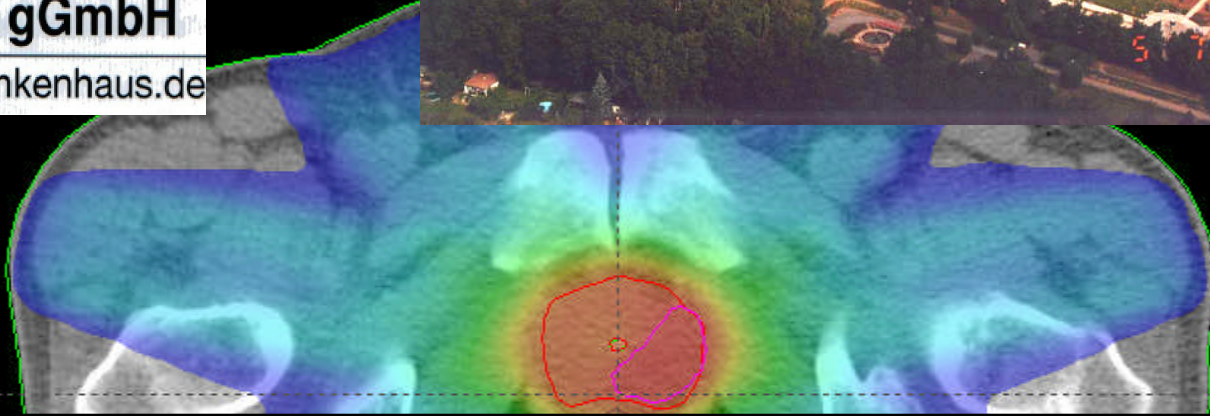




**Südharz-Krankenhaus
Nordhausen gGmbH**

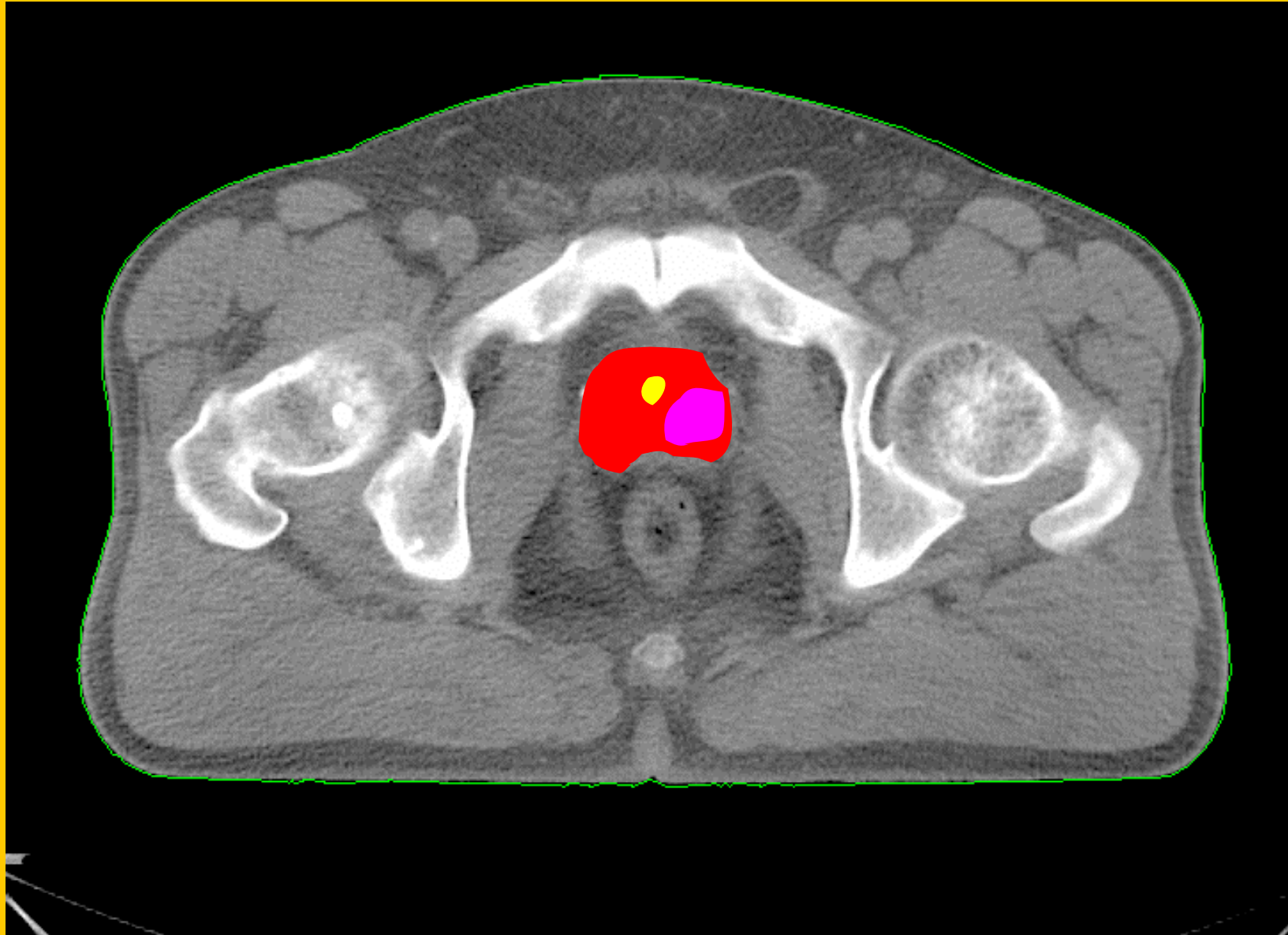
www.suedharzkrankenhaus.de



„Dose painting“ bei der IMRT-Prostatabestrahlung

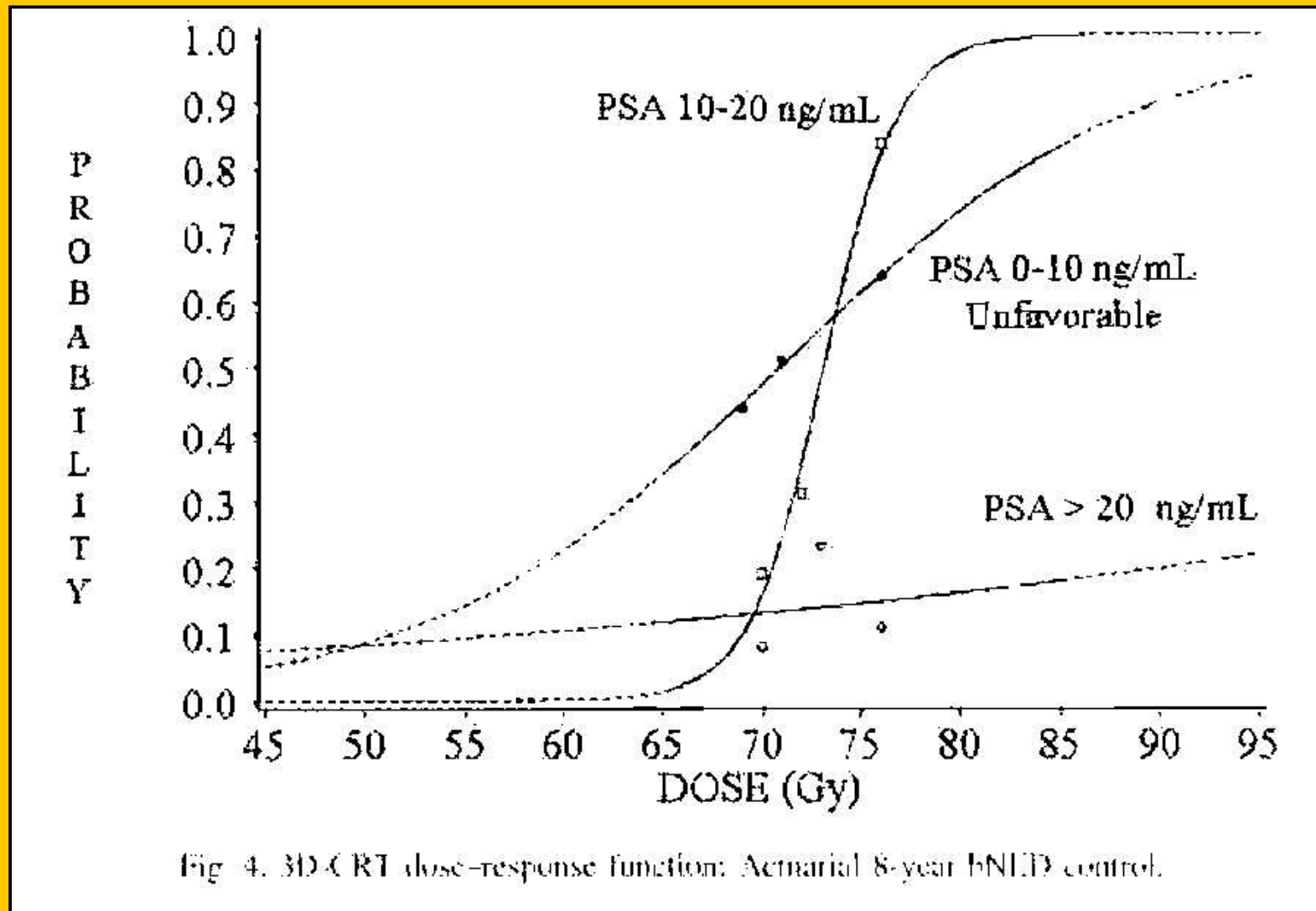


„Dose painting“



Prostata

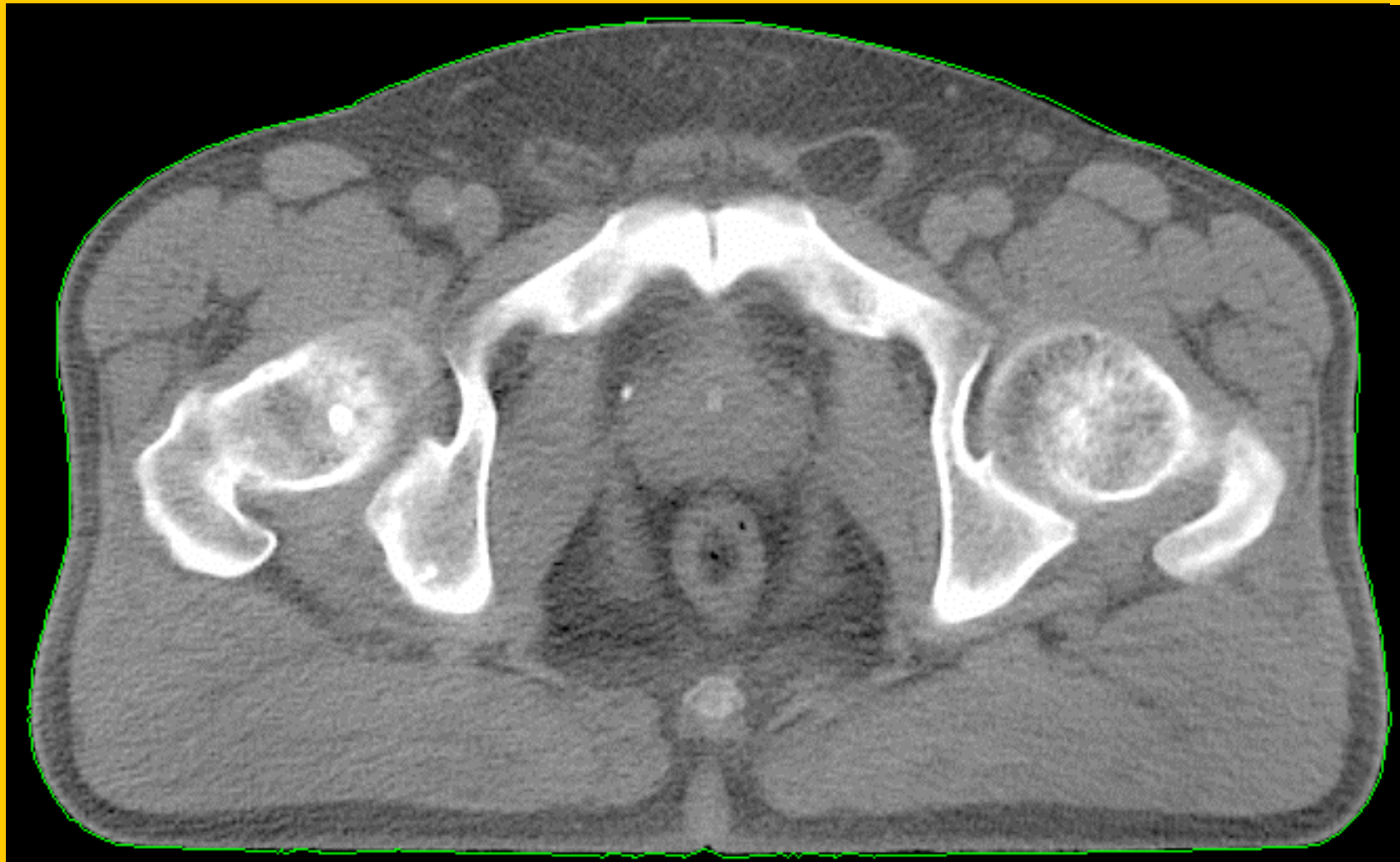
Dosis-Effekt-Kurven für verschiedene PSA Gruppen

