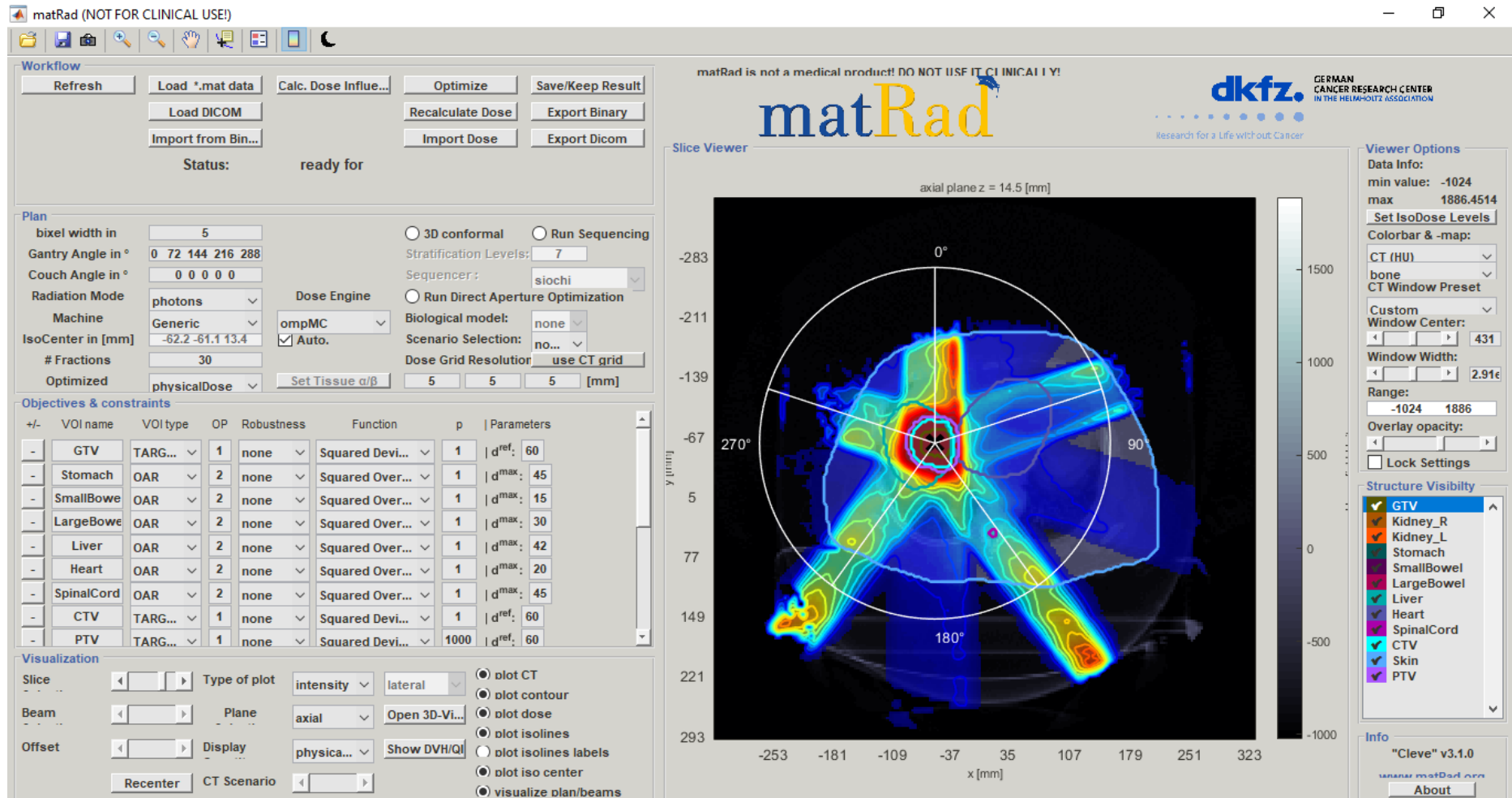


RESULT OF ISODOSE MAPS FOR ALL MODELS

Model 1 (Bixel 5×5 mm², DAO off)



Model 2 (Bixel 6×6 mm², DAO off)

matRad (NOT FOR CLINICAL USE!)

Workflow

Refresh Load *.mat data Calc. Dose Influe... Optimize Save/Keep Result
Load DICOM Recalculate Dose Export Binary
Import from Bin... Import Dose Export Dicom

Status: ready for

Plan

bixel width in 6
Gantry Angle in ° 0 72 144 216 288
Couch Angle in ° 0 0 0 0
Radiation Mode photons
Machine Generic
IsoCenter in [mm] -62.2 -61.1 13.4
Fractions 30
Optimized physicalDose

Dose Engine ompMC
Stratification Levels: 7
Sequencer: siochi
Run Direct Aperture Optimization
Biological model: none
Scenario Selection: no...
Dose Grid Resolution use CT grid 5 5 5 [mm]

Objectives & constraints

+/-	VOI name	VOI type	OP	Robustness	Function	p	Parameters
-	GTV	TARG...	1	none	Squared Devi...	1	d ^{ref} : 60
-	Stomach	OAR	2	none	Squared Over...	1	d ^{max} : 45
-	SmallBowel	OAR	2	none	Squared Over...	1	d ^{max} : 15
-	LargeBowel	OAR	2	none	Squared Over...	1	d ^{max} : 30
-	Liver	OAR	2	none	Squared Over...	1	d ^{max} : 42
-	Heart	OAR	2	none	Squared Over...	1	d ^{max} : 20
-	SpinalCord	OAR	2	none	Squared Over...	1	d ^{max} : 45
-	CTV	TARG...	1	none	Squared Devi...	1	d ^{ref} : 60
-	PTV	TARG...	1	none	Squared Devi...	1000	d ^{ref} : 60

