

Variation in Inter- Agreement for Spinal Canal & Spinal Cord Dimensions (Round 2; n=35; 5 raters) When a Single Observer is Left Out.

	All raters (95%CI)	w/o reader #1 (95%CI)	w/o reader #2 (95%CI)	w/o reader #3 (95%CI)	w/o reader #4 (95%CI)	w/o reader #5 (95%CI)
<i>Center of injury level</i>	0.99 (0.99, 1.00)	1.00 (1.00, 1.00)	0.99 (0.99, 1.00)	0.99 (0.99, 1.00)	0.99 (0.98, 1.00)	0.99 (0.99, 1.00)
<i>Rostral extent of spinal cord edema</i>	0.98 (0.98, 0.99)	0.99 (0.98, 0.99)	0.98 (0.97, 0.99)	0.98 (0.98, 0.99)	0.98 (0.98, 0.99)	0.98 (0.97, 0.99)
<i>Caudal extent of spinal cord edema</i>	0.97 (0.95, 0.98)	0.97 (0.95, 0.99)	0.96 (0.94, 0.98)	0.97 (0.95, 0.99)	0.97 (0.95, 0.99)	0.97 (0.95, 0.99)
<i>Rostral extent of spinal cord hemorrhage</i>	0.70 (0.58, 0.82)	0.75 (0.64, 0.86)	0.68 (0.54, 0.81)	0.76 (0.66, 0.87)	0.67 (0.53, 0.80)	0.66 (0.52, 0.80)
<i>Caudal extent of spinal cord hemorrhage</i>	0.69 (0.57, 0.82)	0.74 (0.62, 0.85)	0.67 (0.53, 0.81)	0.75 (0.64, 0.86)	0.66 (0.52, 0.80)	0.64 (0.50, 0.78)
<i>Hemorrhage Length (in mm)*</i>	0.54 (0.38, 0.69)	0.54 (0.37, 0.70)	0.54 (0.38, 0.71)	0.56 (0.40, 0.72)	0.53 (0.37, 0.70)	0.51 (0.34, 0.68)
<i>Edema Length (in mm) *</i>	0.60 (0.46, 0.74)	0.59 (0.44, 0.75)	0.52 (0.35, 0.69)	0.65 (0.50, 0.79)	0.69 (0.56, 0.82)	0.52 (0.35, 0.69)
<i>BASIC Score</i>	0.42 (0.35, 0.50)	0.43 (0.34, 0.53)	0.43 (0.34, 0.52)	0.44 (0.35, 0.53)	0.46 (0.37, 0.55)	0.35 (0.26, 0.44)
<i>Sagittal cord diameter at level of injury (in mm) *</i>	0.80 (0.70, 0.89)	0.82 (0.73, 0.91)	0.77 (0.67, 0.88)	0.76 (0.66, 0.87)	0.80 (0.71, 0.89)	0.82 (0.73, 0.90)
<i>Sagittal cord diameter at first rostral segment above injury (in mm) *</i>	0.22 (0.06, 0.37)	0.41 (0.23, 0.59)	0.18 (0.01, 0.36)	0.15 (-0.02, 0.32)	0.21 (0.04, 0.39)	0.21 (0.03, 0.39)
<i>Sagittal cord diameter at first caudal segment below injury (in mm) *</i>	0.47 (0.31, 0.63)	0.50 (0.32, 0.67)	0.52 (0.35, 0.69)	0.50 (0.33, 0.67)	0.41 (0.23, 0.59)	0.42 (0.24, 0.60)
<i>Sagittal canal measurement at level of injury (in mm) *</i>	0.71 (0.60, 0.83)	0.70 (0.57, 0.83)	0.68 (0.54, 0.81)	0.77 (0.67, 0.88)	0.73 (0.61, 0.85)	0.69 (0.56, 0.82)
<i>Sagittal canal measurement rostral to injury (in mm) *</i>	0.32 (0.15, 0.48)	0.52 (0.36, 0.69)	0.32 (0.13, 0.50)	0.27 (0.09, 0.45)	0.28 (0.09, 0.46)	0.26 (0.08, 0.44)
<i>Sagittal canal measurement caudal to injury (in mm) *</i>	0.38 (0.22, 0.55)	0.29 (0.11, 0.48)	0.38 (0.20, 0.56)	0.39 (0.21, 0.58)	0.52 (0.35, 0.69)	0.33 (0.15, 0.52)
<i>Anterior-posterior (a-p) diameter (in mm) of the spinal cord at the point of maximal compression or epicenter of injury*</i>	0.68 (0.55, 0.80)	0.69 (0.56, 0.82)	0.64 (0.50, 0.79)	0.66 (0.52, 0.80)	0.74 (0.63, 0.86)	0.65 (0.51, 0.79)
<i>Transverse (r-l) diameter (in mm) of the spinal cord at the point of maximal compression or epicenter of injury*</i>	0.33 (0.16, 0.49)	0.39 (0.20, 0.57)	0.30 (0.11, 0.48)	0.33 (0.15, 0.51)	0.36 (0.18, 0.54)	0.28 (0.10, 0.46)
<i>Anterior-posterior (a-p) diameter (in mm) of the spinal cord on axial image at the nearest adjacent rostral normal level*</i>	0.27 (0.11, 0.43)	0.54 (0.38, 0.71)	0.23 (0.05, 0.41)	0.17 (-0.00, 0.34)	0.27 (0.09, 0.46)	0.22 (0.05, 0.40)

Table 3. Variation in round 2 Inter-rater agreement (ICC) and confidence intervals for direct measures of spinal canal and spinal cord diameters (in mm) derived from sagittal and axial MRI images when a single reader evaluation is left out using methodology featured in Figures 3-5 using five raters and 35 patients. (*) Continuous data.