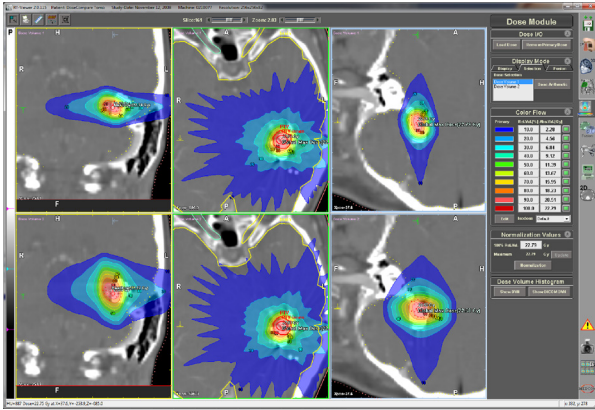
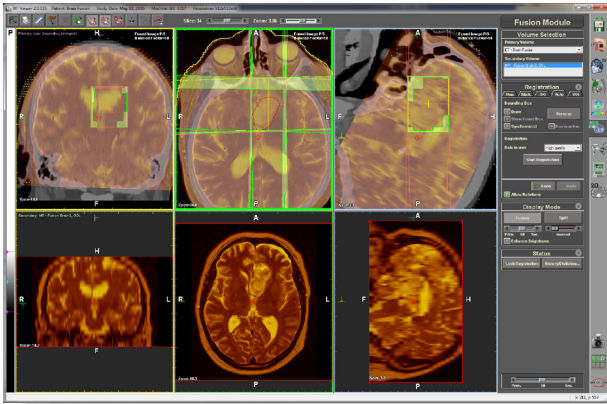


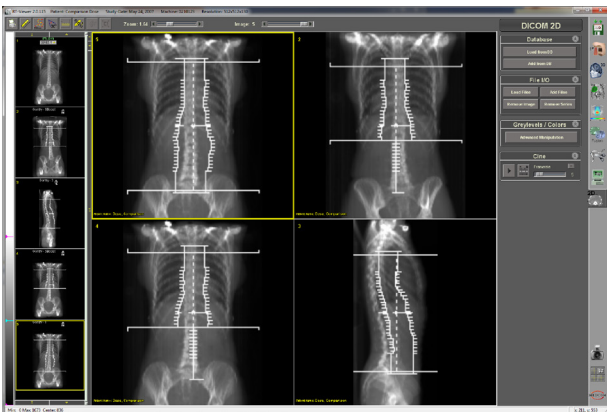
Application Examples:



Side by side dose comparison



Fusion Mode



2D RT-Image review



visions. innovations. solutions.

MedCom, founded in 1997, provides a range of innovative solutions around the cancer treatment. The company operates mainly as OEM manufacturer and provides

- RT-Imaging & RT-PACS solutions
- RTP systems for Brachytherapy (HDR & Seeds) & teletherapy (LINACS)
- Patient positioning for Protons/ Heavy Ions
- Interventional Navigation systems
- Telemedicine for specific applications



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Internet: www.medcom-online.de

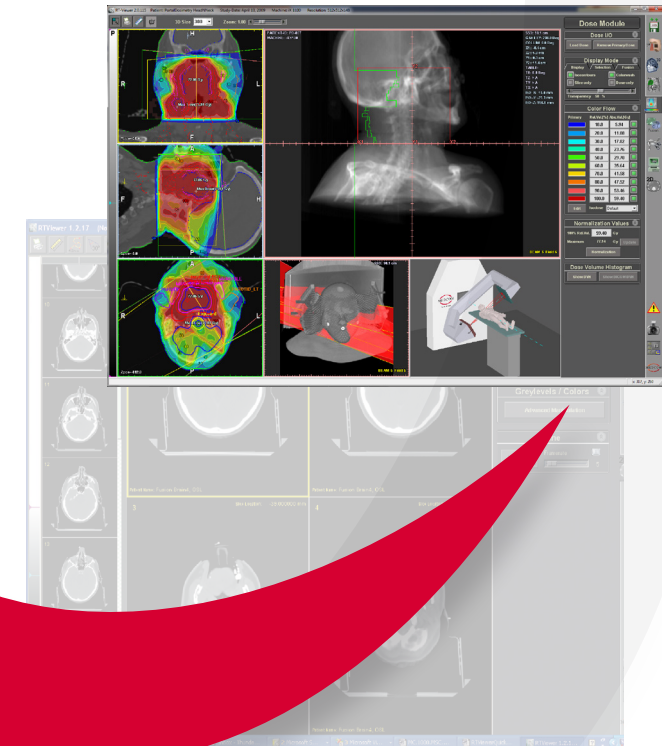
Certificates:

