Brainlab Combines Dynamic Conformal Arcs and Volumetrically Modulated Arc Therapy (VMAT) In Next Gen Cranial Radiosurgery Software

Indication-specific Elements software modules aim to optimize existing treatment processes for stereotactic radiosurgery (SRS)

CHICAGO—Oct. 19, 2015—Brainlab, a global leader in medical technology, will showcase cranial Elements for stereotactic radiosurgery at the 57th annual meeting of the American Society for Therapeutic Radiology and Oncology (ASTRO). Dovetailing with the Society’s 2015 theme, “Technology Meets Patient Care,” Elements provide indication-specific and intelligent workflows for stereotactic radiosurgery that automate the procedure so caregivers can spend more time with patients and less time on technology.

Brainlab has been leading the SRS field for two decades, all the while gaining constructive feedback from clinicians, which has been incorporated into a whole new set of Elements that offer indication-inherent intelligence. With Elements, Brainlab has identified, extracted and refined valuable, clinician-preferred features and benefits from iPlan and developed à la carte modules offered in a wide range of business models.

“We’ve carefully analyzed what keeps good treatments from being perfect treatments,” explains Stefan Vilsmeier, President and CEO, Brainlab. “By focusing each Element on a single clinical indication, we are able to frontload intelligence and streamline processes, re-building from scratch the premier cranial, spine and lung software for radiotherapy. Clinicians can create a wholly personalized suite of Elements to deliver innovative stereotactic radiosurgery.”

Elements Cranial SRS* will become the core treatment software that complements existing workflows and will help overcome challenges and limitations in the industry. This software toolkit will enhance virtually every department’s workflows. Every step of the process, every software screen in Elements SRS will be based on clinical need and user necessity – doctor-patient interaction need not be compromised or shortened by cumbersome technological requirements.

Dynamic conformal arcs have been extremely successful over the past two decades, used to deliver millions of treatments because they are dosimetrically easy to validate and are dosimetrically robust in the planning and delivery process. Nevertheless, the increased flexibility in shaping the dose using VMAT techniques has also become attractive.
“Combining conformal arcs with VMAT offers the best of both worlds,” explains Sean Clark, President, Brainlab, Inc. “Furthermore, Brainlab Elements are offered in different business models including subscriptions. This allows facilities to cost effectively invest in future innovations and capitalize on premium features as they are introduced.”

For more information, visit brainlab.com/elements.

About Brainlab

Brainlab, headquartered in Munich, develops, manufactures and markets software-driven medical technology, enabling access to advanced, less invasive patient treatments.

Core products center on information-guided surgery, radiosurgery, precision radiation therapy, digital operating room integration, and information and knowledge exchange. Brainlab technology powers treatments in radiosurgery and radiotherapy as well as numerous surgical fields including neurosurgery, orthopedic, ENT, CMF, spine and trauma.

Privately held since its formation in 1989, Brainlab has over 9,000 systems installed in about 100 countries. Brainlab employs 1,200 people in 19 offices worldwide, including 300 research & development engineers, who form a crucial part of the product development team. To learn more, visit www.brainlab.com.

*This product is not available for sale and will not be available until all applicable approvals have been obtained.

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