Exporting Credentialing Data with Pinnacle TPS, Mosaiq EMR, and a Varian Linac

## **Pinnacle Export**

-			DICOM Export		r [
Trial to export:	Vmat 💷		RT Plans Send SSDs in all arc control points		
Local AE Title: Series Number:	PINNAPP1		Prescription     Tolerance Table       Image: Brain     None	_	
Series Description:	X ·				
Destination AE Title:	ADACRTP_SCP 🗖		RT Structures	_	
DICOM Timeout:	I 120		Non-con CT Sim	ĥ	
Transmit Data	]		Contrast CT Sim		
			RT Images		
			Annotate RT Images		Setup Beams
			RT Dose		Annotate Setup Beams
			Dose per control point		
			Dose per beam		
			Dose per prescription		
			Sum of selected prescriptions		
			Spatial Registration		
		R	DICOM Image		
			Non-con CT Sim		
			Contrast CT Sim	L V	

## **CBCT** Data from Mosaiq

- Go to eChart -> Images...
- Select the CBCT
- Export To File and click Export
- Save it to the desired directory
- Using Explorer, go to the saved directory and re-label the CBCT directory with DD\_MM\_YYYY\_CBCT
- Write down the time and date of the CBCT on a sticky note (needed for getting Reg files)



## Reg files from the Sequencer workstation

- You have your sticky note from the last step, right?
- Go to the sequencer workstation
- On the sequencer, navigate to C:\impac\data\import or C:\Mosaiq\apps\import
- This is the directory where DICOM data (Reg files, treatment records, CBCT, etc.) are stored from the Linac. Location is installation-dependent, so look in both directories. The directory should have lots of 1-3 kB files, a few 30-50 kB files, and a few >200kB files, recorded after each treatment completion.
- Look for a file with a timestamp very close to that written on your sticky note, and with a file size >10 kB, but <100 kB. This is likely the Reg file. The next slide describes how to read the Reg file to make sure you have the right one.
- Mosaiq imports the Reg file to get the shifts, but then only stores the imaging data with the shift values. Reg files are not retained in Mosaiq.
- On restart, a DICOM cleanup tool is set to clean the import directory of files older than 6 months or so.

## Reg files from the Sequencer workstation - continued

- Use DCMtree to view the file.
   Open DCMtree from
   \\mosaiq\mosaiq app (two
   directories up from eScan)
- If there are two Reg files, view both in DCMtree and select the file with the earlier Series Time.
- Drag the file into the upper-half of the window and then select it.
- Look for "REG" under Modality and for the desired patient's name under Patient's Name.
- Save the file with your other data and then rename it DD\_MM\_YYYY\_CBCT\_Reg

2 1930kess	Options		
\IMPA(	C\data\impor	rt\DCl	M20170822-100539118-163-9152
-			
A 111			ISTRATION) message, ID=102
(1) 1 - V _			Instance Creation Date  20170822
2			Instance Creation Time  100637
R	(0008,0016)	(UI)	SOP Class UID  1.2.840.10008.5.1.4.1.1.66.1
R	(0008,0018)	(UI)	SOP Instance UID  1.2.246.352.61.10.4880231060
R	(0008,0020)	(DA)	Study Date  20170804
- E			Series Date  20170822
R	(0008,0023)	(DA)	Content Date  20170822
R	(0008,0030)	(TM)	Study Time  120227
R	(0008,0031)	(TM)	Series Time  100637.39
R	(0008,0033)	(TM)	Content Time  100637.39
R	(0008,0050)	(SH)	Accession Number <null></null>
R	(0008,0060)	(CS)	Modality [REG]
R	(0008,0070)	(LO)	Manufacturer  Varian Medical Systems
R	(0008,0090)	(PN)	Referring Physician's Name <null></null>
R	(0008,1010)	(SH)	Station Name  OBIWS
R	(0008,1090)	(LO)	Manufacturer's Model Name  On-Board Imager
田園	(0008,1115)	(SQ)	Referenced Series Sequence
R	(0010,0010)	(PN)	Patient's Name
1. ml	(0010.0020)	(LO)	Patient ID  1175010013
R	,,		