

XIO TREATMENT PLANNING SYSTEM FROM ELEKTA CMS SOFTWARE OPTIMIZES CLINICAL TREATMENT AT RINECKER PROTON THERAPY CENTER

World-class software enables efficient and routine deployment of leading-edge cancer therapy

MUNICH, Oct, 26 – Since March 2009, more than 60 patients have been treated with proton therapy at the Rinecker Proton Therapy Center (RPTC, Munich, Germany). One of the firsts, a 60-year-old man with prostate cancer, was treated using the technique of Single Proton Pencil Beams (spot scanning) and planned with XiO[®], the industry-leading treatment planning system from Elekta CMS Software.

XiO is a comprehensive treatment planning system that can support a variety of treatment modalities, including 2D, 3D, IMRT, brachytherapy and particle therapy (protons and carbon ions).

The use of proton spot scanning minimizes the need for patient specific beam modifiers that could lead to unnecessary neutron dose. At RPTC, they are innovating treatments with the use of this technique. The delivered individual spots accumulate to a high dose region, which closely encompasses the target volume and minimizes the dose to surrounding organs at risk.

Dr. Jörg Hauffe, CEO of ProHealth AG, which owns RPTC, says planning plays a crucial role in proton spot scanning since a great number of treatment parameters (up to 50,000 spots) have to be managed correctly. “XiO optimizes plans and gives all necessary control to the planner.” Dr. Hauffe’s group calculated a range of deliverable plans which exceeded their expectations.

The collaboration between RPTC and Elekta CMS Software recently led to the latest version of XiO proton software where a deliverable plan is optimized, reviewed and validated on a single system. Dr. Hauffe further commented: “With the current release we are planning more efficiently and are now in the position to plan the treatment of more complex cases, including the head and neck region.”

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About Elekta

Elekta is a human care company pioneering significant innovations and clinical solutions for treating cancer and brain disorders. The company develops sophisticated, state-of-the-art tools and treatment planning systems for radiation therapy and radiosurgery, as well as workflow enhancing software systems across the spectrum of cancer care.

Stretching the boundaries of science and technology, providing intelligent and resource-efficient solutions that offer confidence to both healthcare providers and patients, Elekta aims to improve, prolong and even save patient lives, making the future possible today.

Today, Elekta solutions in oncology and neurosurgery are used in over 5,000 hospitals globally, and every day more than 100,000 patients receive diagnosis, treatment or follow-up with the help of a solution from the Elekta Group.

Elekta employs around 2,500 employees globally. The corporate headquarter is located in Stockholm, Sweden, and the company is listed on the Nordic Exchange under the ticker EKTA. For more information about Elekta, visit www.elekta.com.