

GERMAN CANCER PATIENTS ARE THE FIRST TO GET NUCLETRON'S MOST ADVANCED, FAST VMAT RADIATION TREATMENT

Cancer patients at the University Hospital Regensburg, Germany are among the first in the world to receive treatment with Nucletron's Oncentra VMAT®. Oncentra VMAT is a truly independent and fully open rotational planning solution within the Oncentra external beam treatment planning system, which supports image-guided photon, electron and proton treatment delivery. The open and flexible architecture provides independence and allows for the fastest calculation times when creating VMAT plans for any brand of linac. Patients benefit from treatments that are shorter in duration with a radiation dose that is targeted with unprecedented precision.

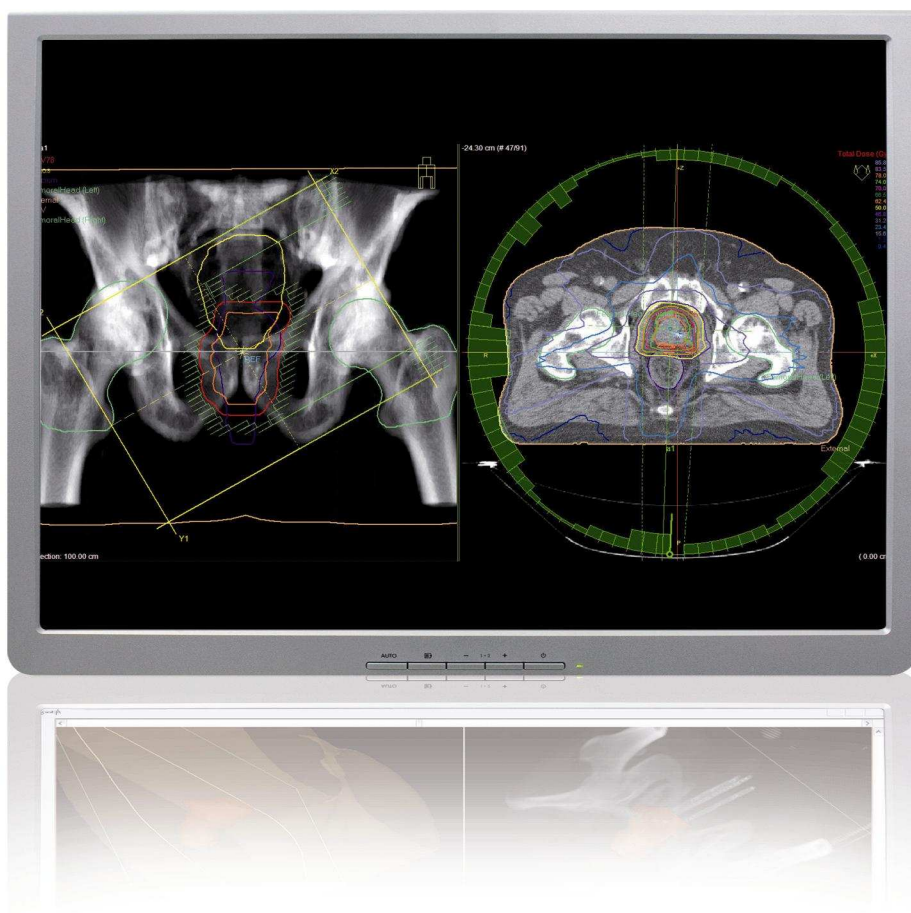
A major trend in cancer treatment is the increasing accuracy with which radiation therapy is delivered to the tumour. For patients, precision is the key to the effective elimination of cancer cells, whilst avoiding damage to surrounding healthy tissue. The University Hospital Regensburg is the first centre in Germany to treat patients with Oncentra VMAT. Volumetric Modulated Arc Therapy (VMAT) is the next logical step forward from IMRT (Intensity Modulated Radiation Therapy), the predecessor of VMAT and already a highly advanced technique. Nucletron's new system, Oncentra VMAT, offers equal, if not better, plan quality with shorter treatment times, delivering treatment three to eight times faster, depending on the location of the tumour, and for clinics using either Varian or Elekta accelerators, it offers next generation planning capability, including support for single arc, dual arc and skip arc techniques.

