Online Supplementary Material

Online Table 1) Number of "Growing" Aneurysms

Proportion of growing aneurysms according to different cut-off values. The number of aneurysms that have a change in measurements larger than a) 1mm, b) the 2D SDC and c) the 3D SDC. The number in brackets corresponds to the percentage of total number of aneurysms.

Cut Off Value	**Number of aneurysms (proportion %)**
No Cut Off: Total Number of Aneurysms	84 (100%)
Clinical > 1mm	
Observer A > 1mm	14 (17%)
Observer B > 1mm	16 (19%)
A&B agree >1mm	8 (10%)
2D SDC > 1.5 mm (height) or 2 mm (width)	
Observer A > 2D SDC	4 (5%)
Observer B > 2D SDC	6 (7%)
A&B agree > 2D SDC	2 (2%)
3D SDC > 0.062 ml in volume	
Observer A > 3D SDC	3 (4%)
Observer C > 3D SDC	3 (4%)
A&C agree > 3D SDC	2 (2%)
Both agree 3D&2D	1 (1%)

Online Table 2) Location dependent interobserver reliability (ICC) for change measurements

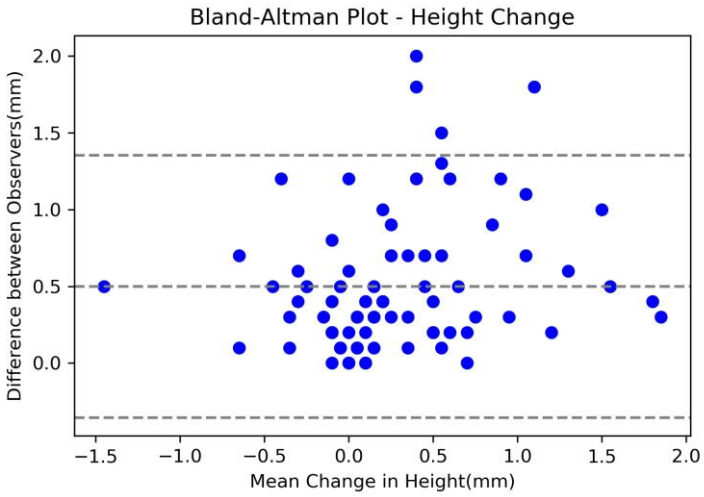
Aneurysm Location	ICC for 2D Change in Height	ICC for 2D Change in Width	ICC for 2D Change in Neck	ICC for 3D Change in Volume
ACA/ACoA	0.46 (0.01, 0.76)	0.50 (0.08, 0.77)	0.04 (-0.46, 0.50)	0.91 (0.78, 0.97)
ICA/PCoA	0.52 (0.16, 0.76)	0.35 (-0.06, 0.66)	0.38 (-0.01, 0.68)	0.74 (0.47, 0.88)
MCA	0.30 (-0.04, 0.58)	0.47 (0.16, 0.70)	0.15 (-0.18, 0.46)	0.55 (0.25, 0.75)
Post Circ	0.83 (0.51, 0.95)	0.79 (0.41, 0.94)	0.37 (-0.21, 0.77)	0.75 (0.29, 0.93)

Values are provided as intraclass correlation coefficient (ICC) on absolute agreement (95% confidence interval). ACA/ACoA: Anterior Cerebral or Communicating Artery, ICA/PCoA: Internal Carotid Artery, Posterior Communicating Artery, MCA: Middle Cerebral Artery, Post Circ: Posterior Circulation.

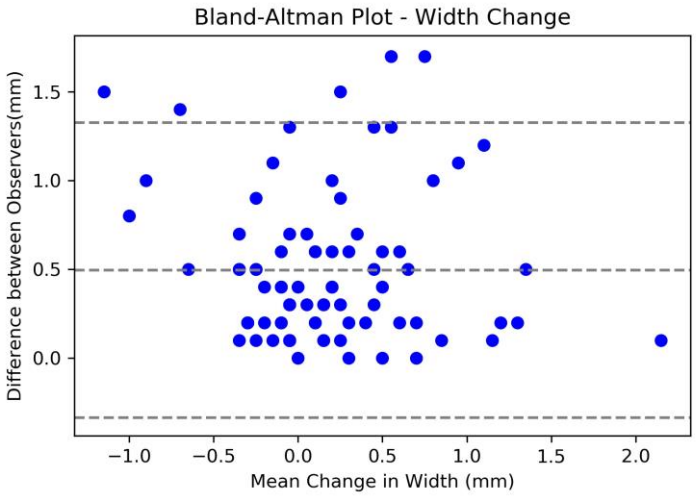
Online Figure 1) Bland Altman Plots assessing agreement of the change between the baseline and follow-up measurements of the aneurysms by two observers.

The centre line represents the mean difference of the change measurement (in mm/ml) between the two observers. The upper and lower dashed lines represent the upper and lower limits of agreement respectively (mean difference ±1.96 × standard deviation). (a) 2D height, (b) 2D width (c) 2D neck and (d) 3D volume

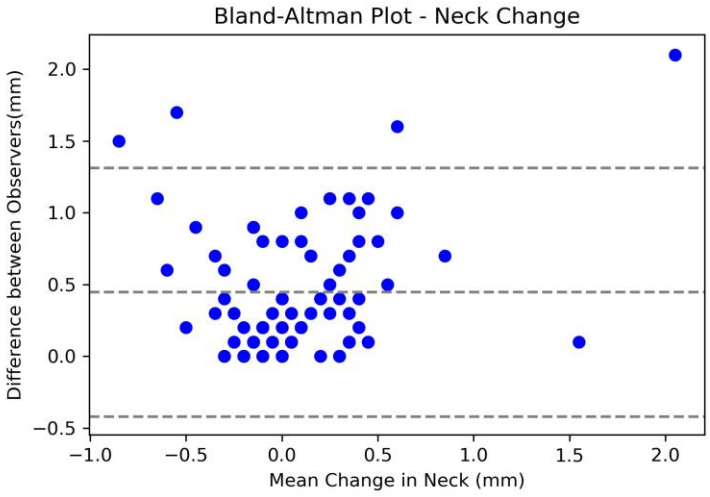
(a)



(b)



(c)



(d)