HCP Subjects with Anatomical flags

These are HCP (Young Adult) subjects that have anomalies that were found during Structural QC. Most of these do not have visible manifestations in the structural surface data, but a few do.

It is possible that some of these anomalies cause issues in other modalities (i.e., diffusion, task or resting data), which have not been visually QC’ed in the same manner.

For each subject, there are two slides. The first contains the T1w and T2w slice that shows the anomaly most clearly in the subject’s native scan space. The second slide shows the same location in MNINonLinear space after the HCP Structural Pipelines.

The volume parcellation displayed in some slides is the aparc+aseg.nii.gz file produced by FreeSurfer.

The files for the surface maps are:
Sulcal map = {Subject}.sulc.164k_fs_LR.dscalar.nii
Areal Distortion map = {Subject}.ArealDistortion_MSMSulc.164k_fs_LR.dscalar.nii
Myelin map = {Subject}.SmoothedMyelinMap_BC.164k_fs_LR.dscalar.nii
105620 - Small posterior midline arachnoid cyst
110613 - DVA right anterior frontomedial
110613 - 900 release
111312 - Heterotopic GM posterior left lateral ventricle
111312 - 500 release

No surface effect
112112 – Bilateral anterior temporal arachnoid cysts
112112 - 900 release

No map effect
114924 – Pineal cyst
114924 - 500 release

No surface effect
122418 - Mass in left jaw region
122418 - 1200 release

No surface effect
122620 - Large posterior fossa arachnoid cyst
124422 - Scattered non-specific T2 foci
No surface effect
134627 - Small cavernoma right occipital
134627 - 1200 release

No surface effect
134829 - Small cavernoma and DVA in left cerebellum
139637 - Large midline calcification
No surface effect
140117 - Thickening of the left frontal bone, likely fibro-osseous lesion
No surface effect
145127 - Right parietal lobe cyst
145127 - 900 release

No surface effect
146836 - Small right dorsal benign cyst
146836 - 1200 release
147737 - Frontal lobe white matter atypicalities
148840 - Midline colloid cyst
148840 - 500 release

No map effect
150019 - Left anterior temporal arachnoid cyst
No surface effect
156435 - Small posterior fossa arachnoid cyst
No surface effect
163432 - Frontal midline falx calcification
No surface effect
166438 - Small posterior fossa arachnoid cyst
No surface effect
168139 - Large mega cisterna magna/arachnoid cyst
177140 - Small frontal midline calcification
177140 - 1200 release

No surface effect
178849 - Right frontal white matter atypicality
No surface effect
180836 - Dorsal midline calcifications
No surface effect
181131 - Small calcification dorsal midline
No surface effect
190132 - Posterior peri-ventricular white matter atypicalities
195849 - Large posterior fossa arachnoid cyst
195849 - 500 release

No surface effect
199655 - Posterior fossa arachnoid cyst
199655 - 500 release

No surface effect
200210 - Small cavernomas
200210 - 900 release

No surface effect
201515 - Cavernoma left occipital lobe
224022 - Small cyst or extension of the occipital horn of the right lateral ventricle
No surface effect
270332 - Posterior fossa arachnoid cyst
270332 - 900 release

No surface effect
360030 – Posterior right cerebellum lesion
433839 - Small lacuna left frontal lobe
461743 – Posterior fossa arachnoid cyst/mega cisterna magna
461743 - 1200 release

No map effect
518746 - Expanded sella with enlarged and cystic pituitary gland
No surface effect
522434 - 1. Small DVA and cavernoma in the right cerebellum. 2. Posterior fossa arachnoid cysts
552544 - Small midline falx calcification
No surface effect
628248 - Posterior fossa arachnoid cyst
628248 - 900 release

No surface effect
709551 - Dorsal arachnoid cyst
709551 - 500 release

MNINonLinear

Native

No map effect
734045 - Mild enlargement of ventricular system due to Blake's pouch cyst
734045 - 500 release

No surface effect
943862 - Small cavernomas in right parietal
958976 - Posterior fossa arachnoid cyst
No surface effect
970764 - Small pineal cyst left occipital
No surface effect
994273 - Posterior fossa arachnoid cyst
994273 - 500 release

No surface effect