Anonymizer

It anonymizes the set {CTset, StructureSET, Plan, Dose} preserving the logic relationship between objects.

The anonymization is done using the MATLAB function *dicomanon* (rev R2010a) which anonymizes as per stipulated on PS 3.15-2008 Table E.1-1. We are not able to test full conformity of this MATLAB tool to DICOM de-identification standards, thus we do not take any responsibility for the use of this tool.

For keeping track of some possible useful details, the Patient Age is preserved declaring a fake Birth Date. Patient sex is also preserved.

How to use:

Export the set {CTset, StructureSET, Plan, Dose} to a single folder. Only 1 plan, 1 structure set and 1 Dose are allowed to be on the folder with the CT image set. The software does not check for consistency of this set, thus is your responsibility to export a consistent set, i.e. the structure set defined on the CT set, the plan defined on the structure set and the dose corresponding to this plan.

Run the anonymization tool and choose the folder where you exported the DICOM objects.

Set the new PatientID, PatientFirstName, PatientLastName and the name of the Hospital of origin of the set {CTset, StructureSET, Plan, Dose}.

Once edition completed and checked, press the “Check data” to enable the “Anonymize” button that has to be pressed to lunch the process.

The first dialog box ask for selection of the folder where the original DICOM objects are.

The result is a new folder **.\ANON** (created on the folder containing the original DICOM objects) containing the new anonymized DICOM objects and a text file (VicRapidPlan_trackingFile.txt) containing the following information: Original PatientID, New PatientID, Original PlanID, Hospital of origin. This file is an ascii file with 2 lines: First line have the headers of the data and second line the data itself. Its purpose is to facilitate managing the plan flow into models. Be aware it contains the Original Patient ID.

The original DICOM files are not changed.

The new set makes reference to a machine named “`VicRapidPlan`” which is a copy of the Varian testing machine “`Eclipse`CAP_TB” , a TrueBeam machine that contains many different beam types. Very likely most of the centers have already this CAP machine declared into their ARIA systems, if not, the XML descriptor of this machine is provided (`VicRapidPlan_TB.xml`). You can import this machine for easing the managing of plans with energies not matching the ones declared on your system.