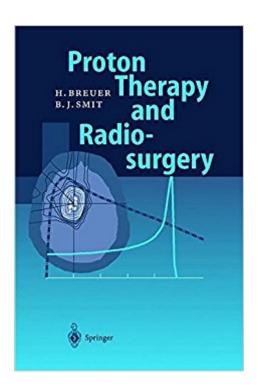


The book was found

Proton Therapy And Radiosurgery





Synopsis

The book is divided into two parts: Part I deals with the relevant physics and planning algorithms of protons (H Breuer) and Part II with the radiobiology, radiopathology and clinical outcomes of proton therapy and a comparison of proton therapy versus photon therapy (BJ Smit). Protons can be used for radiosurgery and general radioÂ- therapy. Since proton therapy was first proposed in 1946 by Wilson, about sixteen facilities have been built globally. Only a very few of these have isocentric beam delivery systems so that proton therapy is really only now in a position to be compared directly by means of randomised clinical trials, with modern photon radiotherapy therapy sysAtems, both for radiosurgery and for general fractionated radiotherapy. Three-dimensional proton planning computer systems with image fusion (image of computerised tomography (CT), magnetic resonance registration) capabilities imaging (MRI), stereotactic angiograms and perhaps positron emission tomography (PET) are essential for accurate proton therapy planning. New planning systems for spot scanning are under development. Many of the older comparisons of the advantageous dose distributions for protons were made with parallel opposing or multiple co-planar field arrangements, which are now largely obsolete. New comparative plans are necessary once more because of the very rapid progress in 3-D conformal planning with photons. New cost-benefit analyÂ- ses may be needed. Low energy (about 70 MeV) proton therapy is eminently suitable for the treatment of eye tumours and has firmly established itself as very useful in this regard.

Book Information

Hardcover: 288 pages

Publisher: Springer; 2000 edition (February 3, 2000)

Language: English

ISBN-10: 3540641009

ISBN-13: 978-3540641001

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #6,392,484 in Books (See Top 100 in Books) #90 in Books > Textbooks >

Medicine & Health Sciences > Medicine > Special Topics > Lasers in Medicine #137 in Books >

Medical Books > Medicine > Lasers in Medicine #2358 in Books > Textbooks > Medicine &

Health Sciences > Medicine > Basic Sciences > Biochemistry

Download to continue reading...

Proton Therapy and Radiosurgery PROTONS versus Prostate Cancer: EXPOSED: Learn what proton beam therapy for prostate cancer is really like from the patient's point of view in complete, uncensored detail. Understanding Physics (Motion, Sound, and Heat / Light, Magnetism, and Electricity / The Electron, Proton, and Neutron) Speech Therapy for Kids: Techniques and Parents Guide for Speech Therapy (speech therapy, speech therapy materials) Oral Radiosurgery: An Illustrated Clinical Guide Shaped Beam Radiosurgery: State of the Art Linac Radiosurgery: A Practical Guide Treating Psychosis: A Clinician's Guide to Integrating Acceptance and Commitment Therapy, Compassion-Focused Therapy, and Mindfulness Approaches within the Cognitive Behavioral Therapy Tradition Light Therapy: Teach Me Everything I Need To Know About Light Therapy In 30 Minutes (Light Therapy - Season Affective Disorder - SAD - Vitamin D) Basic Clinical Massage Therapy: Integrating Anatomy and Treatment Second Edition (LWW Massage Therapy and Bodywork Educational Series) Massage and Manual Therapy for Orthopedic Conditions (LWW Massage Therapy and Bodywork Educational Series) Orthopaedic Manual Therapy Diagnosis: Spine And Temporomandibular Joints (Contemporary Issues in Physical Therapy and Rehabilitation Medicine) Diagnosis and Treatment of the Lower Extremities: Nonoperative Orthopaedic Medicine and Manual Therapy (Nonoperative orthopaedic medicine & manual therapy) Nutrition Essentials and Diet Therapy, 11e (Nutrition Essentials and Diet Therapy (Peckenpau)) Introduction to Massage Therapy (LWW Massage Therapy and Bodywork Educational Series) Epilepsy: Cure - What You Need to Know about Epilepsy: Therapy, Diagnosis, Treatment, Diet, Signs, Symptoms and Medication (Epilepsy Books - Epilepsy Therapy ... Treatment - Epilepsy in children Book 1) Step-by-Step Massage Therapy Protocols for Common Conditions (LWW Massage Therapy and Bodywork Educational Series) Nutrition and Diet Therapy (Nutrition & Diet Therapy) Re-Visioning Family Therapy, Second Edition: Race, Culture, and Gender in Clinical Practice (Revisioning Family Therapy: Race, Culture, & Gender in) Doing Couple Therapy, Second Edition: Craft and Creativity in Work with Intimate Partners (The Guilford Family Therapy)

Contact Us

DMCA

Privacy

FAQ & Help