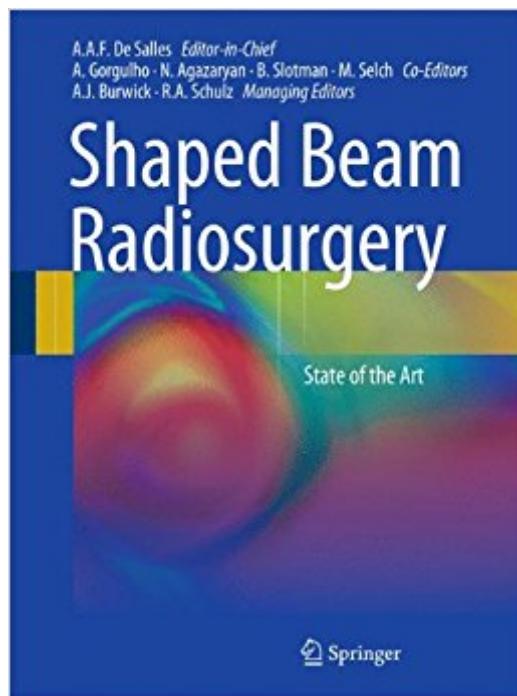


The book was found

# Shaped Beam Radiosurgery: State Of The Art



## Synopsis

Novalis® Shaped Beam Radiosurgery has set new standards by delivering highly precise radiation treatments to tumors anywhere in the body through the use of a proprietary multileaf collimator. By shaping the radiation beam to the exact contours of the tumor or lesion, Novalis permits maximum dose delivery to the entire tumor while protecting healthy tissue; this makes it eminently suitable for the treatment of irregularly shaped tumors. This book provides a complete guide to radiosurgery treatments with Novalis. After a thorough discussion of the clinical and technical basis for Shaped Beam Radiosurgery, current clinical applications are considered in detail, including brain, body, skull base, and spinal tumors as well as arteriovenous malformations. Careful consideration is also given to future developments and applications, including new technologies that promise to offer even more accurate treatments. This state-of-the-art book will appeal to a wide audience of physicians and their multidisciplinary clinical and technical collaborators.

## Book Information

Hardcover: 316 pages

Publisher: Springer; 2011 edition (May 16, 2011)

Language: English

ISBN-10: 3642111505

ISBN-13: 978-3642111501

Product Dimensions: 7.9 x 0.8 x 10.3 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #3,987,054 in Books (See Top 100 in Books) #49 in Books > Textbooks > Medicine & Health Sciences > Medicine > Special Topics > Lasers in Medicine #72 in Books > Medical Books > Medicine > Lasers in Medicine #1203 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Biochemistry

## Customer Reviews

From the reviews: "This text is both an atlas and monograph concerning the use of radiosurgery in brain tumors, functional disorders of the CNS, and Vascular Neurosurgery. I recommend this book to all who are involved in neurosurgery, rad onc, and radiation physics." (Joseph J. Grenier, .com, May, 2014)

Novalis® Shaped Beam Radiosurgery has set new standards by delivering highly precise radiation

treatments to tumors anywhere in the body through the use of a proprietary multileaf collimator. By shaping the radiation beam to the exact contours of the tumor or lesion, Novalis permits maximum dose delivery to the entire tumor while protecting healthy tissue; this makes it eminently suitable for the treatment of irregularly shaped tumors. Novalis features 360° gantry rotation, stereoscopic kV X-ray imaging, and 6D robotic patient positioning. Dose delivery is typically achieved through fixed conformal beams, dynamic conformal arcs, and IMRT, and most brain treatments do not require an invasive head frame. This book provides a complete guide to radiosurgery treatments with Novalis. After a thorough discussion of the clinical and technical basis for Shaped Beam Radiosurgery, current clinical applications are considered in detail, including brain, body, skull base, and spinal tumors as well as arteriovenous malformations. Careful consideration is also given to future developments and applications, including new technologies that promise to offer even more accurate treatments. This state-of-the-art book will appeal to a wide audience of physicians and their multidisciplinary clinical and technical collaborators.

Beam Shaped Radiosurgery  
AAF Desalles MD, UCLA  
Joseph J Grenier MD PhD  
Springer New York  
Berlin Heidelberg  
This text is both an atlas and monograph concerning the use of radiosurgery in brain tumors, functional disorders of the CNS, and Vascular Neurosurgery. Dr. DeSalles reviews the world literature and compares it to his experience at UCLA. Intracranial gliomas, meningiomas, craniopharyngiomas, spinal cord lesions, and other lesions are given good coverage with respect to evidence in the world neurosurgical, and radiation oncology literature. This book uses radiophysics material involving conformal, proton, and electron beams. The disadvantages and advantages of each type of particle beams is discussed. The book downplays the role of proton beam therapy. I recommend this book to all who are involved in neurosurgery, rad onc, and radiation physics.

[Download to continue reading...](#)

Shaped Beam Radiosurgery: State of the Art  
The Floridas: The Sunshine State \* The Alligator State  
\* The Everglade State \* The Orange State \* The Flower State \* The Peninsula State \* The Gulf  
State  
Oral Radiosurgery: An Illustrated Clinical Guide  
Linac Radiosurgery: A Practical Guide  
Proton Therapy and Radiosurgery  
Timber Framing for the Rest of Us: A Guide to Contemporary Post and Beam Construction  
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.  
On a Beam of Light: A Story of Albert Einstein  
Timber Frame Construction: All About Post-and-Beam Building  
Jim Beam Figural Bottles: An Unauthorized Collector's Guide (Schiffer Book for Collectors)  
How to Build with Grid Beam: A Fast, Easy and Affordable System for

Constructing Almost Anything Structural Analysis Using SAP2000: Includes a Real Life Example:  
Moment Envelope of an Indeterminate Beam Laser Beam Combining Methods X-Ray Spectrometry  
in Electron Beam Instruments Beam Dynamics in High Energy Particle Accelerators Cone Beam  
Computed Tomography in Endodontics Interpretation Basics of Cone Beam Computed Tomography  
Cone Beam Computed Tomography: Oral and Maxillofacial Diagnosis and Applications Cone Beam  
CT of the Head and Neck: An Anatomical Atlas Laser Beam Propagation in Nonlinear Optical Media

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)