

DynaCAD Prostate Cheat Sheet

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DynaCAD login: ask

Password: ask

Server name: 10.199.80.125

Prostate Boundary Creation

1. Select the patient by double clicking
2. Click "Gland Segment" from Home Menu; Maximize window
3. Scroll through and adjust to include the prostate boundaries to the best of your ability (click and drag). Do this on AXIAL plane.
 - a. 'Control' + Left Click adjusts the length of contour adjuster and 'Shift' + Left Click smooths contour adjuster
4. Click "Save" and "Approve" and then "OK".
5. Click "X" or "Cancel" to exit from the Prostate Editor

Tumor ROI

Important: make sure cursor is not in "insert correlation point" mode, if so, change to window/level or other mode by right clicking and selecting that mode.

1. Left double click on AXIAL T2 Sequence from Home menu to Enlarge
2. Right Click → "Prostate Location"
3. Correlate with IMPAX imaging to identify the abnormality/area of interest (axial slice numbers match)
 - a. **Use T2 (most often)**, DWI/ADC, RI, and post-Gad (sub 9 often the best but may need to look at other subs) **to correlate findings**
4. Right Click → "FreeHand ROI"
5. Draw ROI around lesion
6. Right Click on ROI border → "Edit/Make 3D ROI"
7. Continue on any other contiguous slices with the abnormality
 - a. **Important: must select at least 3 contiguous slices total** (many lesions will be 3 slices only. Generally, do not use more than 5 slices.)
 - b. Right Click also gives option to Delete or Remove Slice
8. Make sure ROI boundary is INSIDE Prostate Boundary
 - a. If concern for Extracapsular or Extraprostatic extension, speak with an attending about appropriate ROI segmentation
9. Once this is done for all contiguous slices with abnormality, Right Click → End Edit
- 10. If you need to make another ROI for another target, repeat steps 1-9**
11. Click "Save All" (upper left)
12. Make sure prostate boundary and ROI are saved in patient's folder on DynaCAD

Image Capture & Lesion Analysis:

Important: DO THIS STEP ONLY AFTER VERIFYING LESION WITH ATTENDING DURING READ OUT

1. Make sure T2 image is showing and select Prostate Location. Maximize Image
2. Go to the most significant ROI slice (usually the one with Crosshairs, the crosshairs will be on the image with the largest drawn ROI)
3. Click on "Capture Image"

4. Right Click → Chart → Lesion Analysis
 - a. This will pull up a summary sheet with lesion information
 - b. Click on “Capture Image” again.
5. Select “View Captures” from menu bar at top → “Save as DICOM”
6. From ‘Open’ menu, highlight Patient and select DCAD Report SC YYYY/MM/DD HH:MM:SS (eg 2017/08/17 15:45:58)
 - a. **IMPORTANT: make sure there is only 1 “DCAD Report file” in the patients Dynacad jacket as that is the file used during MRI/US fusion biopsy.**
7. Right Click → DICOM Route, select DICOMIN (10.196.84.94). This will send screen capture to PACS.
8. Close study on PACS and reopen, or move from current patient to different patient and back to current patient, to check that DCAD report is in the PACS series.

Tip:

1. If study is not in DynaCad, use “Q/R” aka “Query/Retrieve” to try to find study and push study to the DynaCad server. This may take several minutes.