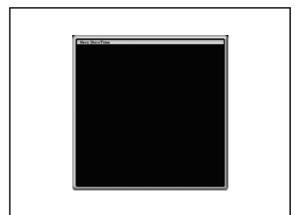


TASK

- Segment bones
 Characterize bone trabecular pattern by texture freatures
- ☑ Are there differences between metacarpals and phalanges?

PROJECT Central Path of tubular objects



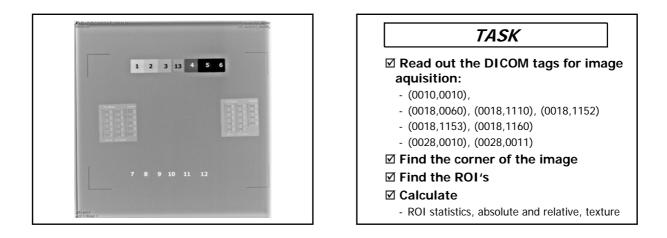
TASK

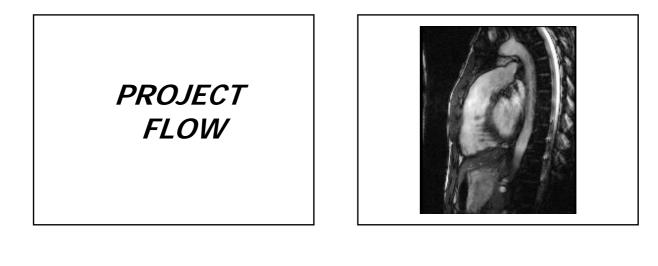
 Aproximate central path for sending a virtual camera

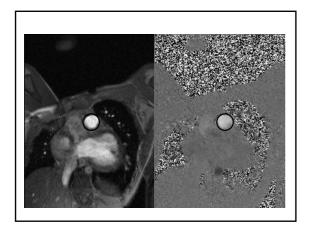
 Not using skeletonisation

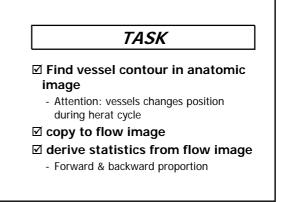
 Do not follow smaller sideways

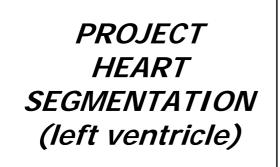




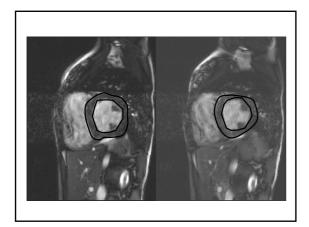






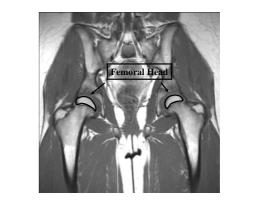


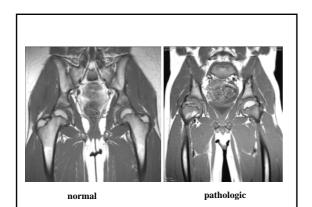


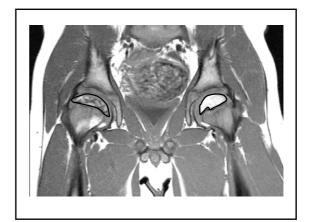


TASK ☑ FIND HEART CONTOUR (left ventricle) during heart cycle - Tip: sort images by heart time - in DICOM TAG 0018x1060



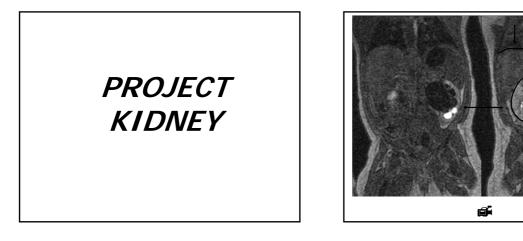








	TASK
☑	Find femoral head
	Compare both sides by morphologic features
V	Compare both sides by texture features
\checkmark	divided each femoral head in 3 parts
V	compare morphologic and texture features for both segments
V	are there differences between normal vs pathologic cases?

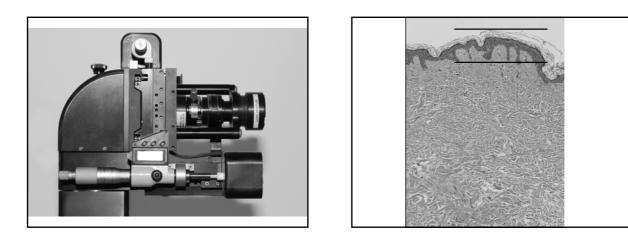


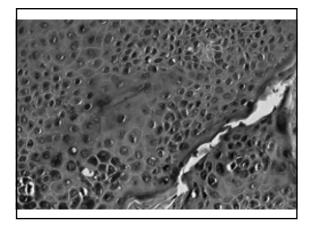
TASK

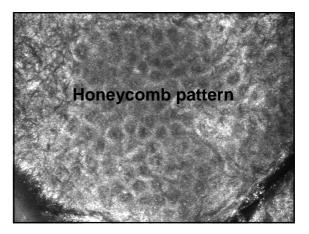
- ☑ Find kidney contour on best perfusion image -> make mask
- $\ensuremath{\boxtimes}$ Register diaphragm movement
- ☑ copy mask according diaphragm movement to all images
- ☑ Subtract 0 images (first series) from all others
- ☑ Display chart: signalintensity vs time

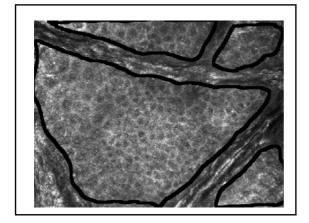


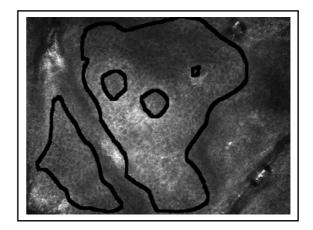


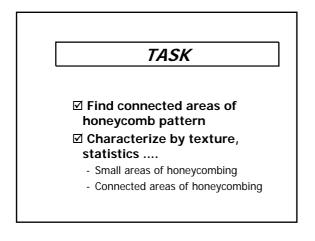




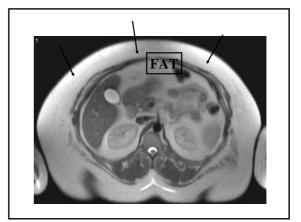








PROJECT TISSUE



TASK

- Find fat (especially body trunk)
 Correct inhomogenicities (-see paper, eg. edge preserving smoothing)
- Segment fat
- Compute statistics of fat distribution on slice/volume basis