Computational assignment 2

due on October 06, 2025

This week's assignments will implement a function to visualize a dose distribution together with the CT and the VOIs. We assume that the dose distribution is stored as an array that is the same size as the CT image to make things simpler. An example dose distribution is provided in the file exampledose.mat. Also, a screenshot is provided to give you an idea what to aim for (but your version does not have to look exactly like that).

Write a function

`plot_dose_on_ct(dose)`

which takes a dose distribution as input and visualizes the dose together with the CT and VOIs.

Comments:

1) In radiotherapy, we typically plot the CT image in gray scale and the dose distribution in color (e.g. the `jet` colormap).

2) You can make the dose distribution partially transparent by setting the `alpha` parameter.