

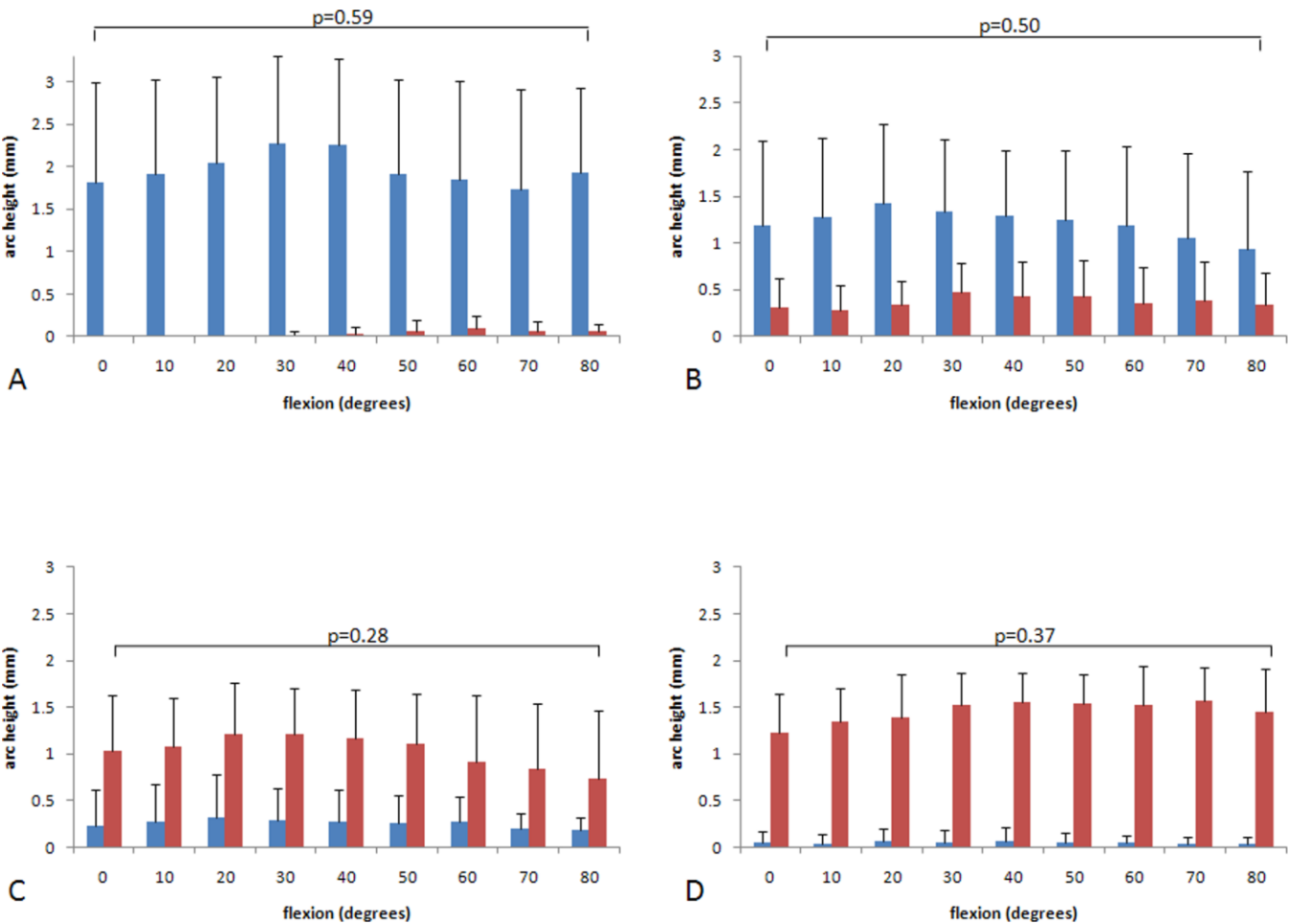


Fig. E-1
Bar graphs showing the arc heights (and standard deviation) of the radial accessory collateral ligament (blue) and the ulnar accessory collateral ligament (red) of the index finger (A), the middle finger (B), the ring finger (C), and the little finger (D) during flexion. The arc heights of the radial and ulnar accessory collateral ligaments did not change significantly during flexion.