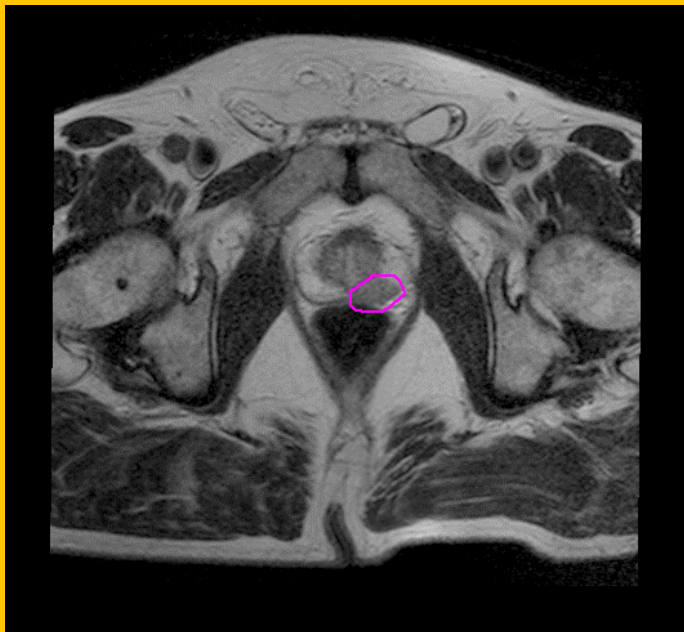


Klinik für Radioonkologie und Strahlentherapie Südharz-Krankenhaus Nordhausen

Beispiel für die Konturierung

PTV Rectum Blase Urethra GTV





