**Tags for 3D-Slicer CACS plugin**

CC:

* RCA:
  + Prox. RCA
  + Mid. RCA
  + Dist. RCA
  + RCA side branch
* LAD:
  + Prox. LAD
  + Mid. LAD
  + Dist. LAD
  + LAD side branch
* LCX:
  + Prox. LCX
  + Mid. LCX
  + Dist. LCX
  + LCX side branch
* RIM
* LM:
  + LM
  + LM\_bifurcation LAD + LCX
  + LM\_bifurcation LAD
  + LM\_bifurcation LCX

NCC:

* Valves:
  + Aortic valve
  + Pulmonic valve
  + Tricuspid valve
  + Mitral valve
* Papillary muscle
* Cardiac calc\_nfs (not further specified)
* Aorta:
  + Aorta\_asc (ascendens)
  + Aorta\_desc (descendens)
  + Aorta\_arc (arcus)
* Other

**Ideas:**

It would be interesting to have the number of lesions, the distribution pattern, the mean and median size/volume and the density, the length and the shape of each lesion…..

**Automatic results for:**

* Number of lesions for each tag (I.e., num. Of lesions for prox. RCA)
* Volume for each lesion
  + Mean lesion volume
  + Median lesion volume
* Density for each lesion
  + Mean lesion density
  + Median lesion density

Changes needed:

* Pixel-button does not select only pixels >130 HU, but rather all pixels. This makes the segmentation difficult.
* The calculation of the three scores should be faster. It takes in some cases up to 5 min. and 20 sec.
* The export has the same problem as the calculation.
* Blue tags should be the sum of the red tags.
* Red tags should be the sum of the underlying green ones.
* New color for the “Undefined”/”Other” Tag. It helps if it is a bit more visible.