

Data of Body Fat

[06/29/09 16:41:01] Thresholding

Mode,Global

Pre-smoothing,off

Lower grey threshold,32

Upper grey threshold,255

[06/29/09 16:41:02] Morphological operations

Type: Erosion (2D space)

Kernel: Round

Radius: 3

Apply to: Region of Interest

[06/29/09 16:41:13] Morphological operations done

[06/29/09 16:41:13] Bitwise operations

<Region of Interest> = COPY <Image>

[06/29/09 16:41:13] Bitwise operations done

[06/29/09 16:41:13] Reload Image

[06/29/09 16:41:13] Reload done

[06/29/09 16:41:13] Thresholding

Mode,Global

Pre-smoothing,off

Lower grey threshold,32

Upper grey threshold,60

[06/29/09 16:41:14] Bitwise operations

<Image> = <Image> AND <Region of Interest>

[06/29/09 16:41:14] Bitwise operations done

[06/29/09 16:41:14] Despeckle
Type : Sweep (3D space)
Apply to: Image
[06/29/09 16:41:15] Despeckle done

[06/29/09 16:41:15] Despeckle
Type : Remove pores (2D space)
Detected by : by image borders
Apply to: Region of Interest
[06/29/09 16:41:17] Despeckle done

[06/29/09 16:41:17] Bitwise operations
<Image> = <Image> AND <Region of Interest>
[06/29/09 16:41:17] Bitwise operations done

[06/29/09 16:41:17] Morphological operations
Type: Close (3D space)
Kernel: Round
Radius: 1
Apply to: Image
[06/29/09 16:41:26] Morphological operations done

[06/29/09 16:41:26] Save bitmaps(image inside ROI):

Destination folder: C:\Result\台灣小鼠診所\TMC test\Huang
Wen\2009.06.16_FAT\UNA01\2009.06.16_una01__rec(9)

[06/29/09 16:41:27] 3D analysis

Date and time,29.06.2009 16:41
Operator identity,Skyscan IBMS
Computer name,SKYSCAN-PC1

Computation time,00:00:05

Dataset,2009.06.16_una01__rec

Location,C:\Result\台灣小鼠診所\TMC test\Huang Wen\2009.06.16_FAT\UNA01\

Description,Abbreviation,Value,Unit

Number of layers,,701

Lower vertical position,,4.46766,mm

Upper vertical position,,105.35039,mm

Pixel size,,144.11818,um

Lower grey threshold,,32

Upper grey threshold,,60

※Volume of whole body is Total VOI volume,TV (here 32158.04589,mm³)

※Volume of whole body fat is Object volume,Obj.V (here 11958.88692,mm³)

※Percentage of body fat is Percent object volume,Obj.V/TV (here 37.18785,%)

※Density of fat is 0.964,g/cm³

Total VOI volume,TV,32158.04589,mm³

Object volume,Obj.V,11958.88692,mm³

Percent object volume,Obj.V/TV,37.18785,%

Total VOI surface,TS,27248.96975,mm²

Object surface,Obj.S,32559.96902,mm²

Intersection surface,i.S,8665.90388,mm²

Object surface / volume ratio,Obj.S/Obj.V,2.72266,1/mm

Object surface density,Obj.S/TV,1.01250,1/mm

Fragmentation index,Fr.I,-0.52134,1/mm

Centroid (x),Crd.X,-0.18324,mm

Centroid (y),Crd.Y,-1.74034,mm

Centroid (z),Crd.Z,63.24772,mm

Dataset,Date and time,Pixel size,Unit,Lower grey threshold,Upper grey threshold,Total VOI volume,Object volume,Percent object volume,Total VOI surface,Object surface,Intersection surface,Object surface / volume ratio,Object surface density,Structure thickness,Structure separation,Structure linear density,Fragmentation index,Centroid (x),Centroid (y),Centroid (z),Structure model index,Degree of anisotropy,Eigenvalue 1,Eigenvalue 2,Eigenvalue 3,Fractal

dimension,Number of objects,Number of pores,Volume of pores,Percent porosity
,,U,,TV,Obj.V,Obj.V/TV,TS,Obj.S,i.S,Obj.S/Obj.V,Obj.S/TV,St.Th,St.Sp,St.Li.Dn,Fr.
I,Crd.X,Crd.Y,Crd.Z,SMI,DA,,,,FD,Obj.N,Po.N,Po.V,Po
,,um,,,,U^3,U^3,,U^2,U^2,U^2,1/U,1/U,U,U,1/U,1/U,U,U,U,,,,,,U^3,

