Elekta to Highlight Latest Gamma Knife Surgery Innovations at Annual Neurosurgery Conference

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SAN FRANCISCO, Oct. 15 /PRNewswire/ -- Elekta will showcase updates to its Leksell GammaPlan® 10.0* treatment planning software for Leksell Gamma Knife® and the Extend™ program for Leksell Gamma Knife® Perfexion™ at the 2010 Congress of Neurological Surgeons [1] (CNS) Annual Meeting, October 16-21 at the Moscone Convention Center in San Francisco. The Extend program [2] dramatically broadens the types of cases for which clinicians can use Perfexion.

On the show floor, Elekta booth #109 will feature hands-on demonstrations of Extend, which combines patient-friendly head immobilization technology and stereotactic localization methods to permit hypofractionated Gamma Knife treatments [3] for larger tumors or lesions close to critical structures located in the brain, skull base and other head and neck regions.

Updates to GammaPlan 10.0 [4] include the two optional add-ons Inverse Planning and Convolution. Inverse Planning provides a fast, easy solution for Gamma Knife surgery planning, providing more reliable dose planning. The Convolution add-on is designed to increase confidence in the dose distribution and helps provide the optimum dose for heterogeneities in the skull.

Other meeting highlights

A leader and pioneer in neurosurgical solutions for decades, Elekta also will exhibit products that have set the standard for precision and efficiency in neurosurgical interventions and diagnosis, including:

- Elekta Axesse™, a fully integrated stereotactic system that combines 3D target visualization at time of treatment, 6D sub-millimeter robotic patient positioning and high-resolution beam shaping, making it a versatile treatment system perfectly suited for spine radiosurgery and neuro-oncology.

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Links:
[1] http://www.cns.org/
[2] http://www.elekta.com/extend
[3] http://www.elekta.com/gammaknife
[4] http://www.elekta.com/gammaplan
[5] http://www.bio-medicine.org/medicine-technology-1/Elekta-to-Highlight-Latest-Gamma-Knife-Surgery-Innovations-at-Annual-Neurosurgery-Conference-11794-1/