

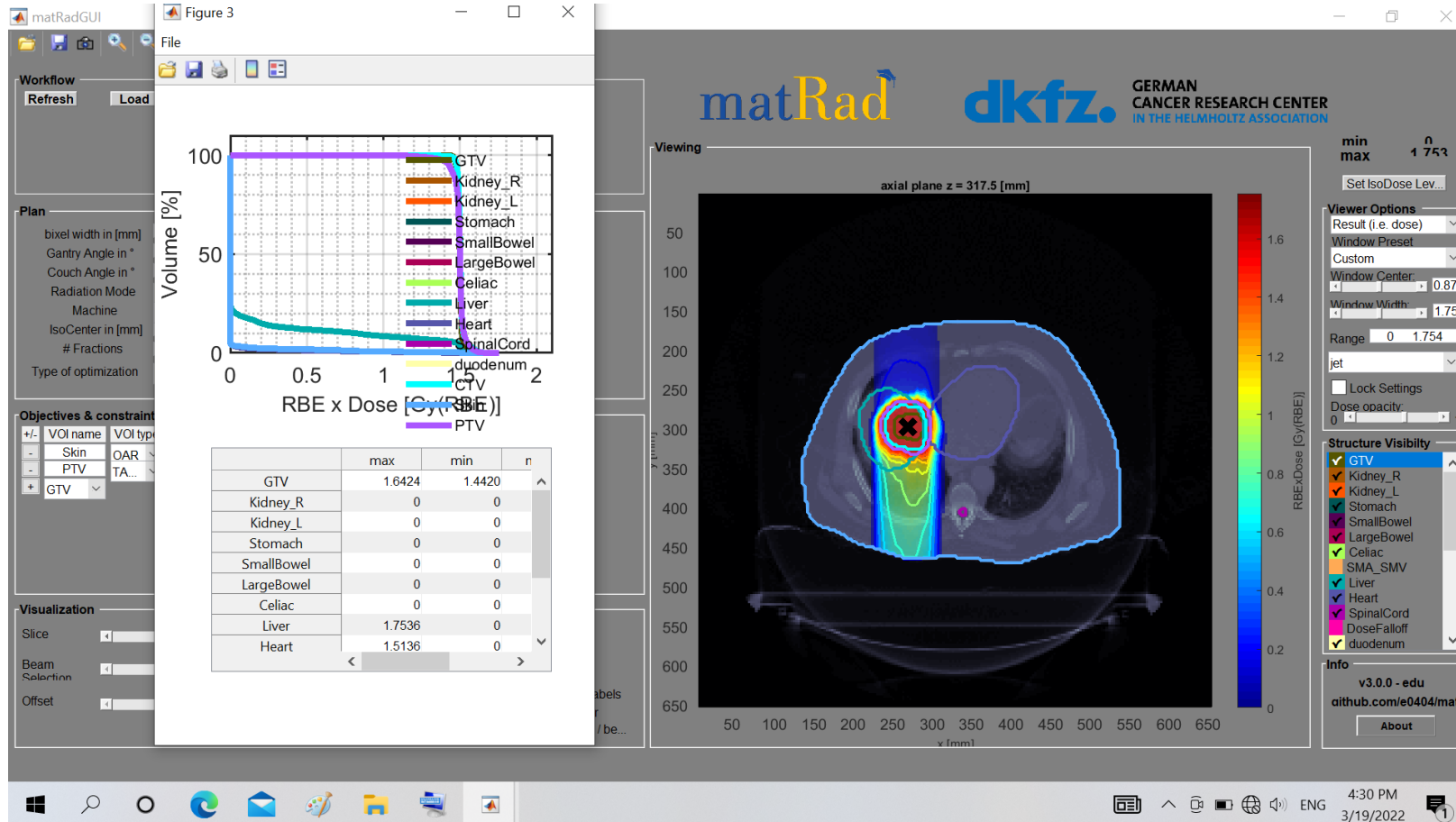


FACULTY OF SCIENCE
BENHA UNIVERSITY

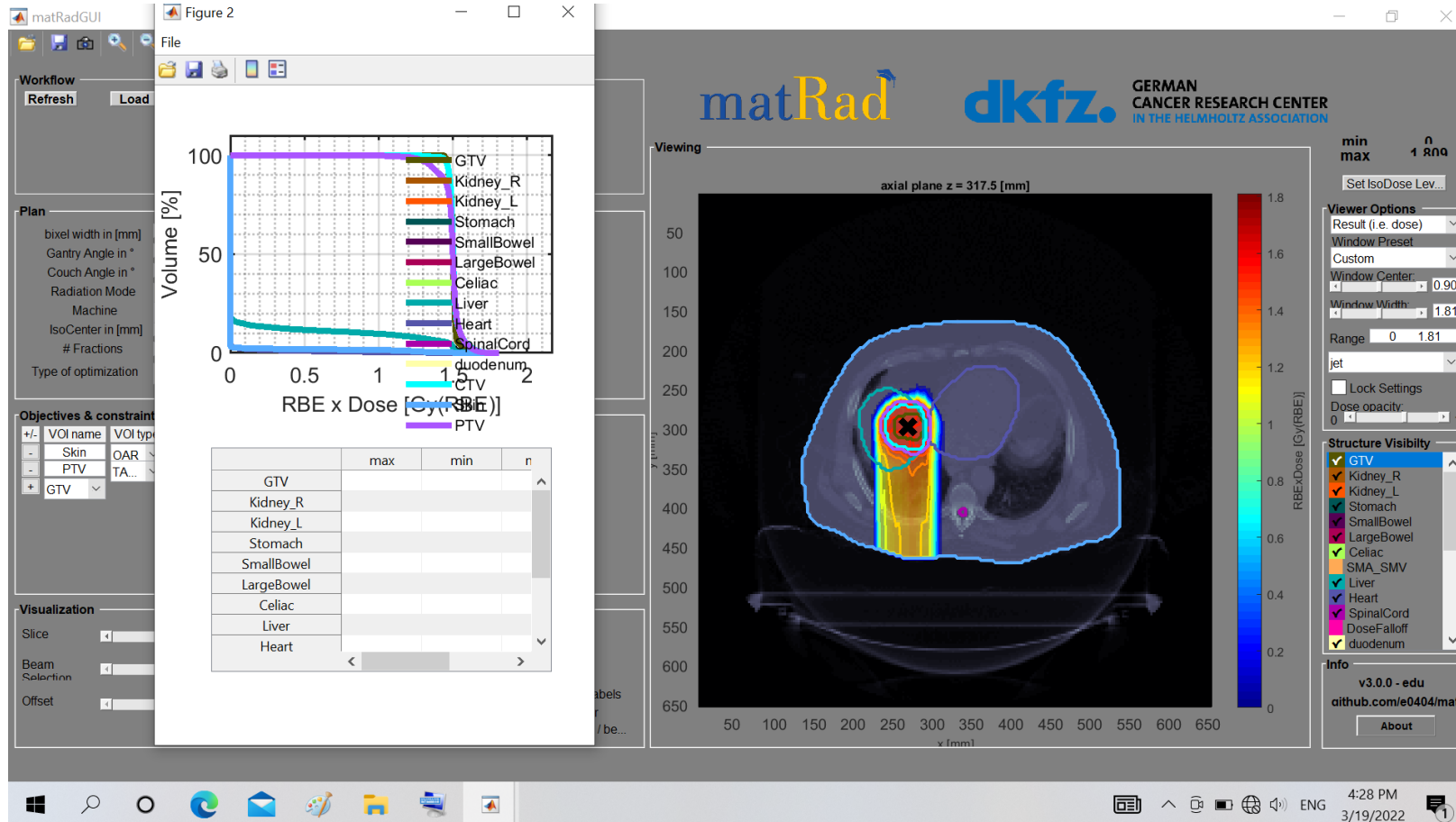


Ahmed lofty Ibrahim
Kholod moawad abo-hegazy
Sarah ali el-kady

Carbon with 180



Proton with 180



Photon with 180

matRadGUI

Workflow
 Refresh Load *.mat data Calc. influence

Status:

Plan
 bixel width in [mm] 5
 Gantry Angle in ° 180
 Couch Angle in ° 0
 Radiation Mode photons
 Machine Generic
 IsoCenter in [mm] 265.8 296.7 316.4 Auto.
 # Fractions 30
 Type of optimization none

Objectives & constraints

+/	VOI name	VOI type	O	Function	
-	Skin	OAR	2	Squared Over...	3
-	PTV	TA...	1	Squared Dev...	10
+	GTV				

Visualization
 Slice Type of plot
 Beam Selection Plane
 Offset Display option

Figure 4

Volume [%]

Dose [Gy]

	max	min	n
GTV	1.6435	1.3219	
Kidney_R	0	0	
Kidney_L	0	0	
Stomach	0	0	
SmallBowel	0	0	
LargeBowel	0	0	
Celiac	0	0	
Liver	2.5827	0	
Heart	1.5703	0	

matRad **dkfz.** GERMAN CANCER RESEARCH CENTER IN THE HELMHOLTZ ASSOCIATION

axial plane z = 317.5 [mm]

physicalDose [Gy]

min max n 1.73

Set IsoDose Lev...

Viewer Options
 Result (i.e. dose)
 Window Preset Custom
 Window Center 1.86
 Window Width 3.73
 Range 0 3.73
 jet
 Lock Settings
 Dose opacity 1

Structure Visibility
 GTV
 Kidney_R
 Kidney_L
 Stomach
 SmallBowel
 LargeBowel
 Celiac
 SMA_SMV
 Liver
 Heart
 SpinalCord
 DoseFalloff
 duodenum

Info
 v3.0.0 - edu
 aithub.com/e0404/mat
 About

100 150 200 250 300 350 400 450 500 550 600 650
 x [mm]

4:35 PM 3/19/2022