Visualization

Slice Type of plot intensity lateral
Beam Plane axial
Offset Display physica... Show DVH/QI
Recenter CT Scenario

matRad is not a medical product!! DO NOT USE IT CLINICALLY!

matRad

dkfz. GERMAN CANCER RESEARCH CENTER IN THE HELMHOLTZ ASSOCIATION
Research for a Life without Cancer

Slice Viewer

axial plane z = 14.5 [mm]

Viewer Options

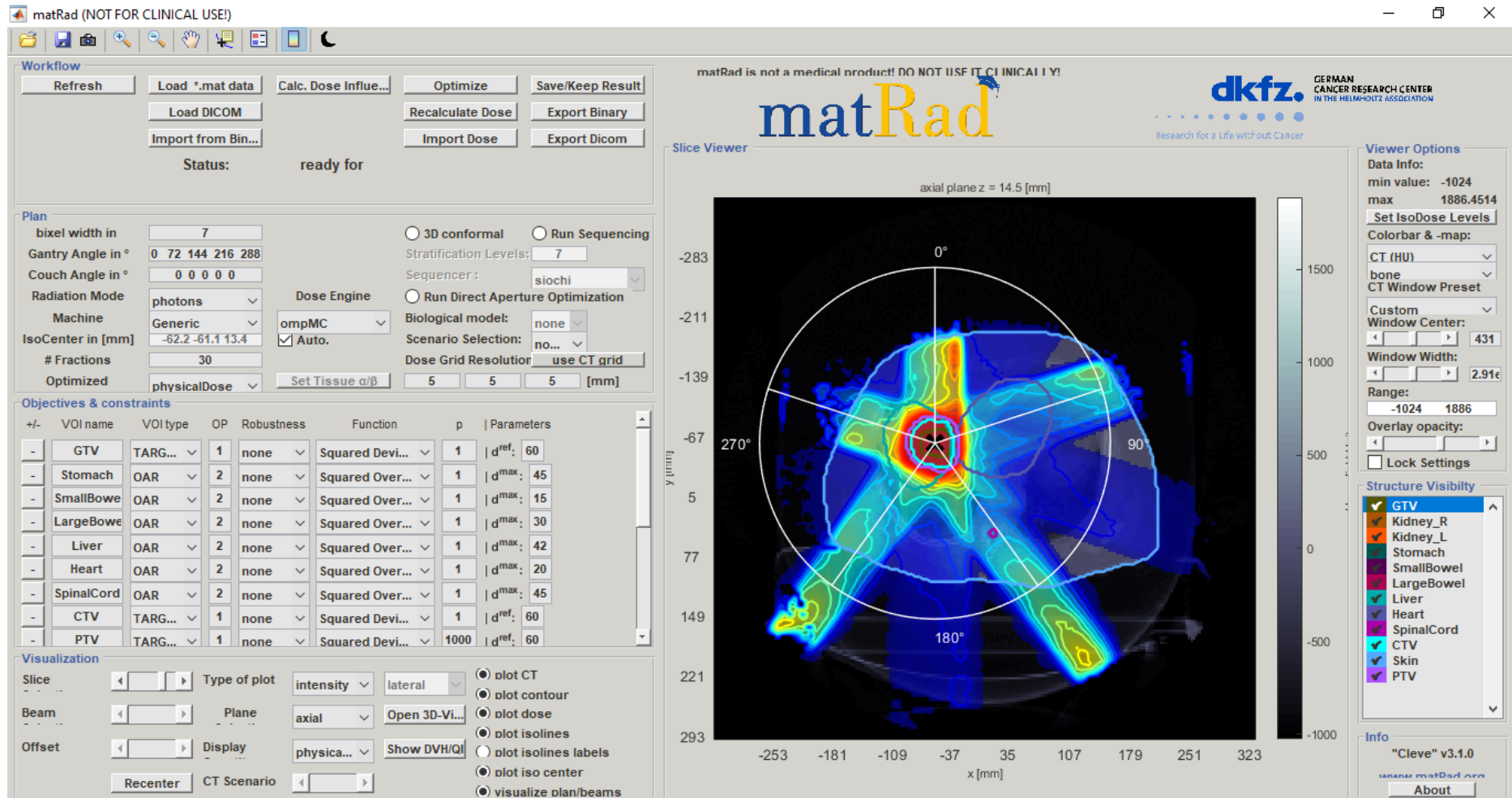
Data Info:
min value: -1024
max 1886.4514
Set IsoDose Levels
Colorbar & -map:
CT (HU)
bone
CT Window Preset
Custom Window Center: 431
Window Width: 2.91e
Range: -1024 1886
Overlay opacity:
Lock Settings