TABLE E-1 Lengths of the Portions of the Collateral Ligaments During Flexion

Ligament	Finger	Portion	Length* (<i>mm</i>)	
			0° Flexion	80° Flexion
Radial collateral	Index	Dorsal	8.5 ± 2.3	13.5 ± 1.1
		Middle	12.1 ± 1.6	14.5 ± 1.4
		Volar	15.7 ± 1.3	16.1 ± 1.8
	Middle	Dorsal	7.2 ± 0.3	10.9 ± 0.6
		Middle	12.2 ± 1.2	13.7 ± 1.7
		Volar	15.9 ± 1.2	15.0 ± 1.5
	Ring	Dorsal	6.4 ± 1.0	9.9 ± 0.7
		Middle	9.8 ± 1.0	12.1 ± 0.9
		Volar	13.6 ± 1.1	13.9 ± 0.6
	Little	Dorsal	5.1 ± 0.7	9.1 ± 0.8
		Middle	8.2 ± 1.2	10.8 ± 1.1
		Volar	11.9 ± 1.3	12.4 ± 1.2
Ulnar collateral	Index	Dorsal	6.5 ± 1.4	11.3 ± 0.1
		Middle	9.6 ± 1.6	12.5 ± 1.3
		Volar	12.4 ± 2.2	12.9 ± 2.1
	Middle	Dorsal	6.6 ± 0.5	10.8 ± 0.8
		Middle	10.2 ± 0.3	12.3 ± 0.2
		Volar	13.7 ± 1.3	13.6 ± 1.4
	Ring	Dorsal	6.8 ± 1.1	10.6 ± 1.0

		Middle	10.5 ± 1.3	12.4 ± 1.4
		Volar	13.4 ± 1.4	13.4 ± 1.5
	Little	Dorsal	5.5 ± 0.5	8.6 ± 0.8
		Middle	9.1 ± 1.1	10.6 ± 1.7
		Volar	12.7 ± 1.6	12.4 ± 1.5

*The values are given as the mean and the standard deviation.

TABLE E-2 Lengths of the Portions of the Accessory Collateral Ligaments During Flexion

Ligament	Finger	Portion	Length* (<i>mm</i>)	
			0° Flexion	80° Flexion
Radial accessory collateral	Index	Dorsal	16.2 ± 2.0	15.6 ± 3.0
		Middle	15.2 ± 2.3	14.0 ± 2.3
		Volar	15.3 ± 2.1	11.4 ± 2.1
	Middle	Dorsal	15.9 ± 1.8	15.2 ± 2.1
		Middle	13.8 ± 1.9	12.2 ± 2.7
		Volar	13.0 ± 2.2	10.6 ± 2.6
	Ring	Dorsal	13.1 ± 0.4	13.3 ± 0.7
		Middle	10.7 ± 1.3	10.2 ± 1.1
		Volar	9.4 ± 1.5	8.3 ± 1.4
	Little	Dorsal	10.7 ± 0.8	10.2 ± 0.8
		Middle	9.2 ± 0.3	8.6 ± 0.3
		Volar	8.5 ± 0.6	7.3 ± 0.4
Ulnar accessory collateral	Index	Dorsal	12.6 ± 1.4	11.7 ± 1.6
		Middle	11.0 ± 1.2	9.8 ± 1.9
		Volar	10.7 ± 1.3	8.8 ± 1.5
	Middle	Dorsal	13.2 ± 1.9	13.6 ± 1.8
		Middle	12.3 ± 1.1	11.7 ± 1.4
		Volar	11.7 ± 1.3	10.0 ± 1.4
	Ring	Dorsal	13.0 ± 1.3	12.9 ± 1.7
		Middle	11.6 ± 1.7	10.7 ± 1.7

	Little	Volar	10.9 ± 2.4	8.8 ± 1.8
		Dorsal	11.9 ± 0.9	12.4 ± 1.7
		Middle	12.1 ± 1.0	11.3 ± 1.5
		Volar	11.9 ± 1.6	9.8 ± 1.4

*The values are given as the mean and the standard deviation.