaches, clearly explaining the indications for the various options, as well as their advantages and disadvantages. The trapeziometacarpal joint is a phylogenetically recent articulation that permits the pinching movements of the index finger and thumb so important in daily activities. Degenerative disease involving the trapeziometacarpal joint is an important disabling condition that affects predominantly females over 50 years old. Although a number of treatments are now available, there is no single gold standard. Conservative treatments can control pain yet are unable to halt progression of the articular aging, while none of the surgical solutions employed when conservative treatments prove insufficient can be considered perfect. For example, use of a spacer can restore strength but does not always completely alleviate pain while arthroplasty eradicates pain within a few weeks but cannot restore strength. In thoroughly reviewing the available treatments, this book will enable the practitioner to select the best option for the individual patient.

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