Structure Visibility

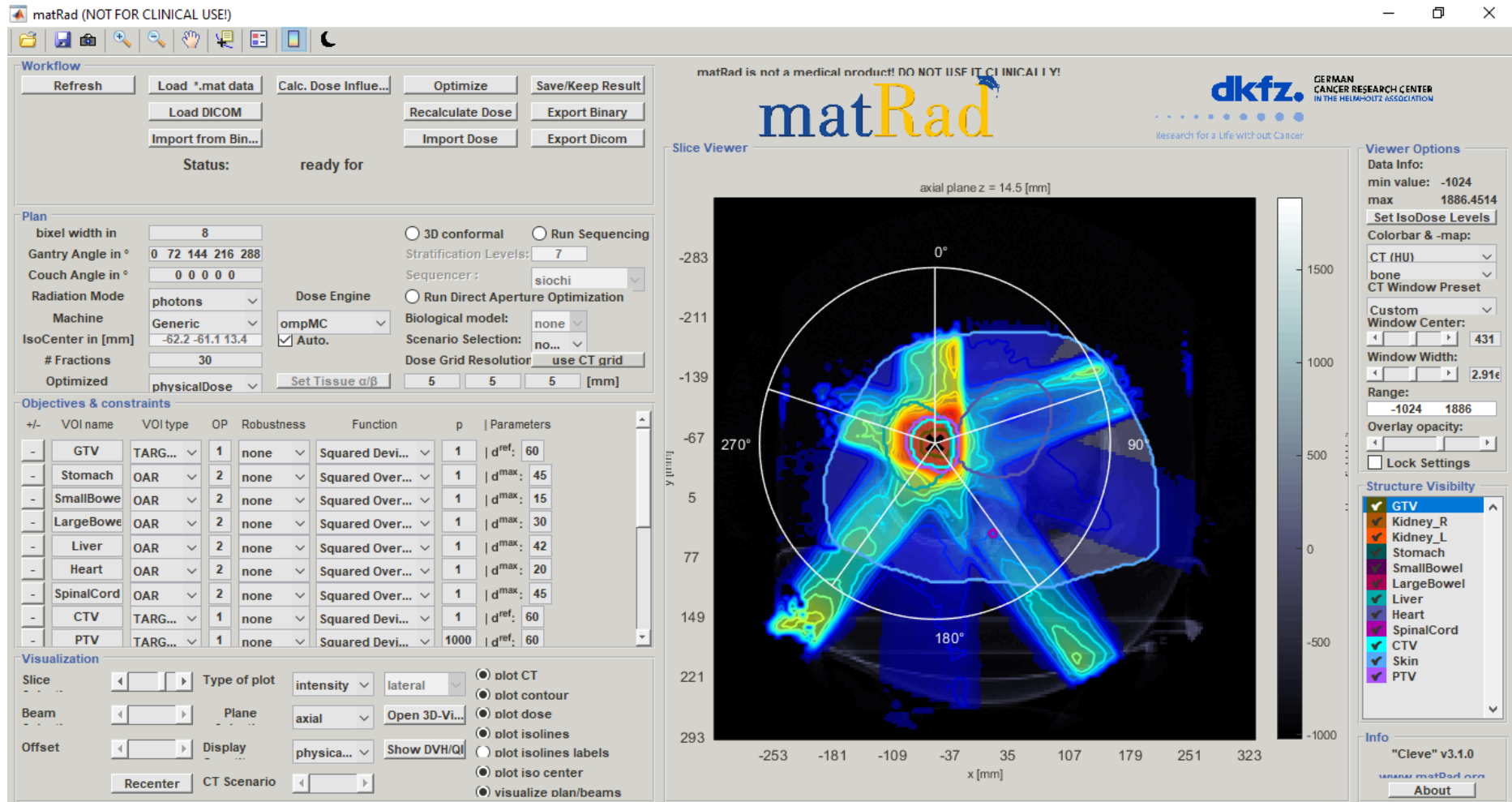
- ✓ GTV
- ✓ Kidney_R
- ✓ Kidney_L
- ✓ Stomach
- ✓ SmallBowel
- ✓ LargeBowel
- ✓ Liver
- ✓ Heart
- ✓ SpinalCord
- ✓ CTV
- ✓ Skin
- ✓ PTV

