



RayStation Doctor

Advanced smart tools in
multimodality segmentation
and evaluation for Radiotherapy
and Nuclear Medicine

**CUSTOMIZE YOUR SYSTEM
ACCORDING TO YOUR NEEDS**

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IMPROVE YOUR WORKFLOW

PRE-PLANNING

RayAnatomy

- Deep Learning
- Rigid Registration
- Target volume creation

RayDeformable

- Deformable Registration
- QA TC 132

POST-PLANNING

RayEvaluation

- Advanced evaluation tools
- EQD2 (2 GY equivalent dose computation)
- Dose comparison
- Radiomics tools

RayDeformable

- Mapping and accumulation of dose between the CT
- Tools for dose cumulation

ADAPTIVE THERAPY

RayTracker

- Synthetic CT
- Dose accumulation
- Comparison between dose calculated and dose delivered
- Secondary Dose Calculation





POST-PLANNING



RayEvaluation includes an advanced virtual simulation console and a complete evaluation platform, including clinical goals and customizable tools for plan validation

The module consist of Radiomics, 2 Gy equivalent dose computation (EQD2) and robust evaluation of treatment plans, allowing the complete management of Pre-Planning and Post-Planning workflow.

- Dose comparison and weighted summation of imported doses from any other system
- Simulated organ motion
- Powerful scripting tool
- Radiobiological indices:
 - NTCP (Normal Tissue Complication Probability)
 - TCP (Tumor Control Probability)

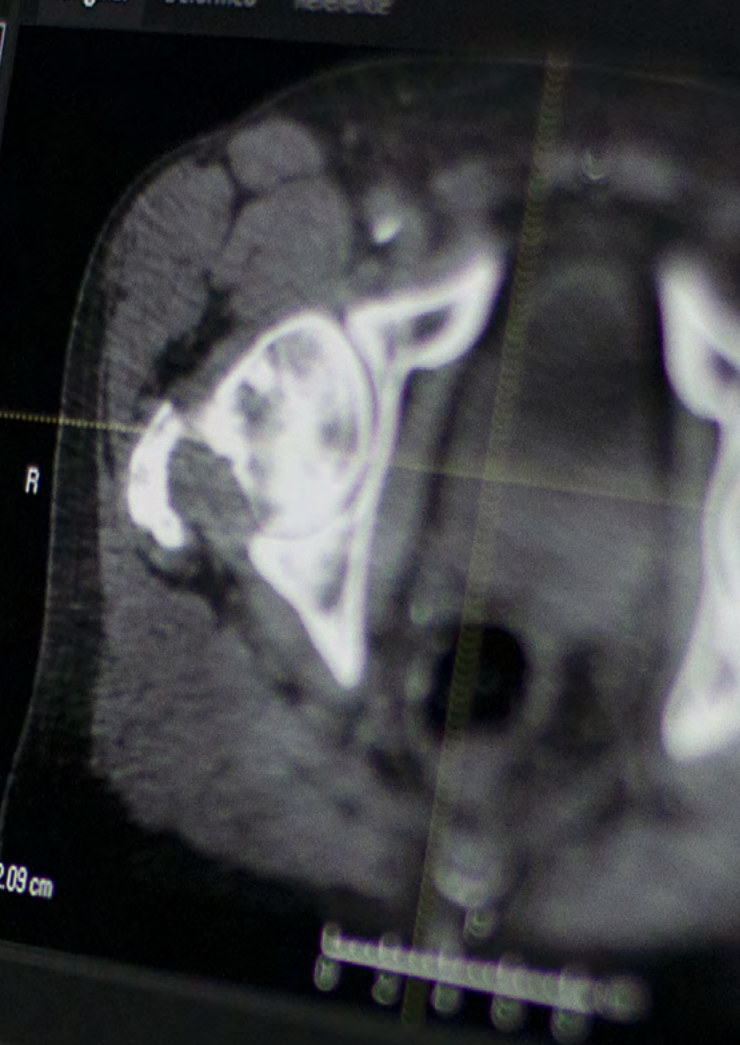
ADAPTIVE THERAPY

RayTracker integrates in a single platform the secondary dose calculation with Monte Carlo algorithm

This includes as well as the ability to generate Synthetic CT from daily CBCT with FOV (Field of View) reconstruction functions for more accurate calculation and lower uncertainty in dose accumulation for Adaptive Therapy.

- CBCT True calculation
- Compute daily fraction
- Dose comparison between dose calculated and dose delivered

Original Deformed Reference



Upgrades the system to MC and CC
Algorithm dose calculation, getting the
whole workflow **on one platform**



Raystation TPS

ALL INCLUDED ON ONE PLATFORM

**THE
GAME
CHANGER**

Lungo Dora Voghera,
36/A10153 Torino
Tel 011 660 0101
info@tecnologieavanzate.com
www.tecnologieavanzate.com

