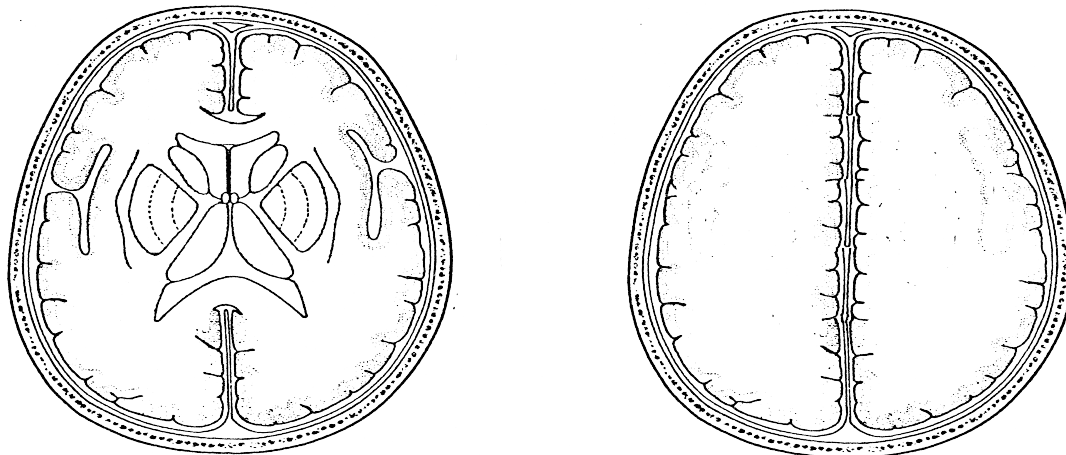


## ASPECTS score

The Alberta Stroke Program Early CT Score (ASPECTS) has been used to quantify early ischaemic change on CT brain scans of acute stroke patients and may be useful in identifying those who will potentially benefit from treatment with alteplase. For each of the 10 areas a point is subtracted if there is evidence of ischaemic damage there (e.g. reduced attenuation, loss of grey-white matter differentiation, focal swelling).

A scan with no ischaemia in the MCA territory would score 10 and a scan with diffuse involvement of all MCA territory would score 0.

### **Alberta Stroke Program Early CT Score (ASPECTS)**



#### Aspects

Score the ischaemic hemisphere 1=normal; 0=abnormal	Score
C - Caudate	
L - Lentiform	
I - Insula	
IC- Internal Capsule	
MCA 1 (anterior MCA cortex)	
MCA 2 (MCA cortex lateral to insular ribbon)	
MCA 3 (posterior MCA cortex)	
MCA 4 (posterior MCA territories immediately superior to M1)	
MCA 5 (posterior MCA territories immediately superior to M2)	
MCA 6 (posterior MCA territories immediately superior to M3)	
<b>TOTAL (add up)</b>	

NOTES: Score acute ischaemic changes only. Old infarcts should be ignored.

**95% probability of survival if ASPECTS >7, 99% probability of no SICH if ASPECTS >7, 90% probability of poor outcome if ASPECTS ≤**

#### References:

- 1) Use of the Alberta Stroke Program Early CT score (ASPECTS) for assessing CT scans in patients with acute strokes. Pexman et al. AJNR AM J Neuroradiol 22:1534-1542. Sept 2001

2) Extent of early ischemic changes on computed tomography (CT) before thrombolysis: prognostic value of the Alberta Stroke Program Early CT Score in ECASS II. Dzialowski et al. *Stroke*. 2006 Apr;37(4):973-8. Epub 2006 Feb 23.

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