Info
"Cleave" v3.1.0
matRad.org
About

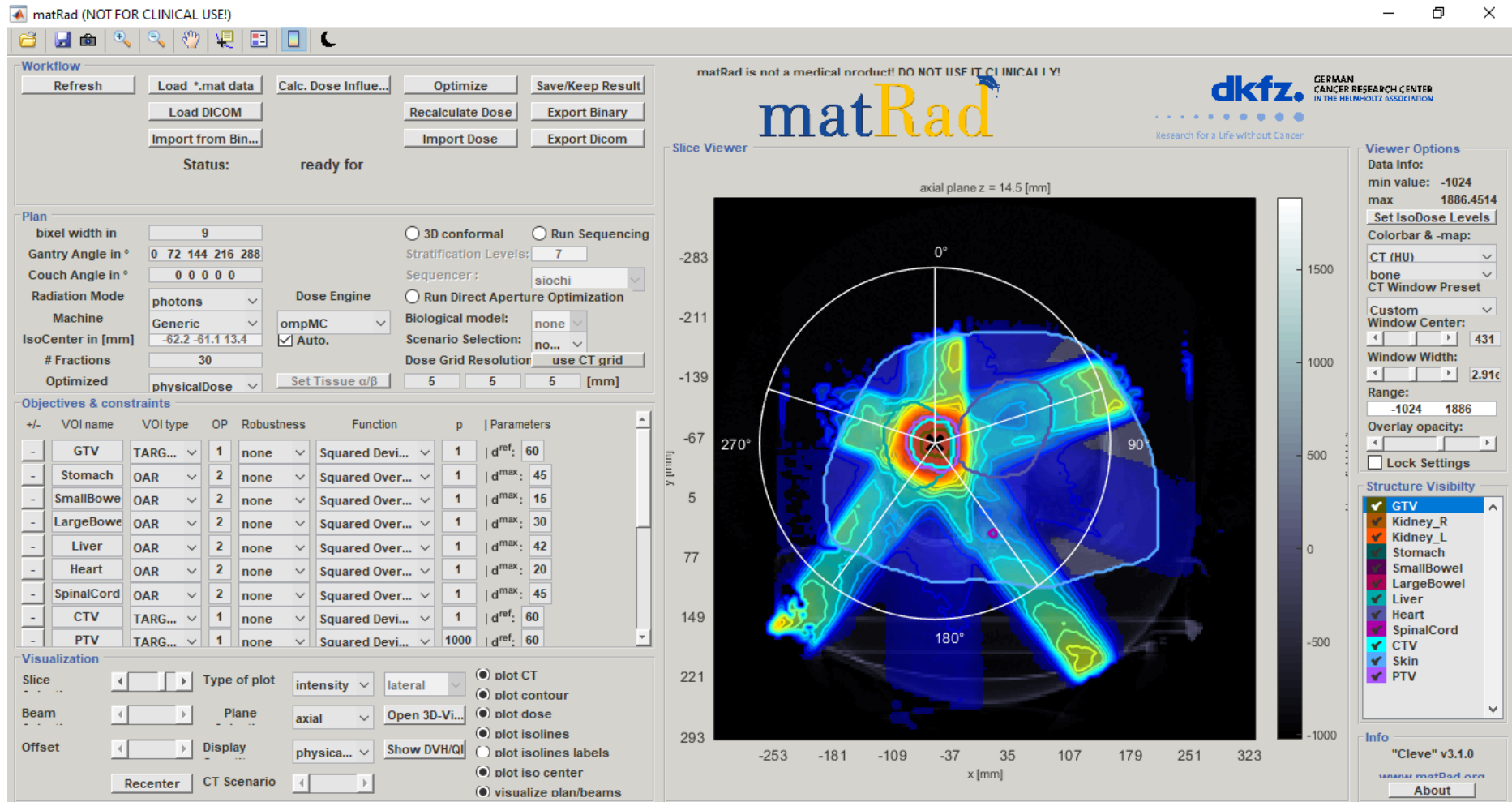
Model 3 (Bixel 7×7 mm², DAO off)



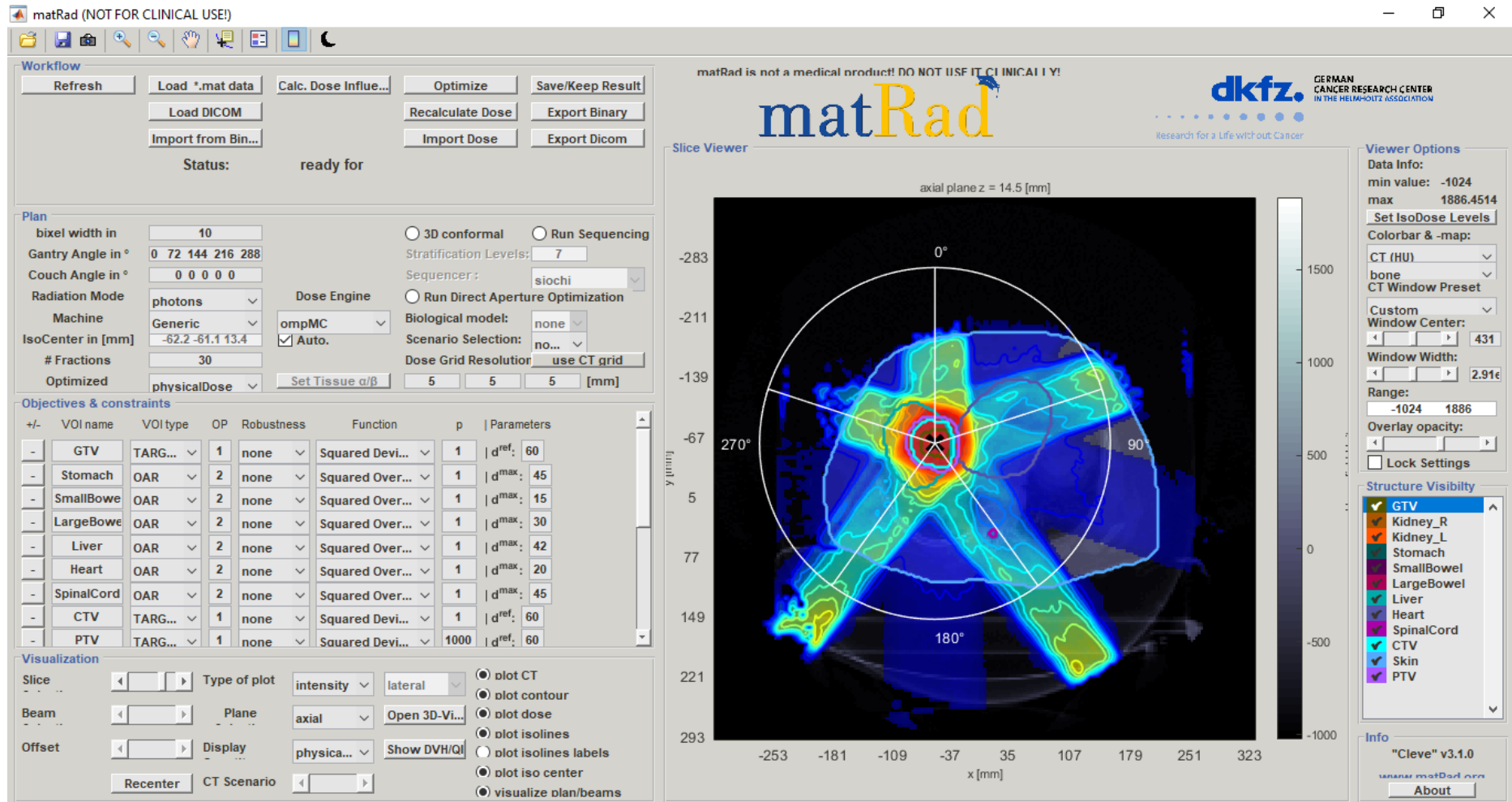
Model 4 (Bixel $8 \times 8 \text{ mm}^2$, DAO off)



