

Supplementary material

Radscore calculation formula

Radscore= 1.498-0.691* Bowel_exponential_glszm_SmallAreaEmphasis
-0.797*
Bowel_log-sigma-1-0-mm-3D_gldm_DependenceNonUniformityNormalize
d -1.211* Bowel_log-sigma-1-0-mm-3D_gldm_LargeDependenceEmphasis
+1.691*
Bowel_log-sigma-1-0-mm-3D_glrlm_LongRunHighGrayLevelEmphasis
-0.682* Bowel_log-sigma-3-0-mm-3D_firstorder_Kurtosis
-0.478* Bowel_original_shape_MinorAxisLength
+0.222* Bowel_wavelet-HHH_glszm_SmallAreaEmphasis
-0.521* Bowel_wavelet-HHH_glszm_SmallAreaHighGrayLevelEmphasis
+1.699* Bowel_wavelet-LLH_glszm_ZonePercentage
+0.894* Fat_lbp-3D-m2_firstorder_InterquartileRange
+1.271* Fat_log-sigma-1-0-mm-3D_ngtdm_Coarseness
-0.999* Fat_log-sigma-3-0-mm-3D_glszm_ZonePercentage
-0.976* Fat_wavelet-LHH_glszm_SizeZoneNonUniformityNormalized
+0.612* Fat_wavelet-LHH_glszm_SmallAreaEmphasis
+1.204* Fat_wavelet-LHL_firstorder_Median



Supplementary Figure 1 Example of ROI segmention. Deep learning-based model outlined the intestinal wall to obtain the VOI-bowl. VOI-fat was then obtained *via* an expansion algorithm, which automatically extends the fat

density (-30- -150 HU) within 0-1 cm outward along the margin of the outlined intestinal wall.