腹部脂肪自动分割

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| --- | --- | --- | --- | --- |
| 自动分割  专家分割 | NAT | VAT | SAT | ∑ |
| NAT | 89407926  (84.42%) | 494804  (0.47%) | 339394  (0.32%) | 90242124  (85.21%) |
| VAT | 612562  (0.58%) | 6072788  (5.73%) | 26962  （0.03%） | 6712312  (6.34%) |
| SAT | 505568  (0.48%) | 43231  (0.04%) | 8402941  (7.93%) | 8951740  (8.45%) |
| Σ | 90526056  (85.48%) | 6610823  (6.24%) | 8769297  (8.28%) | 105906176  (100%) |

105906176 = 512\*512\*404

总体正确率：84.42%+5.73%+7.93% = 98.03%；

对于专家分割出的VAT，正确率：6072788/6712312\*100% = 90.47%；

对于专家分割出的SAT，正确率：8402941/8951740\*100% = 93.87%

右心室分割

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| --- | --- | --- | --- |
| 自动分割  专家分割 | 非右心室组织 | 右心室组织 | ∑ |
| 非右心室组织 | 11078103  (94.06%) | 76889  (0.65%) | 11154992  (94.71%) |
| 右心室组织 | 31449  (0.27%) | 591557  (5.02%) | 623056  （5.29%） |
| ∑ | 11109602  (94.32%) | 668446  (5.68%) | 11778048  (100%) |

11778048 = 256\*216\*213

总体正确率：94.06%+5.02% = 99.08%

对于专家分割出的右心室组织，正确率：591557/623056\*100% = 94.94%

颅脑分割

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 自动分割  专家分割 | 其他组织 | 白质 | 灰质 | ∑ |
| 其他组织 | 20574577 (87.21%) | 53597  (0.23%) | 163166  (0.69%) | 20791340  (88.13%) |
| 白质 | 185118  (0.78%) | 1025727  (4.35%) | 213335  （0.90%） | 1424180  (6.04%) |
| 灰质 | 37898  (0.16%) | 191040  (0.81%) | 1148502  (4.87%) | 1377440  (5.84%) |
| Σ | 20797593  (85.48%) | 1270364  (5.38%) | 1525003  (6.46%) | 23592960  (100%) |

23592960 = 512\*512\*90

总体正确率：87.32%+4.35%+4.87% = 96.54%

对于专家分割出的白质组织，正确率：1025727/1424180\*100%=72.02%

对于专家分割出的灰质组织，正确率：1148502/1377440\*100%=83.38%