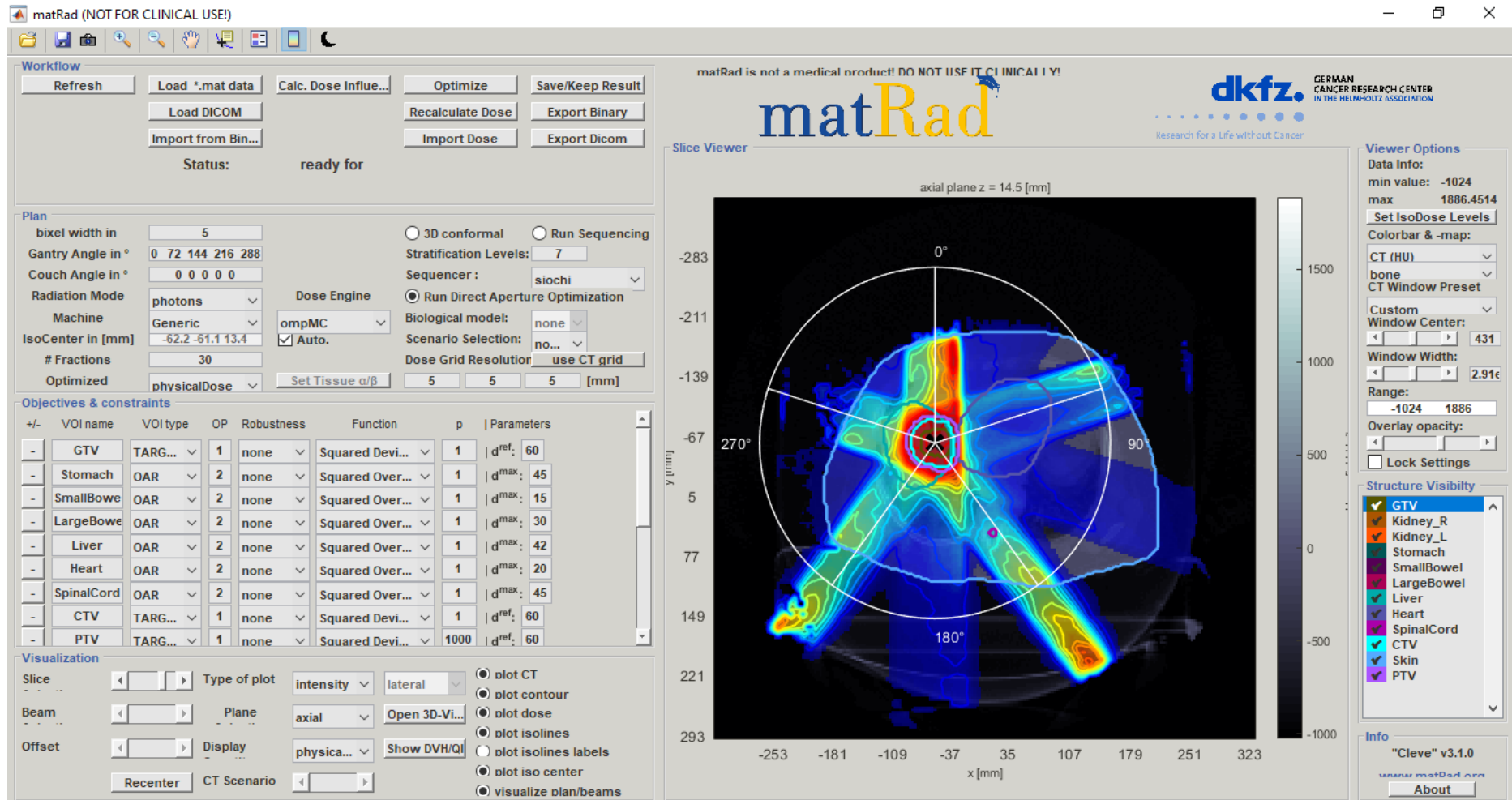
Model 5 (Bixel 9×9 mm², DAO off)



