



**Figure S1** Bland-Altman plots are used to show the agreement between the measurements of two neuroradiologists for the area,  $V_{v-max}$ ,  $V_{max}$ ,  $V_{avg}$  and  $Q$ . Bland-Altman plots show no substantial systematic bias between the two neuroradiologists.  $V_{v-max}$  maximum voxel velocity;  $V_{max}$  maximum velocity;  $V_{avg}$  average velocity;  $Q$ , average blood flow rate.