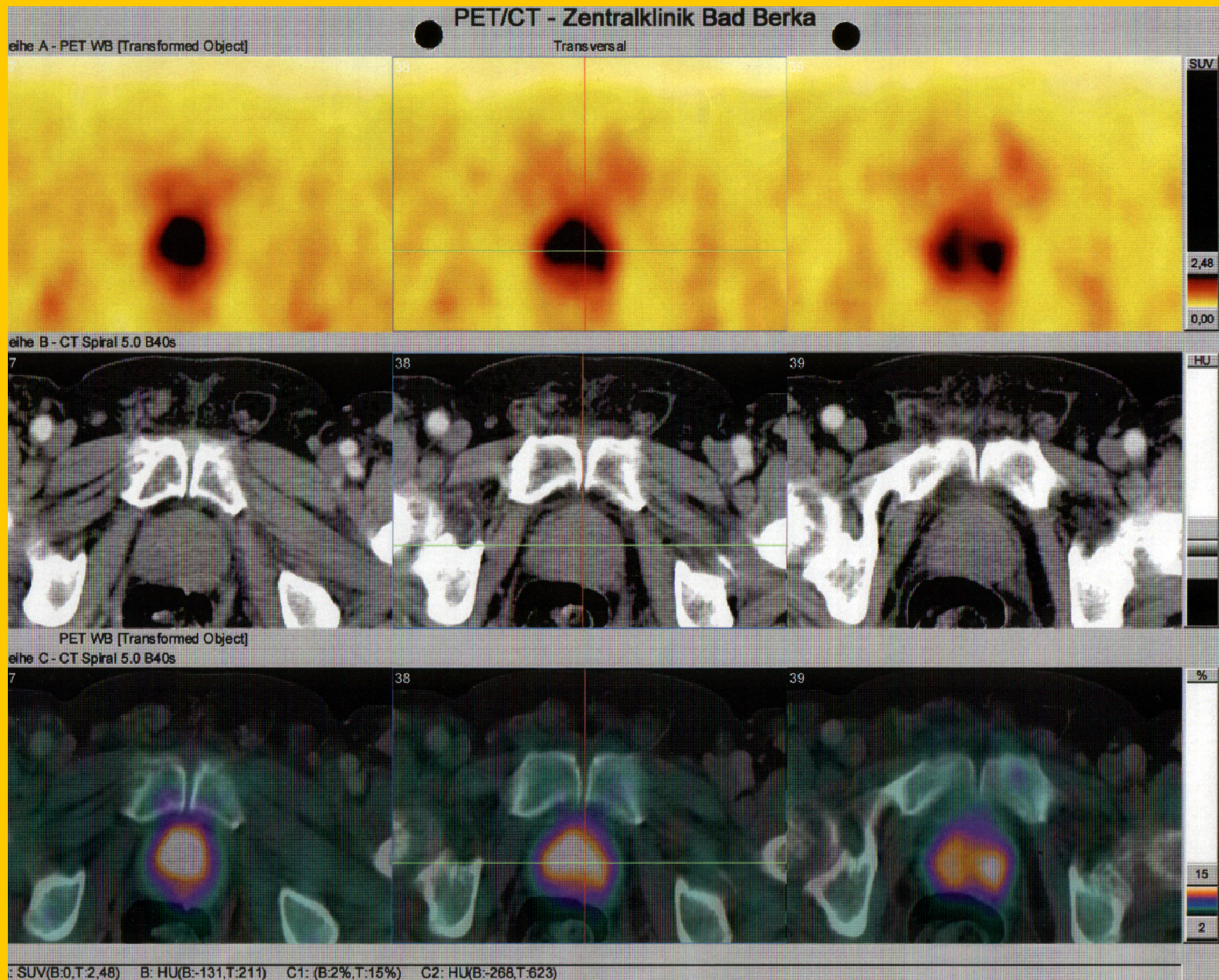
M
R
T

Z
U
R

G
T
V

F
I
N
D
U
N
G

PET / CT

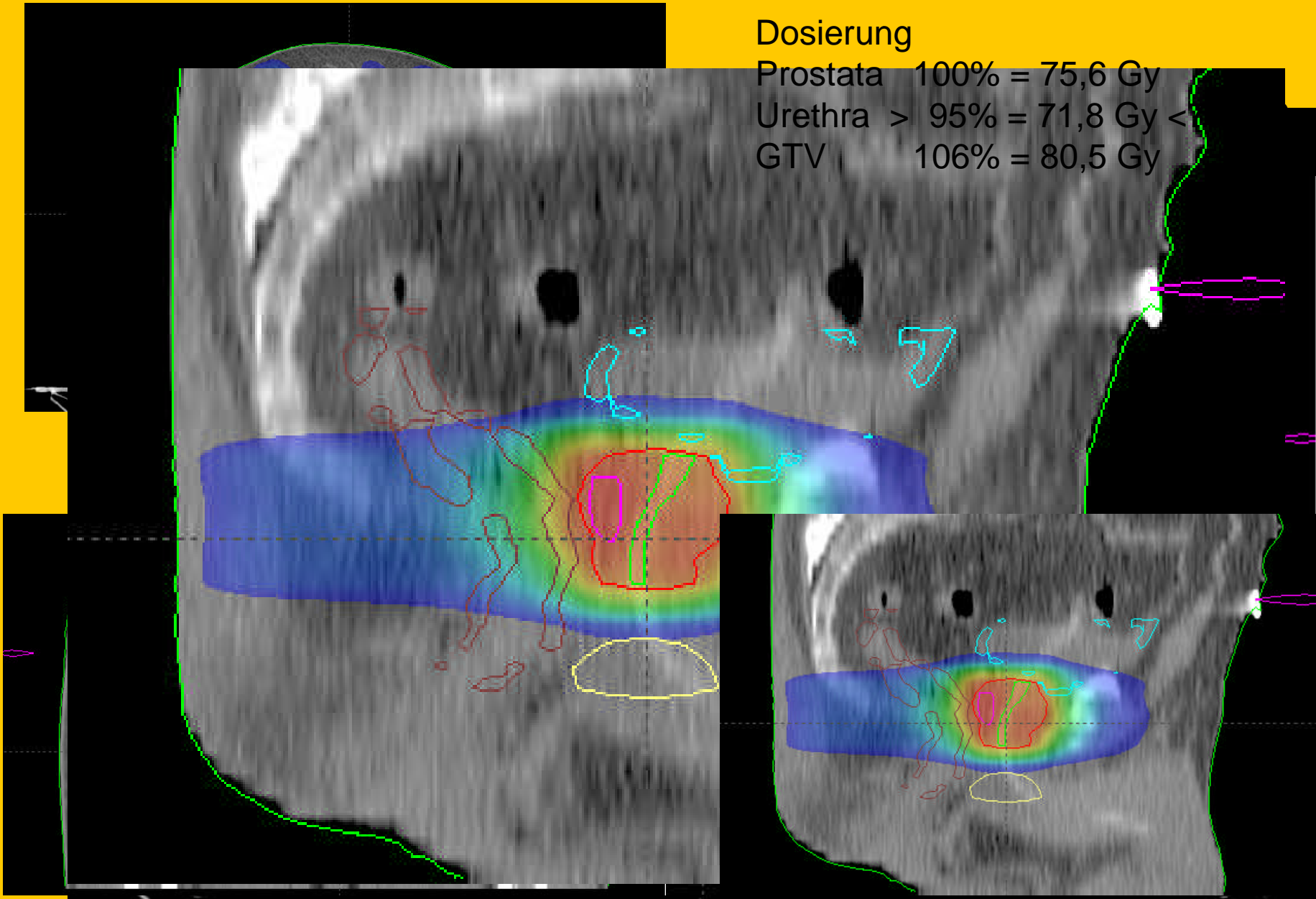


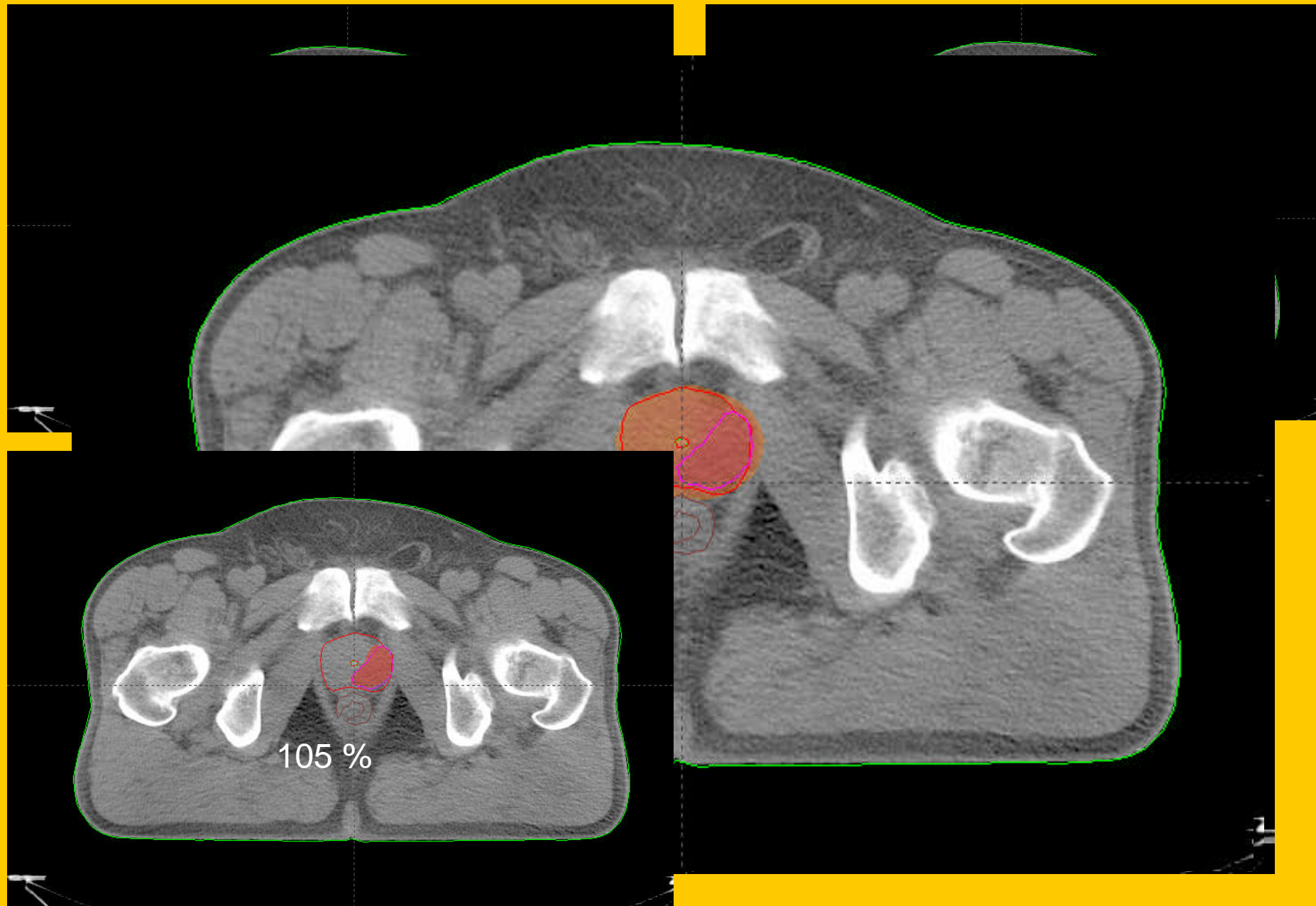
Dosierung

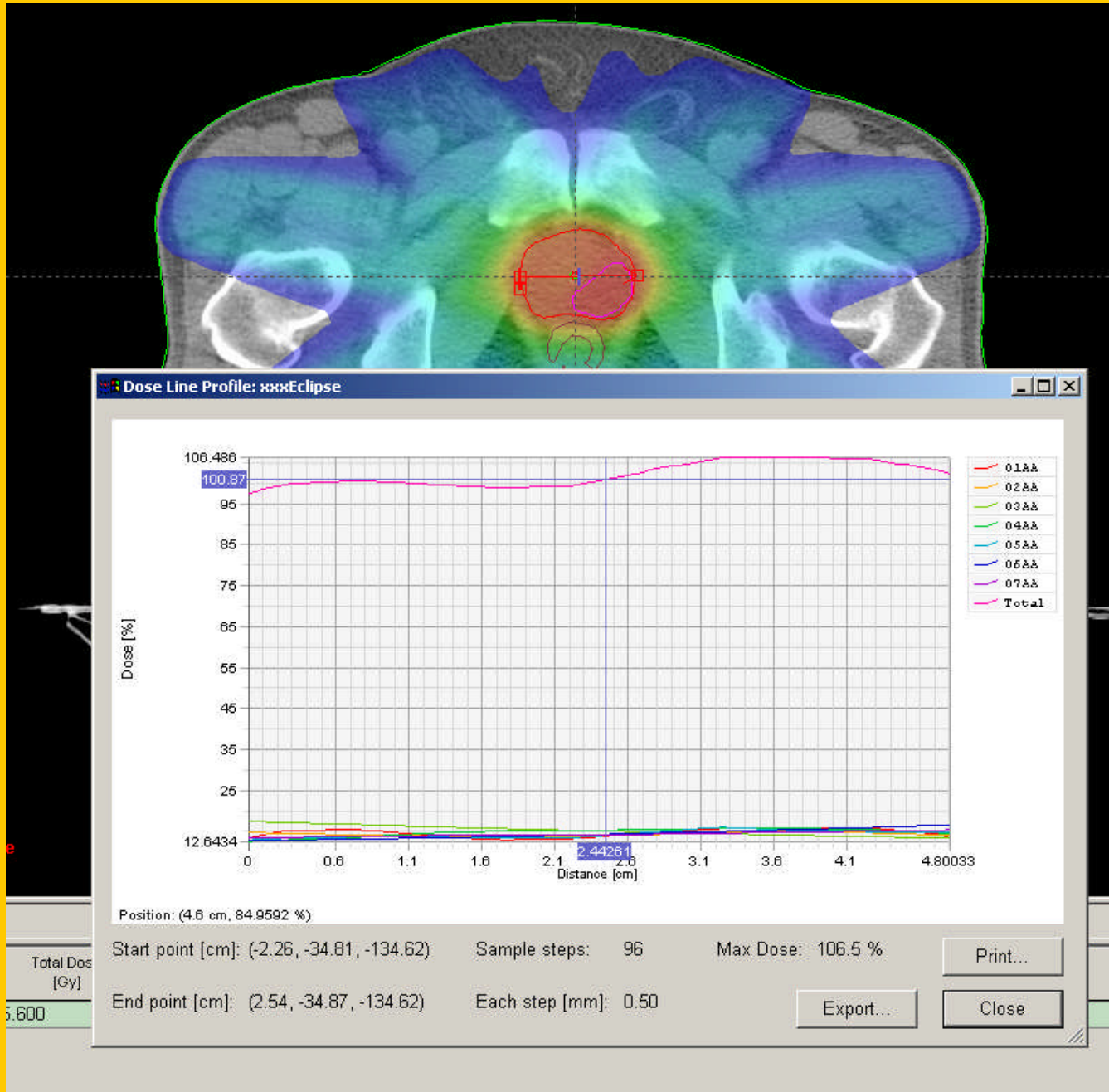
