

Radiotherapy:

Draw a percentage depth dose curve for a 6MV beam.
Now draw a higher energy beam, say around 10 MV.
Label the points of interest. (*He wanted me to label 10cm deep*)

Where would you find the Codes of Practice?
Who is involved?
What is the quality index for MV photon beams?
Why do we use this QI, why not just go by the beam energy?
Why might a 6MV beam at your centre not be the same somewhere else?
What is the $TPR_{20,10}$ for a 6MV beam?

What is the purpose of the flattening filter?
Draw a flattening filter.
What would this look like for a higher energy? Draw it.

Draw (and describe) the ICRU planning volumes.
How do we ensure that the PTV is treated? (Imaging verification)
He drew a rough sketch of a prostate and asked me to draw the OARs and where would I place the beams.
He asked me to draw the DVH for the PTV of the prostate plan (ideal and realistic).
What would the DVH for the CTV look like?
He then asked me to draw the DVH for the rectum.
He then asked me how the DVH would change if the prostate dose was compromised (i.e. some of the PTV was missed) and the dose to the rectum was increased. (He illustrated this on his drawing).

Finally he asked me to talk about the project I had done.

Moderators question:

Tell me what you know about the Data Protection Act.