Jos Lamers, Chief Executive Officer, Nucletron, comments, *"The recent addition to the Oncentra Treatment Planning System, enabling volumetric modulated arc therapy, reinforces the multi-modality planning capability of Oncentra which includes brachytherapy and external beam treatments as well."*

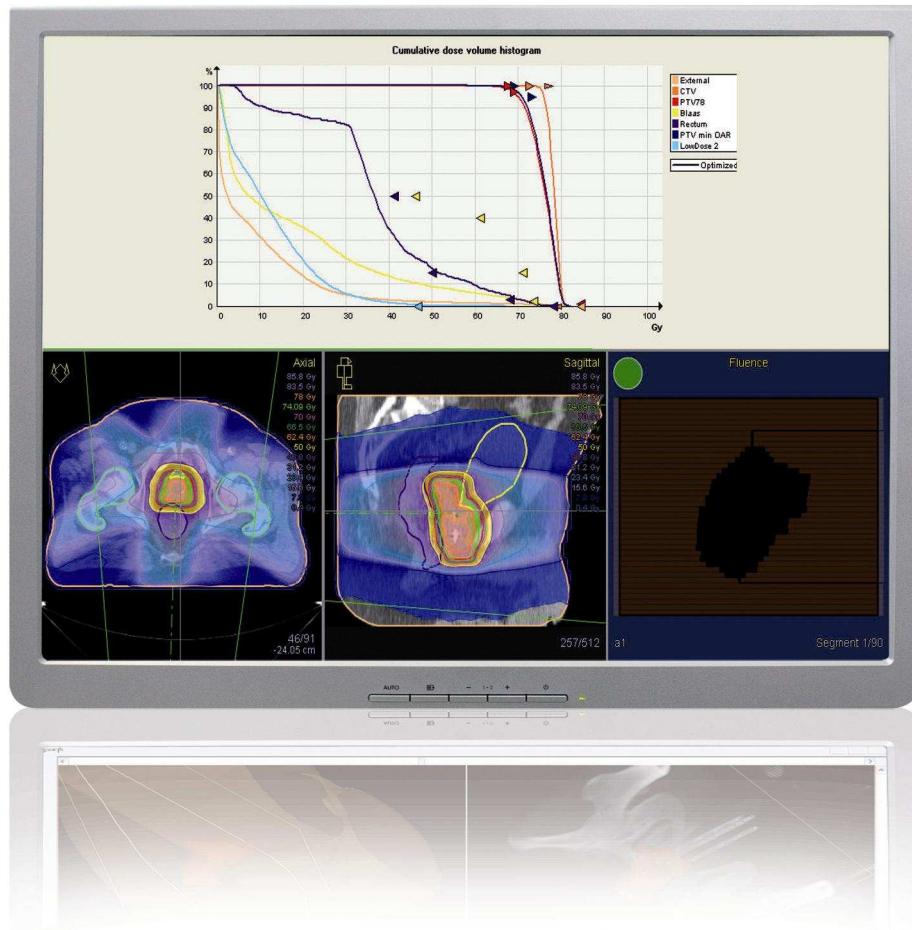
The University Hospital Regensburg (UHR) is the only University Hospital and Academic Medical Centre in Eastern Bavaria, a region with approximately two million inhabitants. About 29,000 in-patients and 80,000 out-patients are treated every year. The Department of Radiation Therapy treats around 1200 patients per year on three linear accelerators and one after-loading device. The UHR has become the most efficient tertiary health care provider in Germany, with its medical equipment continuously upgraded to meet the every-increasing demands.

Professor Dr. Kölbl, Head of the Department of Radiation Therapy at the Hospital comments, *"Naturally our aim is to give cancer patients the very best and most effective cancer treatment possible. As a leading academic hospital, as well as a training institute for professionals, our standards are high and we embrace the progress that technological advancement offers us, while still critically evaluating new treatment options when they are released to the market."*

Since the Cancer Centre at UHR went live, Oncentra VMAT is now being used to treat patients at three additional European hospitals including Uppsala Akademiska Hospital in Uppsala, Sweden, Freiburg University Clinic in Freiburg, Germany, and Ospedale di Lecco in Lecco, Italy.



VMAT plan after optimisation displays Monitor Units for all gantry angles in one simple view.



Users can interactively adjust dose volume objectives during optimisation