Prostata 100% = 75,6 Gy

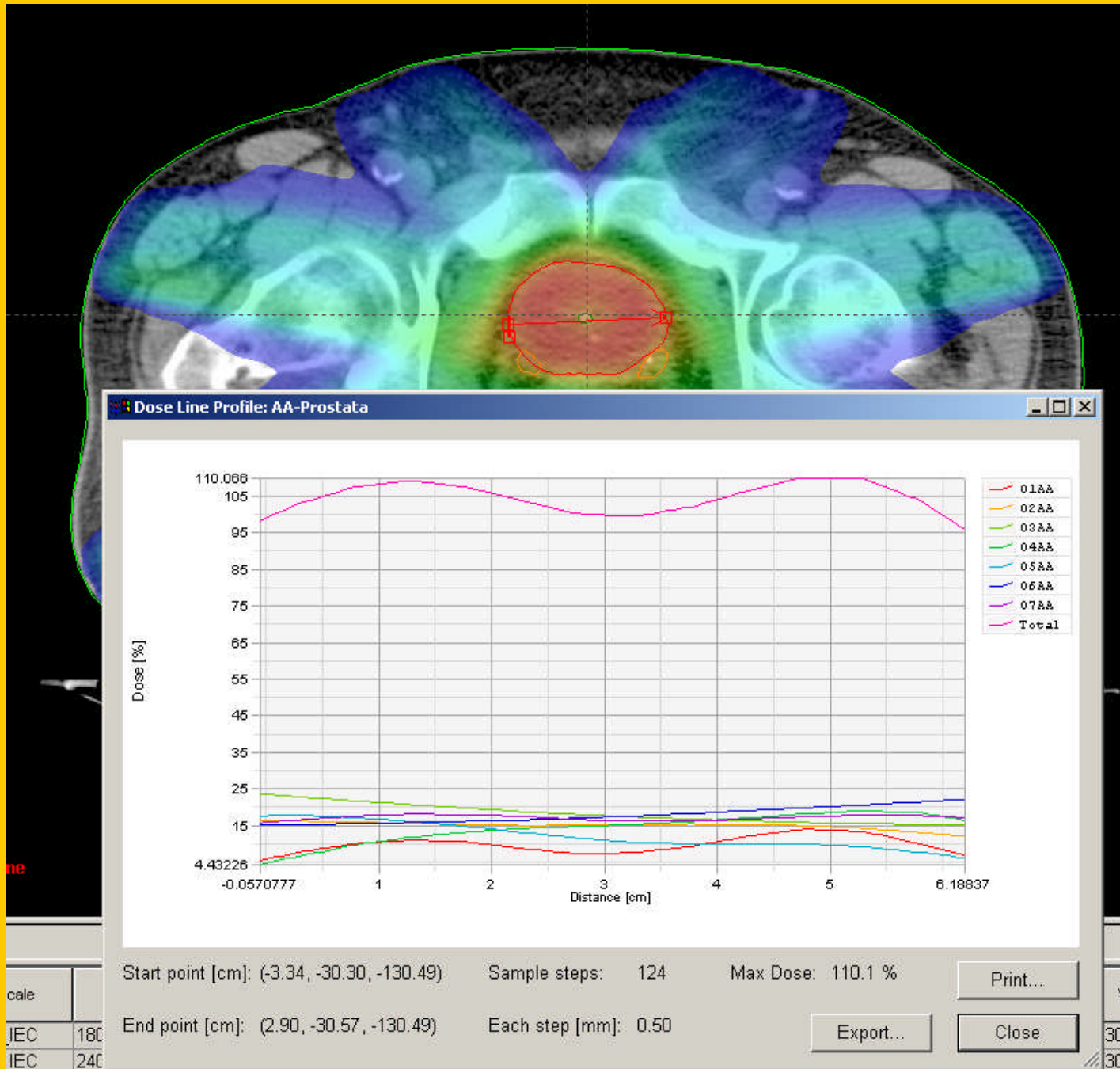
Urethra > 95% = 71,8 Gy

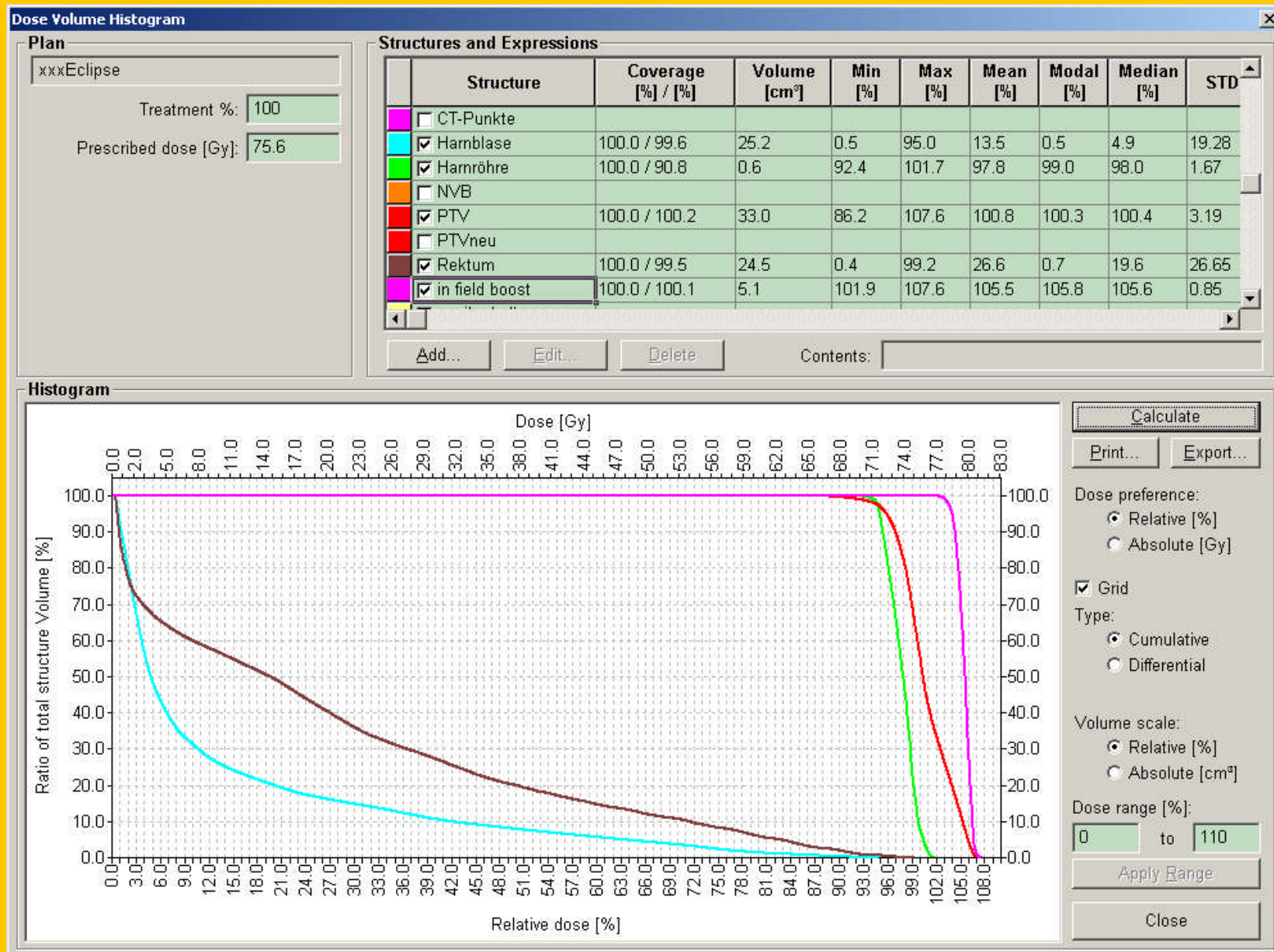
GTV 106% = 80,5 Gy





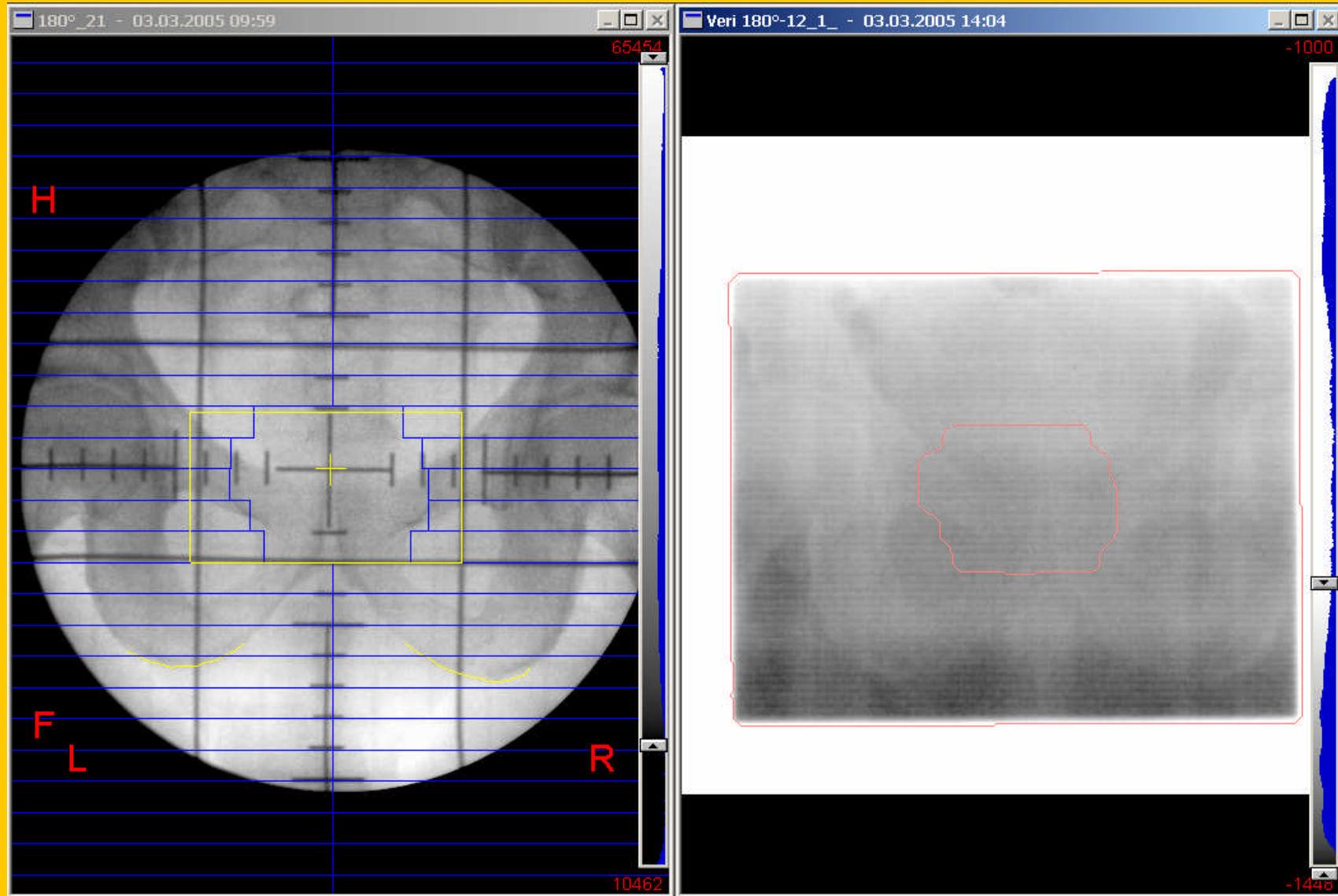






