

Data of Body Lean

[11/20/09 16:22:19]Thresholding
Mode Global
Pre-smoothing off
Lower grey threshold 32
Upper grey threshold 255

[11/20/09 16:22:21]Despeckle
Type: Sweep (2D space)
Remove: all except the largest object
Apply to: Image
[11/20/09 16:22:26]Despeckle done

[11/20/09 16:22:26]Despeckle
Type: Remove pores (2D space)
Detected by: by image borders
Apply to: Image
[11/20/09 16:22:37]Despeckle done

[11/20/09 16:22:37]Morphological operations
Type: Erosion (2D space)
Kernel: Round
Radius: 3
Apply to: Region of Interest
[11/20/09 16:23:39]Morphological operations done

[11/20/09 16:23:39]Bitwise operations
<Region of Interest> = COPY <Image>
[11/20/09 16:23:39]Bitwise operations done

[11/20/09 16:23:39]Reload Image
[11/20/09 16:23:40]Reload done

[11/20/09 16:23:40]Thresholding
Mode Global
Pre-smoothing off
Lower grey threshold 86
Upper grey threshold 166

[11/20/09 16:23:40]Bitwise operations
<Image> = <Image> AND <Region of Interest>
[11/20/09 16:23:41]Bitwise operations done

[11/20/09 16:23:41]Despeckle
Type: Sweep (3D space)
Remove: all except the largest object
Apply to: Image
[11/20/09 16:23:43]Despeckle done

[11/20/09 16:23:43]Despeckle
Type: Remove white speckles (3D space)
Volume : less than 100 voxels
Apply to: Image
0 speckles removed
[11/20/09 16:23:46]Despeckle done

[11/20/09 16:23:46]Despeckle
Type: Remove pores (2D space)
Detected by: by image borders
Apply to: Region of Interest
[11/20/09 16:23:57]Despeckle done

[11/20/09 16:23:57]Bitwise operations
<Image> = <Image> AND <Region of Interest>
[11/20/09 16:23:57]Bitwise operations done

[11/20/09 16:23:57]Morphological operations
Type: Close (3D space)
Kernel: Round
Radius: 1
Apply to: Image
[11/20/09 16:24:44]Morphological operations done

[11/20/09 16:24:44]Despeckle
Type: Remove white speckles (3D space)
Volume : less than 100 voxels
Apply to: Image
4144 speckles removed

[11/20/09 16:24:47]Despeckle done

[11/20/09 16:24:47]Save bitmaps(image inside ROI):

[11/20/09 16:24:51]3D analysis

Date and time 20.11.2009 16:24
Operator identity Skyscan IBMS
Computer name SKYSCAN-PC1
Computation time 00:00:26
Dataset 111909_35um_fat_b6-1__rec
Location C:\Result\台灣小鼠診所TMC inhouse test\Huang Wen

Description	Abbreviation	Value	Unit
Number of layers		998	
Lower vertical position		6.3412	mm
Upper vertical position		78.18411	mm
Pixel size		72.05909	um
Lower grey threshold		86	
Upper grey threshold		166	
Total VOI volume	TV	24073.73	mm ³
Object volume	Obj.V	7212.846	mm ³
Percent object volume	Obj.V/TV	29.96148	%
Total VOI surface	TS	6334.393	mm ²
Object surface	Obj.S	57743.78	mm ²
Intersection surface	i.S	65.49835	mm ²
Object surface / volume ratio	Obj.S/Obj.V	8.00569	1/mm
Object surface density	Obj.S/TV	2.39862	1/mm
Fragmentation index	Fr.I	-2.33446	1/mm
Centroid (x)	Crd.X	-0.21705	mm
Centroid (y)	Crd.Y	-2.89375	mm
Centroid (z)	Crd.Z	41.62886	mm