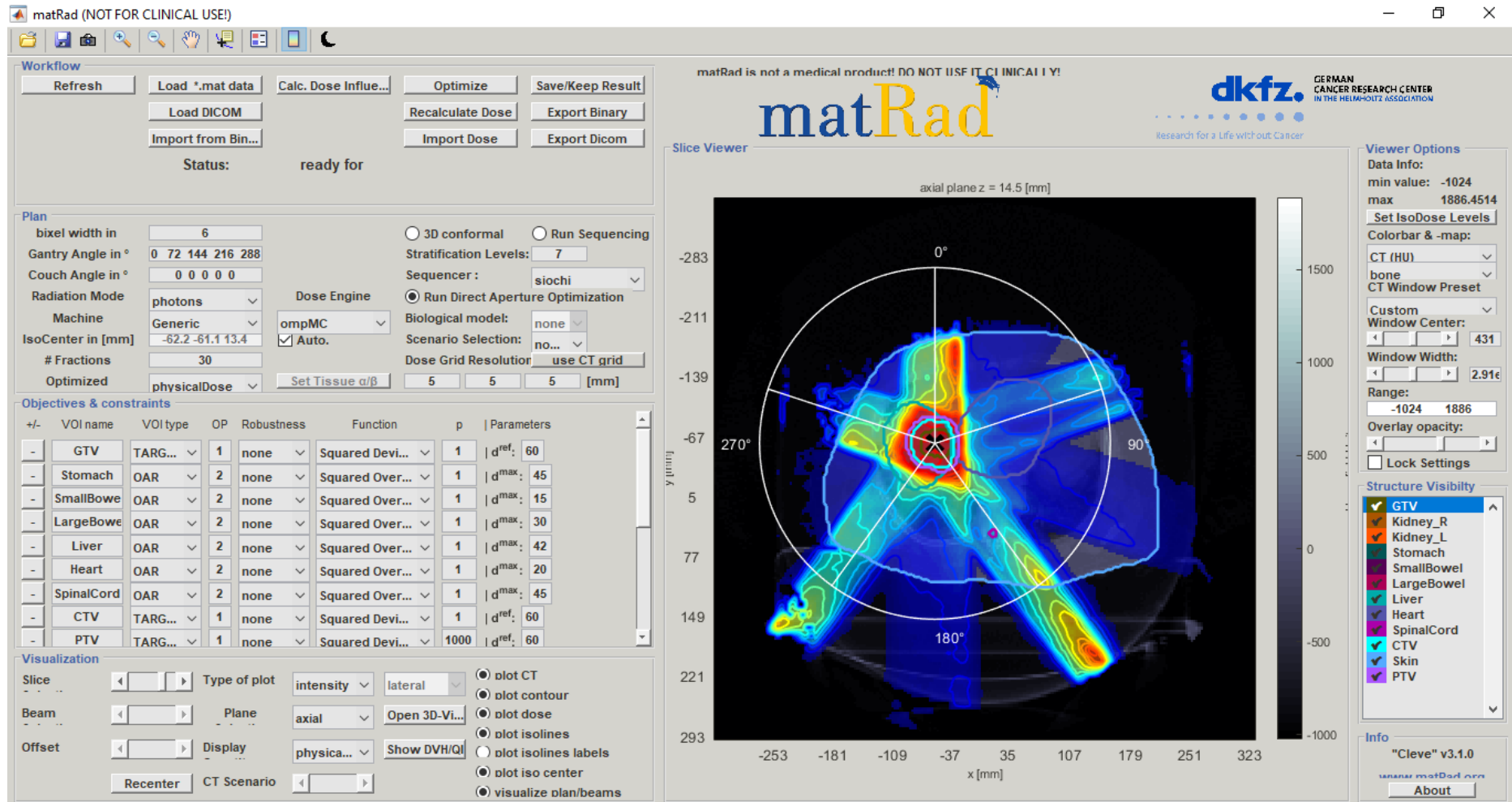
Model 6 (Bixel 10×10 mm², DAO off)