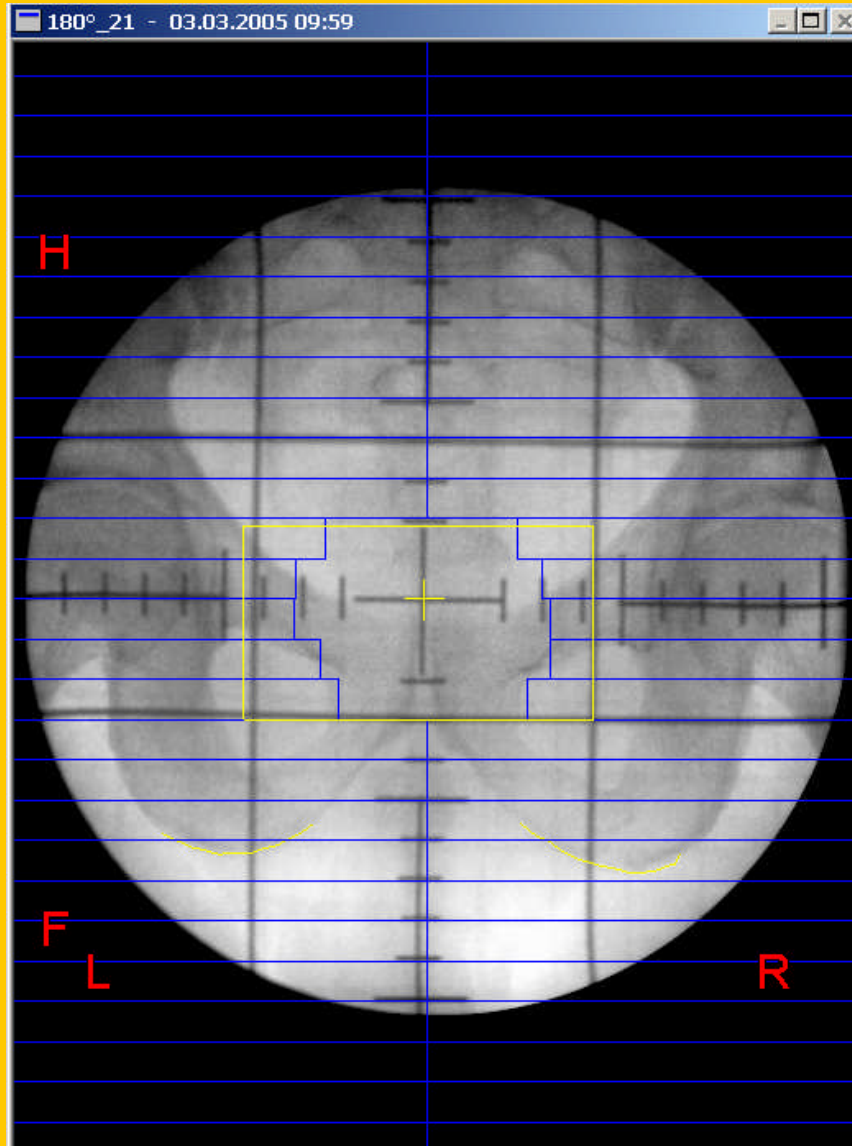
Simulationsimage

PV Image vor der Bestrahlung



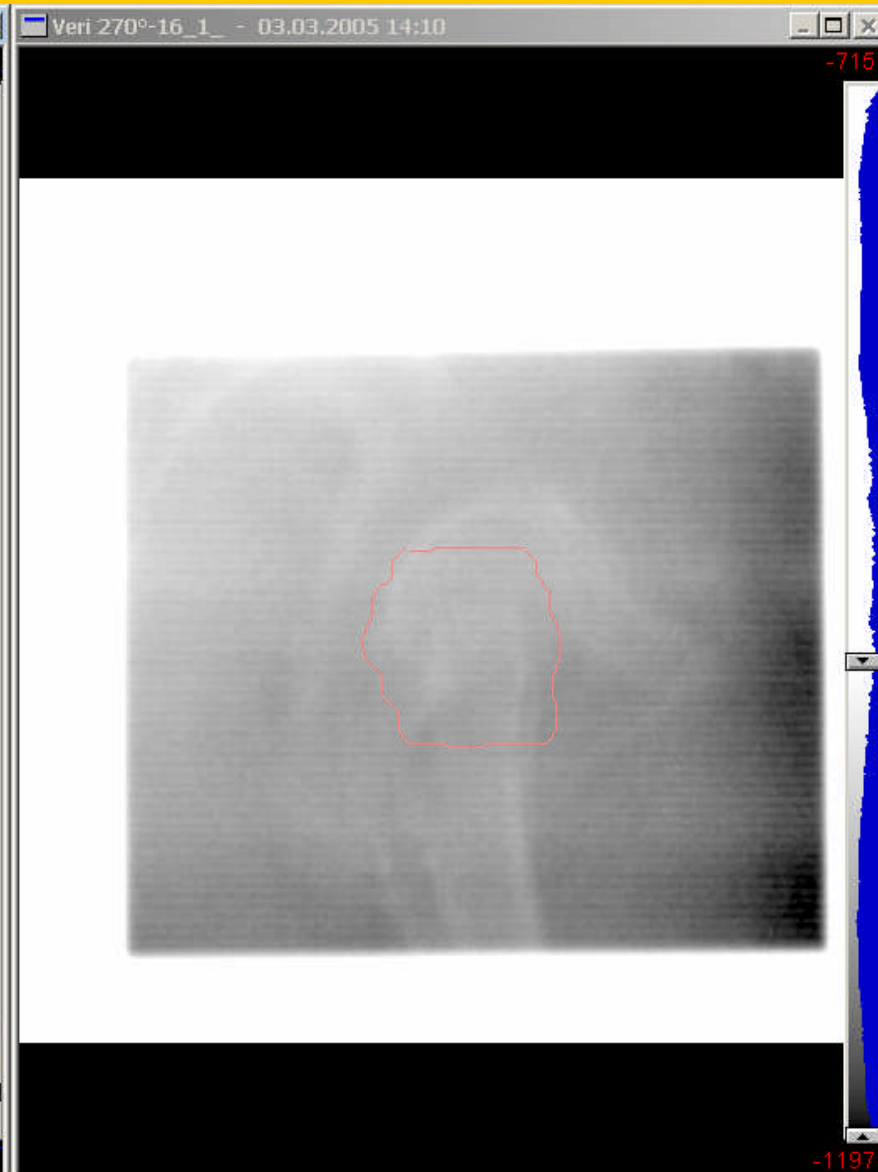
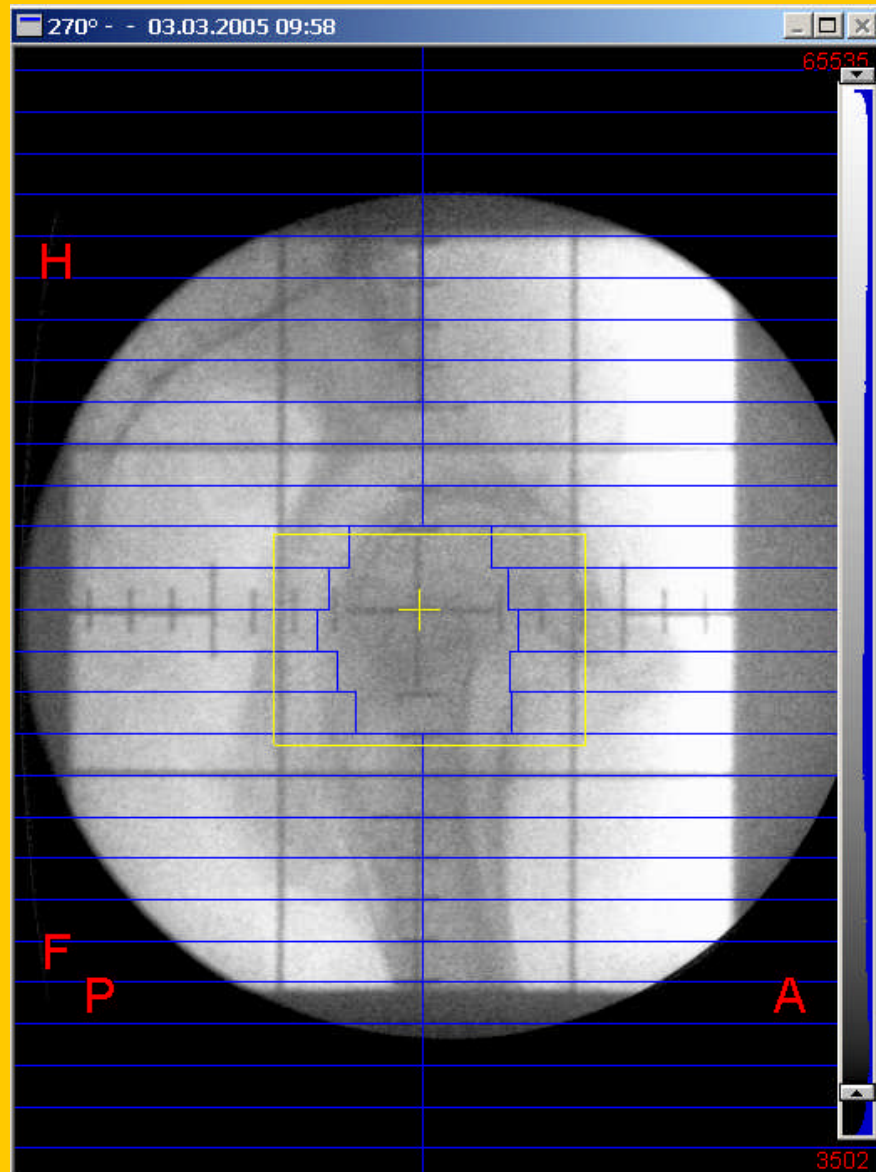
Simulationsimage

