

**Table S2 Cut-off values and diagnostic accuracy of median nerve and comparative latency studies (COLS), Female.**

Age group	Cuf off	ROC	Sensitivity	Specificity	PPV	NPV
Median sensory latency at Digit II						
Whole cohort	3.5 ms	0.755 (0.711-0.8)	67.6% (61.8%-73%)	83.5% (75.2%-89.9%)	91.4% (86.8%-94.8%)	49.7% (42.3%-57.2%)
Group1 < 30 years	3.5 ms	0.658 (0.551-0.765)	31.6% (12.6%-56.6%)	100% (85.2%-100%)	100% (54.1%-100%)	63.9% (46.2%-79.2%)
Group2 30-39 years	3.6 ms	0.657 (0.549-0.765)	43.2% (28.3%-59%)	88.2% (63.6%-98.5%)	90.5% (69.6%-98.8%)	37.5% (22.7%-54.2%)
Group3 40-49 years	3.5 ms	0.799 (0.733-0.865)	63.5% (51.5%-74.4%)	96.3% (81%-99.9%)	97.9% (88.9%-99.9%)	49.1% (35.1%-63.2%)
Group4 50-59 years	3.5 ms	0.74 (0.643-0.836)	77.6% (68.5%-85.1%)	70.4% (49.8%-86.2%)	91.2% (83.4%-96.1%)	44.2% (29.1%-60.1%)
Group4 >60 years	4.3 ms	0.754 (0.653-0.856)	57.5% (40.9%-73%)	93.3% (68.1%-99.8%)	95.8% (78.9%-99.9%)	45.2% (27.3%-64%)
Palmdiff	Mixed palmar studies (palmdiff): Median latency (palm)-Ulnar latency(palm)					
Whole cohort	0.4	0.784 (0.739- 0.829)	71.8% (65.8%- 77.3%)	85% (76.5%- 91.4%)	92.3% (87.7%- 95.7%)	54.5% (46.3%- 62.5%)
Group1 < 30 years	0.4	0.611 (0.512- 0.71)	22.2% (6.41%- 47.6% )	100% (85.2%- 100%)	100% (39.8%- 100%)	62.2% (44.8%- 77.5%)
Group2 30-39 years	0.4	0.731 (0.632- 0.831)	52.5% (36.1%- 68.5%)	93.8% (69.8%- 99.8%)	95.5% (77.2%- 99.9%)	44.1% (27.2%- 62.1%)
Group3 40-49 years	0.4	0.835 (0.767- 0.904)	71.4% (59.4%- 81.6%)	95.7% (78.1%- 99.9%)	98% (89.6%- 100%)	52.4% (36.4%- 68%)
Group4 50-59 years	0.4	0.761 (0.658- 0.864)	85.6% (76.6%- 92.1%)	66.7% (44.7%- 84.4%)	90.6% (82.3%- 95.8%)	55.2% (35.7%- 73.6%)
Group4 >60 years	0.8	0.693 (0.566- 0.821)	52.9% (35.1%- 70.2%)	85.7% (57.2%- 98.2%)	90% (68.3%- 98.8%)	42.9% (24.5%- 62.8%)
Thumdiff	Median to radial comparison, thumbdiff: Median latency (D1)-Radial latency (D1)					
Whole cohort	0.7	0.758	68%	83.7%	91%	51.8%

		(0.712- 0.804)	(61.9%- 73.7%)	(75.1%- 90.2%)	(86%- 94.7%)	(44%- 59.5%)
Group1 < 30 years	0.8	0.667 (0.555- 0.779)	33.3% (13.3%- 59%)	100% (84.6%- 100%)	100% (54.1%- 100%)	64.7% (46.5%- 80.3%)
Group2 30-39 years	0.8	0.676 (0.562- 0.789)	47.6% (32%- 63.6%)	87.5% (61.7%- 98.4%)	90.9% (70.8%- 98.9%)	38.9% (23.1%- 56.5%)
Group3 40-49 years	0.5	0.844 (0.766- 0.922)	80.3% (69.1%- 88.8%)	88.5% (69.8%- 97.6%)	95% (86.1%- 99%)	62.2% (44.8%- 77.5%)
Group4 50-59 years	0.5	0.8 (0.702- 0.897)	92% (84.1%- 96.7%)	68% (46.5%- 85.1%)	90.9% (82.9%- 96%)	70.8% (48.9%- 87.4%)
Group4 >60 years	1.4	0.695 (0.589- 0.801)	45.7% (28.8%- 63.4%)	93.3% (68.1%- 99.8%)	94.1% (71.3%- 99.9%)	42.4% (25.5%- 60.8%)
Ringdiff	Median to ulnar comparison at ring finger study (ringdiff): Median latency (Digit IV)-Ulnar latency(Digit IV)					
Whole cohort	0.6	0.711 (0.666- 0.756)	54.5% (47.9%- 61%)	87.7% (79.9%- 93.3%)	90.7% (84.6%- 95%)	46.7% (39.6%- 53.9%)
Group1 < 30 years	0.7	0.611 (0.512- 0.71)	22.2% (6.41%- 47.6%)	100% (85.2%- 100%)	100% (39.8%- 100%)	62.2% (44.8%- 77.5%)
Group2 30-39 years	0.6	0.694 (0.596- 0.793)	44.7% (28.6%-61.7%)	94.1% (71.3%- 99.9%)	94.4% (72.7%- 99.9%)	43.2% (27.1%- 60.5%)
Group3 40-49 years	0.4	0.768 (0.681- 0.856)	65.6% (52.7%- 77.1%)	88% (68.8%- 97.5%)	93.3% (81.7%- 98.6%)	50% (34.6%- 65.4%)
Group4 50-59 years	0.4	0.682 (0.593- 0.771)	51.8% (40.6%- 62.9%)	84.6% (65.1%- 95.6%)	91.5% (79.6%- 97.6%)	35.5% (23.7%- 48.7%)
Group4 >60 years	1.2	0.733 (0.643- 0.824)	46.7% (28.3%-65.7%)	100% (78.2%-100%)	100% (76.8%-100%)	48.4% (30.2%-66.9%)
CSI	Combined sensory index: sum of palmdiff + thumbdiff + ringdiff					
Whole cohort	1.1	0.791 (0.743-0.839)	79.6% (74.1%- 84.4%)	78.6% (69.1% -86.2%)	90.5% (85.8%-94%)	60.2% (51.1%-68.7%)
Group1 < 30 years	1.0	0.755 (0.629- 0.881)	55.6% (30.8%- 78.5%)	95.5% (77.2%- 99.9%)	90.9% (58.7%- 99.8%)	72.4% (52.8%- 87.3%)
Group2 30-39 years	1.3	0.707(0.59- 0.824)	54.8% (38.7%- 70.2%)	86.7% (59.5%- 98.3%)	92% (74% -99%)	40.6% (23.7%- 59.4%)
Group3 40-49 years	0.9	0.876	83.8%	91.3%	96.6%	65.6%

		(0.802- 0.949)	(72.9%- 91.6%)	(72%- 98.9%)	(88.3%- 99.6%)	(46.8%- 81.4%)
Group4 50-59 years	1.1	0.793 (0.694-0.892)	87.8% (79.2%-93.7%)	70.8% (48.9%-87.4%)	91.9% (83.9%-96.7%)	60.7% (40.6%-78.5%)
Group4 >60 years	3.5	0.652 (0.542- 0.762)	37.5% (21.1%- 56.3%)	92.9% (66.1%- 99.8%)	92.3% (64%- 99.8%)	39.4% (22.9%- 57.9%)