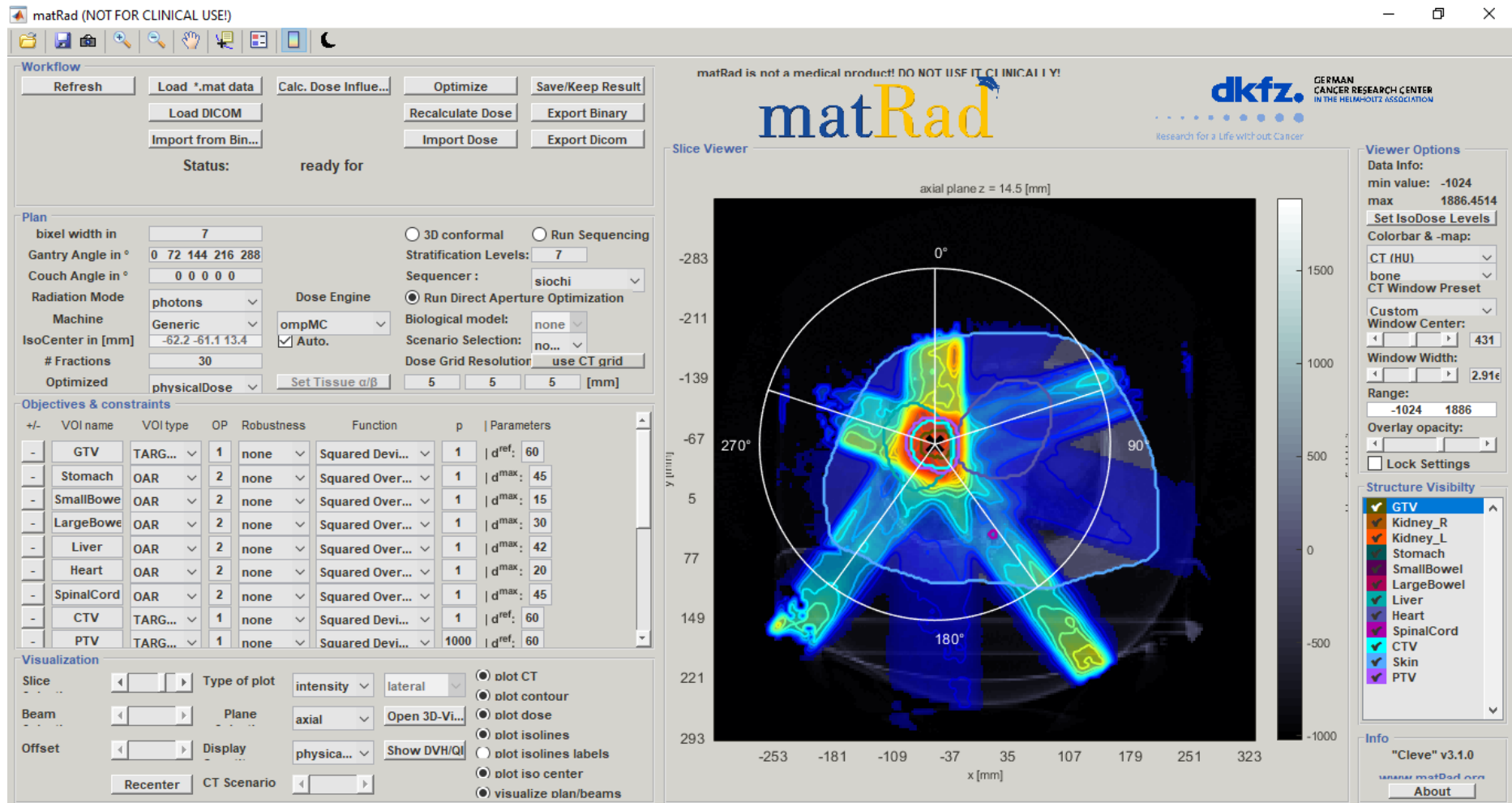
Model 7 (Bixel 5×5 mm², DAO on)



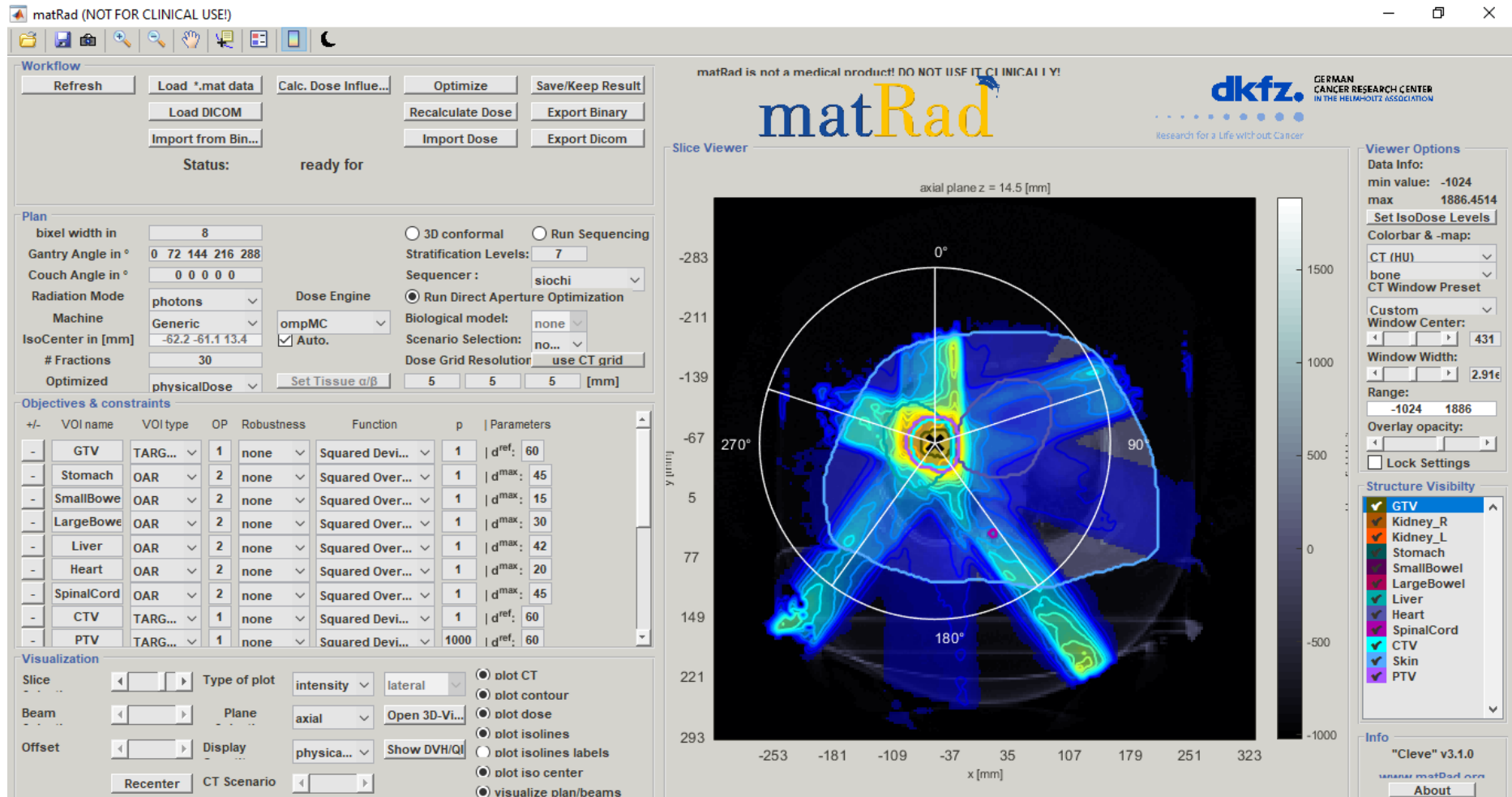
Model 8 (Bixel 6×6 mm², DAO on)