PV Image nach der Bestrahlung



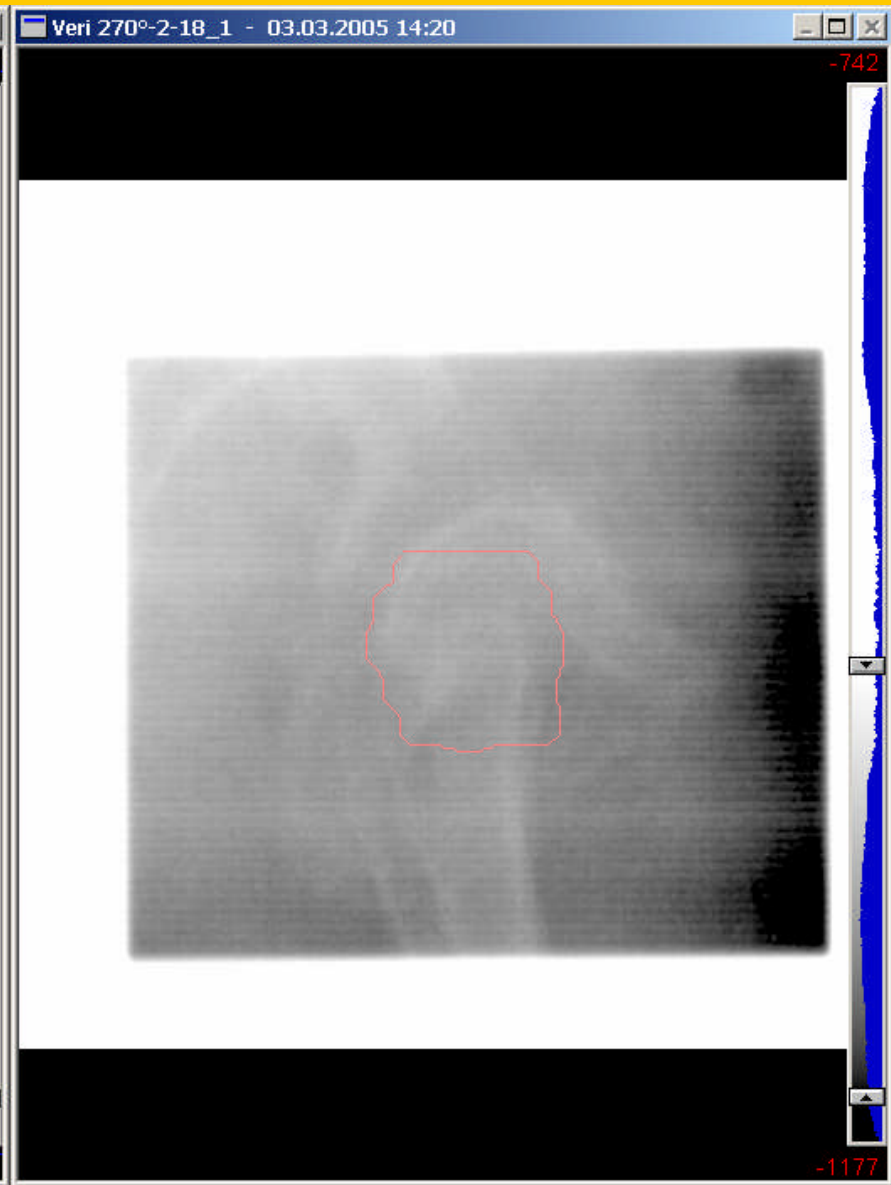
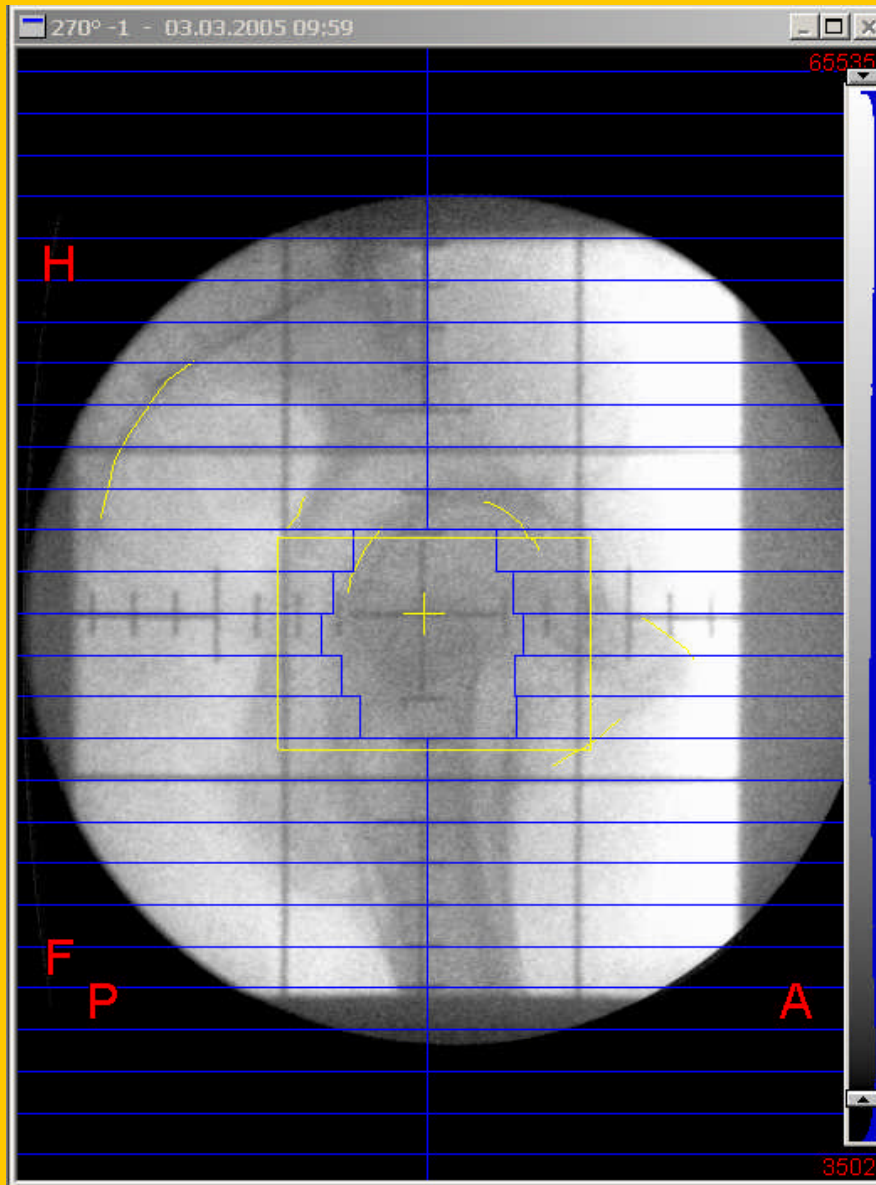
Simulationsimage

PV Image vor der Bestrahlung



Simulationsimage

PV Image nach der Bestrahlung

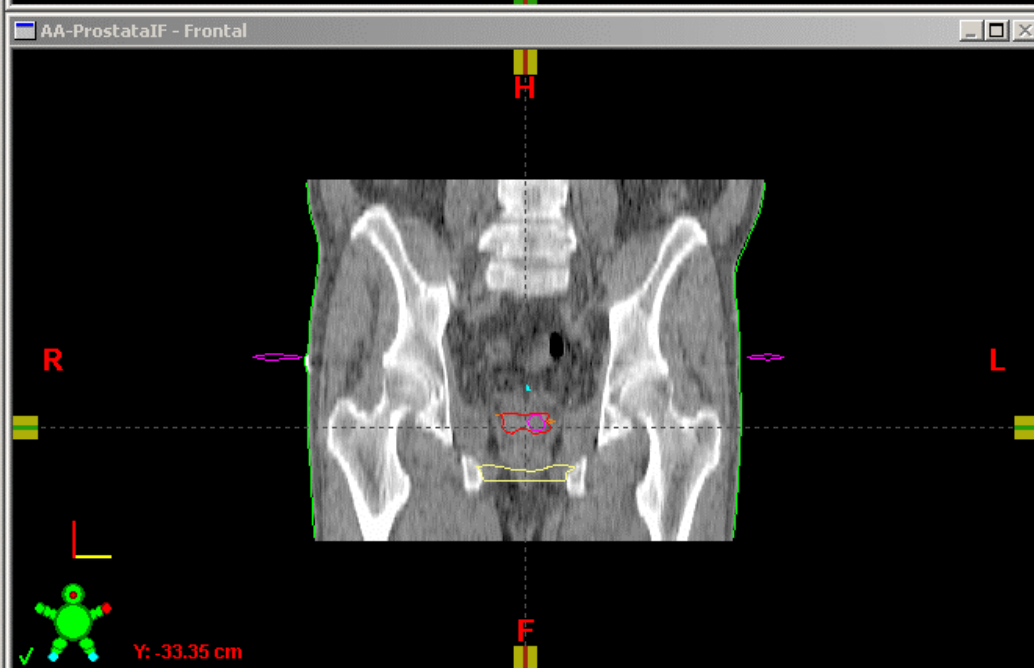
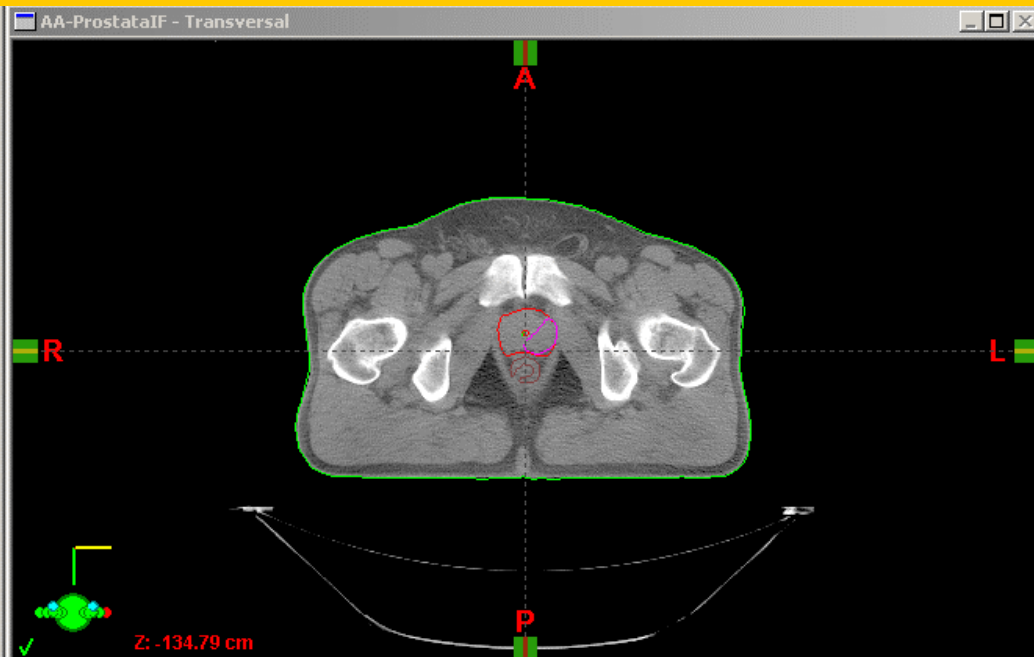


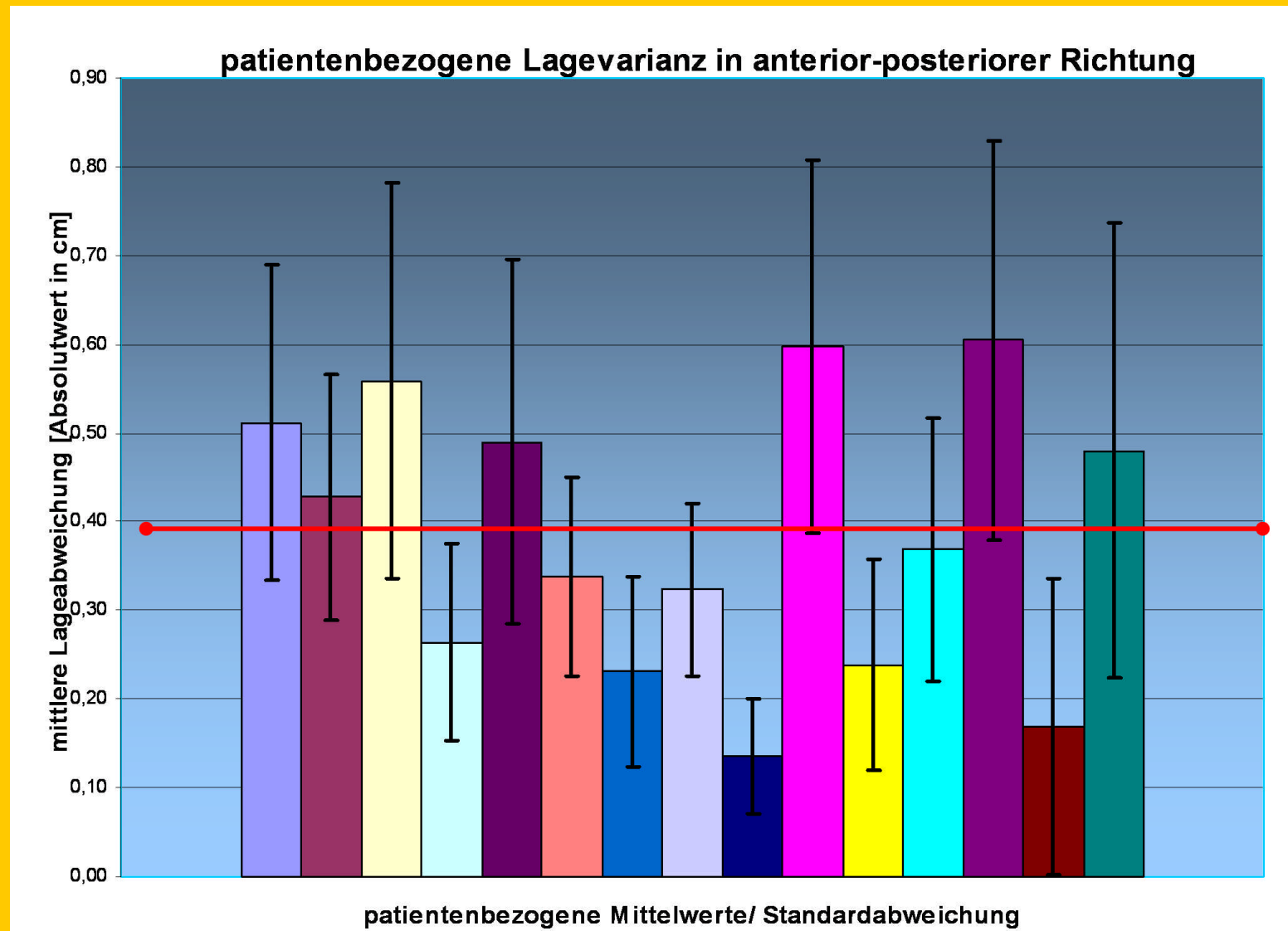
Klinik für Radioonkologie und Strahlentherapie Südharz-Krankenhaus Nordhausen

The image displays a medical software interface for radiotherapy planning, showing two views of a CT scan of a prostate. The left panel contains a hierarchical tree of data, and the right panel shows the scan images with various annotations.