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16:41,144.11818,mm,32,60,32158.04589,11958.88692,37.18785,27248.96975,32559.
96902,8665.90388,2.72266,1.01250,,,,-0.52134,-0.18324,-1.74034,63.24772,,,,,,,,,

[06/29/09 16:41:32] Bitwise operations
<Region of Interest> = COPY <Image>
[06/29/09 16:41:32] Bitwise operations done

[06/29/09 16:41:32] Reload Image
[06/29/09 16:41:32] Reload done

[06/29/09 16:41:32] Bitwise operations
<Image> = <Image> AND <Region of Interest>
[06/29/09 16:41:32] Bitwise operations done

[06/29/09 16:41:32] Histogram (3D space)

Unit:.,Attenuation

Dataset name:.,C:\Result\台灣小鼠診所\TMC test\Huang

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0.00140,	0.00151,	0.00162,	0.00173,	0.00183,	0.00194,	0.00205,
0.00216,	0.00226,	0.00237,	0.00248,	0.00259,	0.00270,	0.00280,
0.00291,	0.00302,	0.00313,	0.00324,	0.00334,	0.00345,	0.00356,
0.00367,	0.00377,	0.00388,	0.00399,	0.00410,	0.00421,	0.00431,
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0.00744, 0.00755, 0.00766, 0.00776, 0.00787, 0.00798, 0.00809,
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0.00971, 0.00981, 0.00992, 0.01003, 0.01014, 0.01025, 0.01035,
0.01046, 0.01057, 0.01068, 0.01078, 0.01089, 0.01100, 0.01111,
0.01122, 0.01132, 0.01143, 0.01154, 0.01165, 0.01175, 0.01186,
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0.02178, 0.02189, 0.02200, 0.02211, 0.02222, 0.02232, 0.02243,
0.02254, 0.02265, 0.02275, 0.02286, 0.02297, 0.02308, 0.02319,
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709,2947,3024,3386,3617,3824,4338,4826,5514,6179,7326,8325,9774,11623,13418,
15785,18611,35164,37746,40728,44478,48930,55302,62361,70318,79938,90853,103
889,116422,130094,143318,154831,164069,172091,176151,177139,175659,172492,
166777,158633,150778,142403,133781,124549,116707,109105,72687,64506,56217,
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,6642,5645,4781,4013,3509,2969,2604,2215,1917,1754,1539,1345,1178,1024,951,88
0,772,723,644,588,568,513,467,407,393,370,335,321,256,295,230,249,226,182,185,1
64,152,139,120,121,96,95,93,87,71,53,67,65,50,46,37,25,22,40,26,27,18,10,22,15,15,

11,14,17,8,7,11,9,6,6,3,8,5,3,6,2,3,3,1,3,1,0,0,1,0,2,0,1,2,0,0,1,1,0,0,1,1,0,0,0,1,1,0,0,
0,0,0,0,0,1,0,
0,0

Mean,Standard deviation,Standard error of mean,95% confidence limit
(minimum),95% confidence limit (maximum)

0.00542, 0.00119, 0.00000, 0.00542, 0.00542

Dataset name,Mean,Standard deviation,Standard error of mean,95% confidence limit
(minimum),95% confidence limit (maximum),Unit

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Wen\2009.06.16_FAT\UNA01\2009.06.16_una01__rec, 0.00542, 0.00119,
0.00000, 0.00542, 0.00542,Attenuation

[06/29/09 16:41:32] Save bitmaps(image inside ROI):

Destination folder: C:\Result\台灣小鼠診所\TMC test\Huang

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