Quality Management System according to the provisions of Medical Device Directive MDD 93/42 Annex EEC II for manufacturers of medical devices in the European economic area. This QM System fulfills the international standard DIN EN ISO 13485:2003

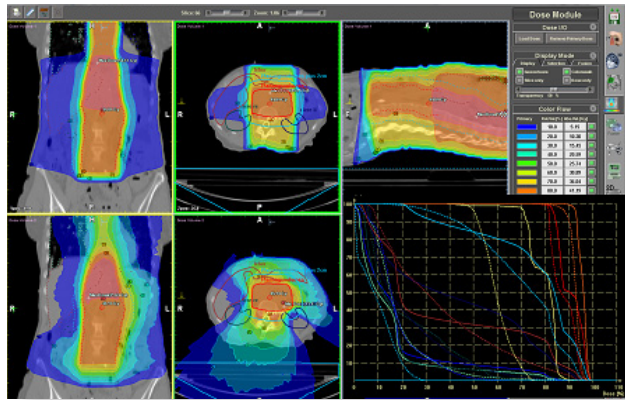
MedCom

RT-Viewer / RT-PACS

Management



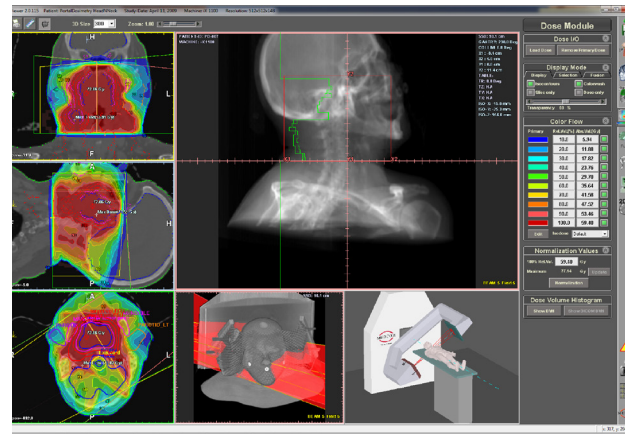
MedCom's system bundling an RT-Viewer and an RT-PACS database server fills the gap between treatment planning systems and full scale hospital PACS by providing locally reviewing and archiving capabilities dedicated to the needs of a radiotherapy department.



Dose Comparison of different treatment devices

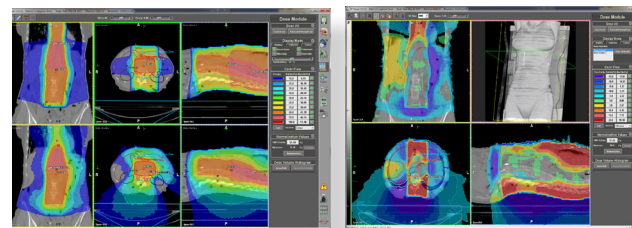
RT-Viewer is dedicated to review all 2D, 3D or 4D oncology data generated within a radiotherapy department like DICOM-3 images (CT, MRI, PET...), RT-DOSE, RT-PLAN and RT-STRUCT.

- RT-PLAN & Beam Review
- RT-STRUCT (contours)
- Display of 3D RT-DOSE
- Dose comparison of different treatment devices & techniques, fractions, etc.
- Plan/Dose comparison as overlay, difference, side-to-side
- Multimodal 3D Fusion: Registration of 2nd modality over the planning CT
- 4D CT support



Review of Beam Geometry

The local RT-PACS server supports full-range standard DICOM networking and may be bi-directionally queried from any other system (like CT/MRI, TPS, PACS, viewer etc.) using the DICOM Query/Retrieve or Send protocol. The server stores patient data & images, either via file system or via DICOM query retrieve network option from any PACS within the hospital. All usual radiology DICOM-3 data like X-Rays, CT/MR, Secondary Capture are supported. Besides, MedCom's RT-PACS is storing all types of DICOM-RT data such as RT-PLAN, RT-STRUCT, RT-DOSE etc. under the same patient entry and provide them as a reply to a DICOM Query/Retrieve request.



Dose comparison: Side by side (left) and Differential Display (right)

Last, all types of external documents can be converted to DICOM format and stored within the same database with all other patient data.

- Local DICOM-3 und DIRCOM-RT Database-Server
- DICOM-network: bi-directional access to all DICOM-enabled devices, systems and PACS
- RT-network: Access on RT-PACS Server from any Windows-PC running RT-Viewer (clients)
- Conversion of any external MS-OFFICE document (doc, pdf, xls, images etc.) as DICOM-object and integration within the database