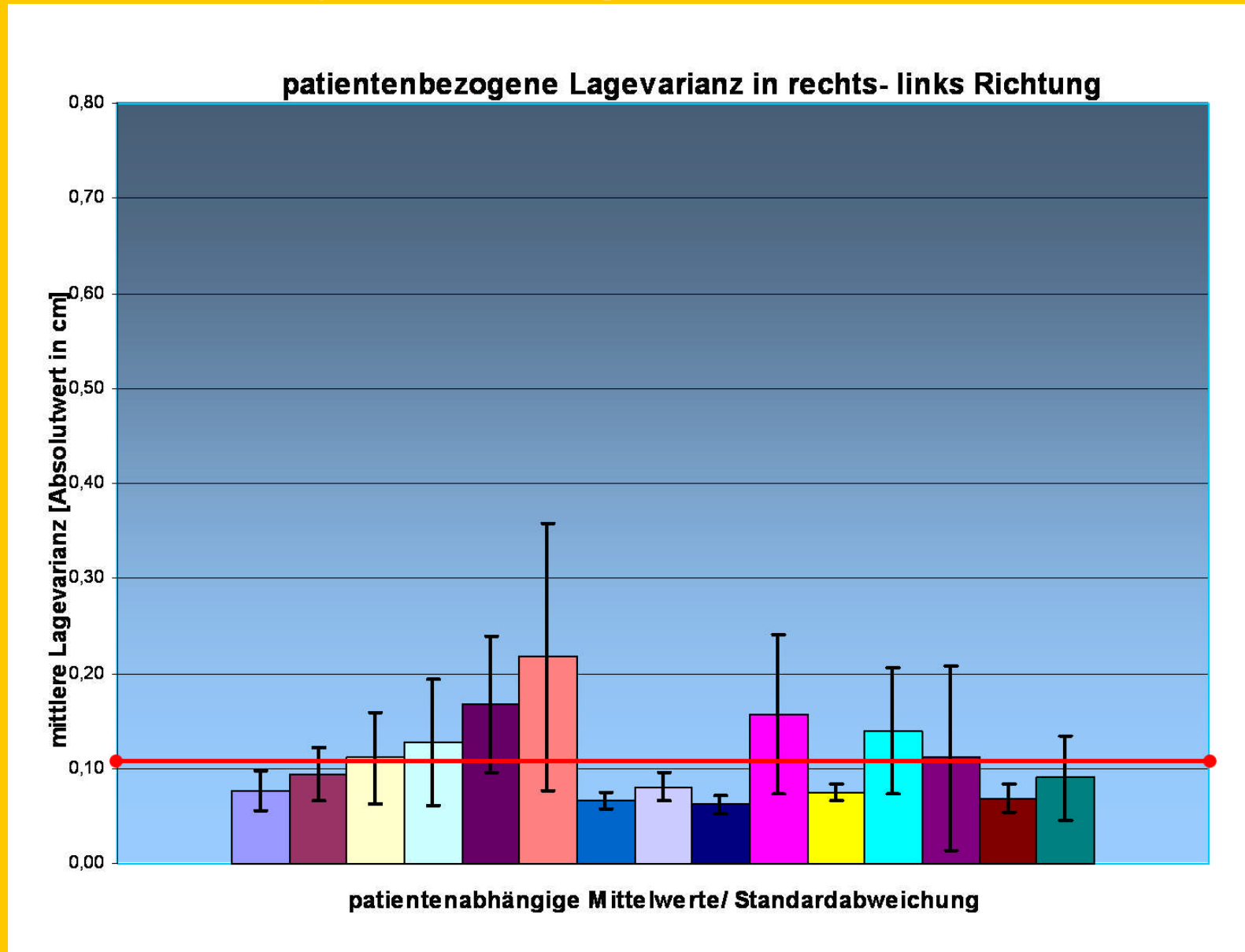
Left Panel: Hierarchical Tree

- 200733-TH00
 - C1
 - AA-ProstataIF
 - SW5ohr
 - Test
 - Test9-Ecl
 - Test9Fgl
 - Test9Fugl1
 - Test9Fuglou
 - xxxEclipse
 - 200733-TH00
 - AA-ProstataIF
 - CT_1
 - KM-CT
 - PCT-KMCT
 - MR_T2
 - Match Result
 - 1
 - Match Result
 - MR 5mm
 - PCT-MRT
 - KCT 14.2.05
 - Match Result1
 - KCT_1
 - Match Result2
 - KCT 2.3.05
 - Match Result 3
 - Structures and Layers
 - Body
 - CT-Punkte
 - Hamblase
 - Hamröhre
 - NVB
 - PTV
 - PTVneu
 - Rektum
 - in field boost
 - peniler bulb
 - Boluses
 - User Origin
 - Reference Points
 - Prostata