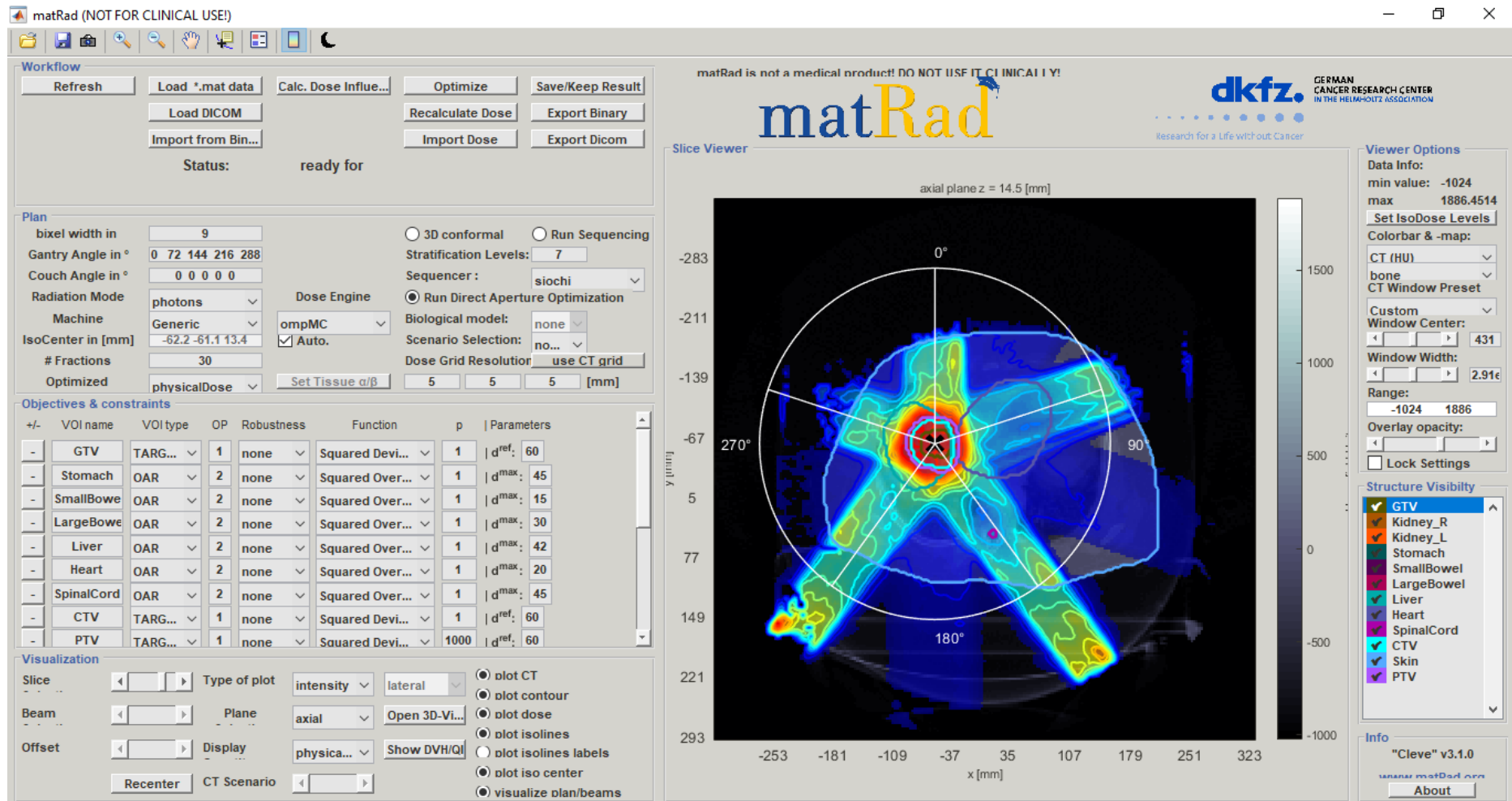
Model 9 (Bixel 7×7 mm², DAO on)



Model 10 (Bixel 8×8 mm², DAO on)



Model 11 (Bixel 9×9 mm², DAO on)



Model 12 (Bixel 10×10 mm², DAO on)