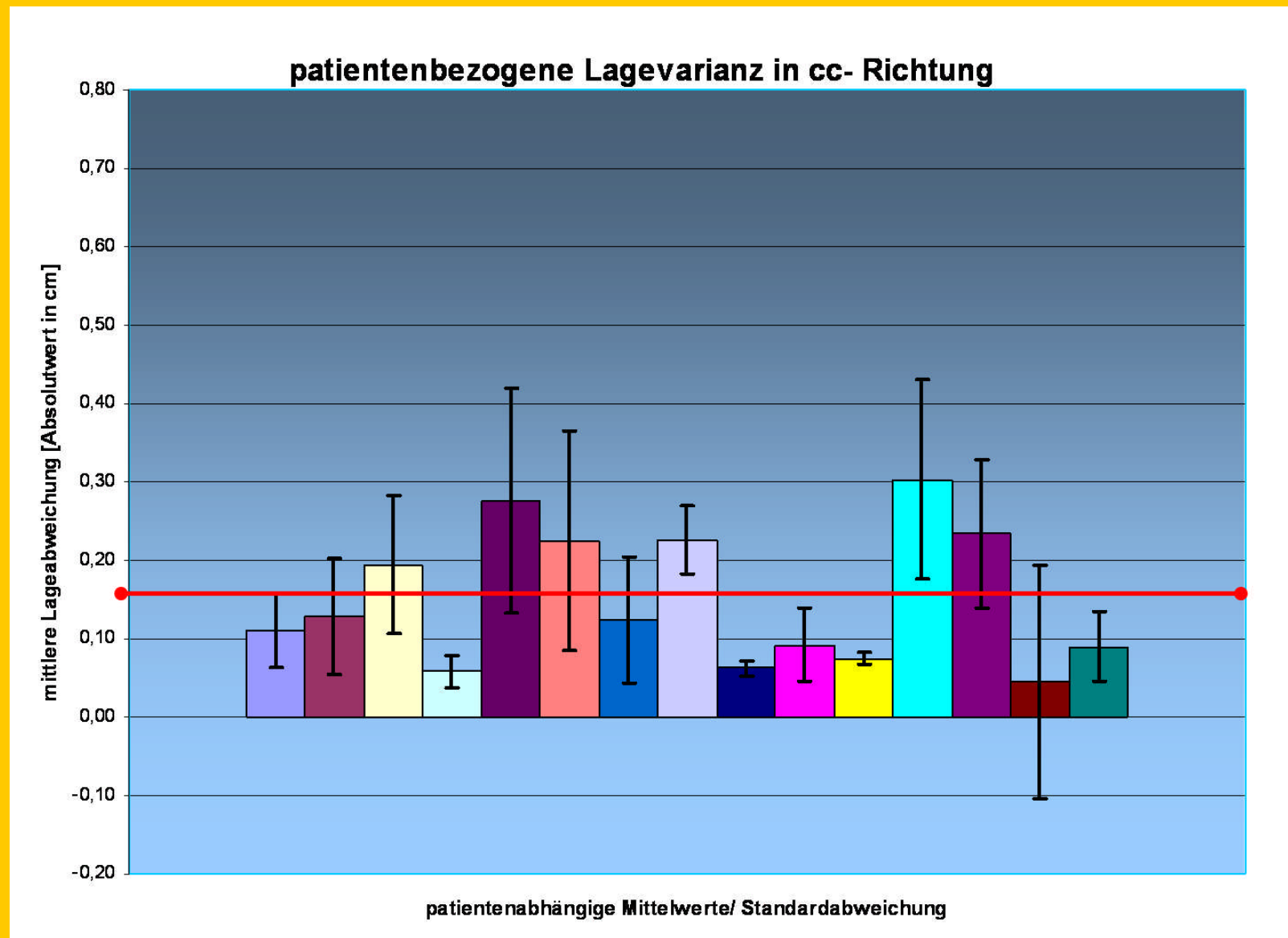




Mittelwert: 0,39 cm

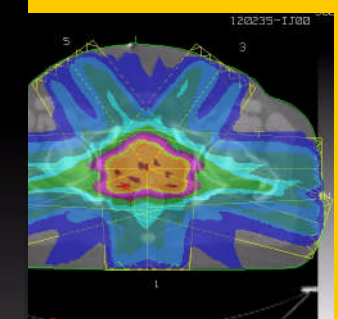
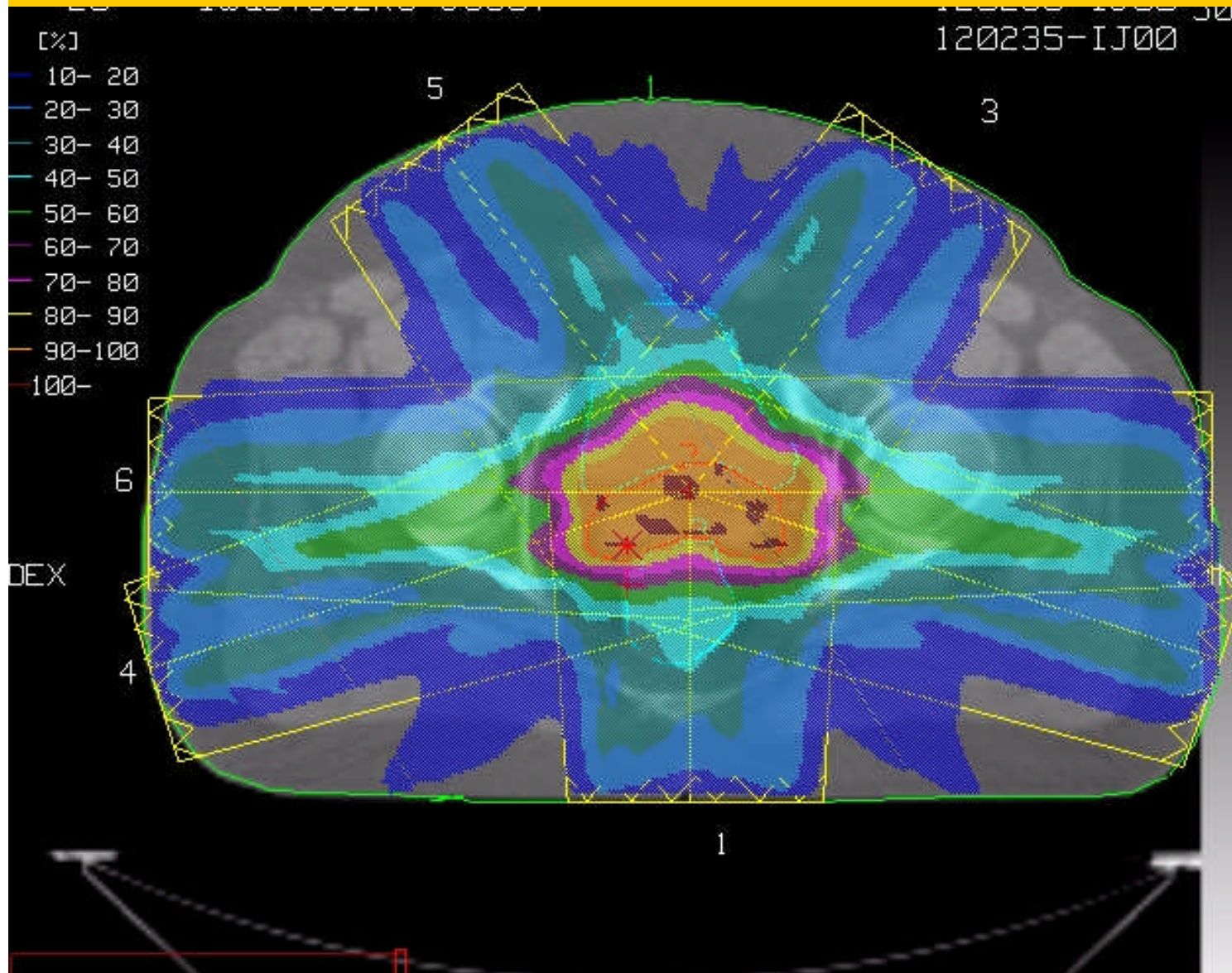


Mittelwert: 0,11 cm



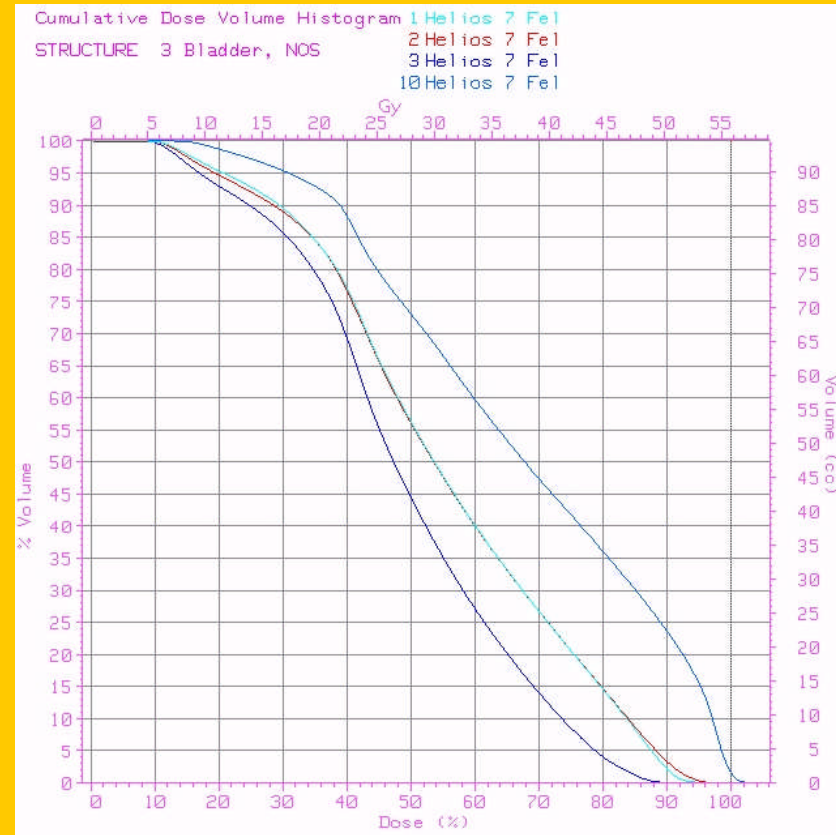
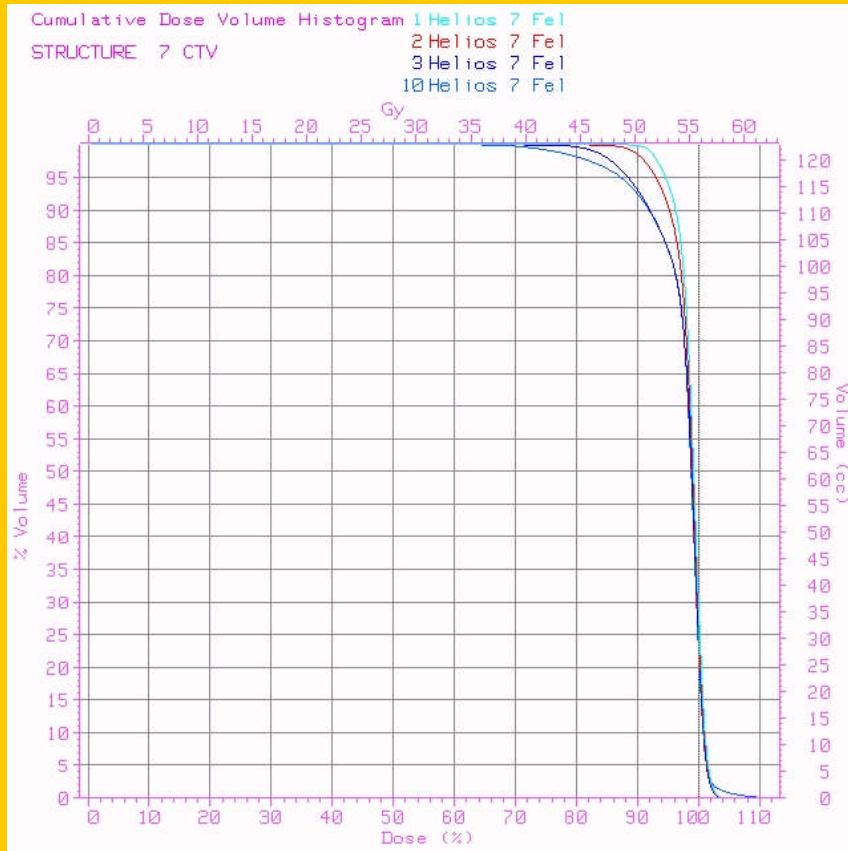
Mittelwert: 0,16 cm

Beispiel: Prostata dynamisch sliding window

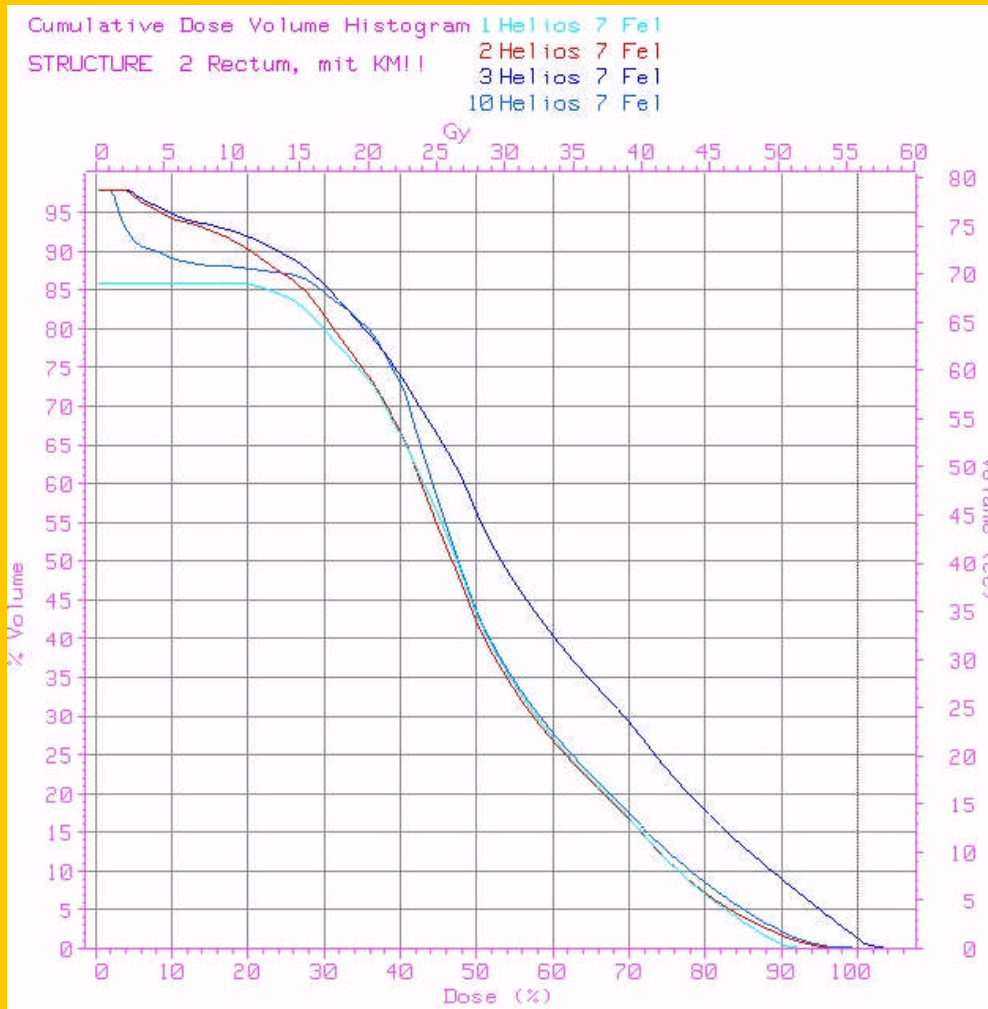


m horizontal

Beispiel: Prostata dynamisch sliding window



Beispiel: Prostata dynamisch sliding window





Noch
Fragen ???

Danke
für
Ihre Aufmerksamkeit