

Appendix: Diameter per finger & flexor zone

Flexor zone 1*			Flexor zone 1				
			Thumb	Index finger	Middle finger	Ring finger	Small finger
Thumb	Mean (SD)	1.04 (0.18)	$P = 0.309$	$P = 0.478$	$P = 0.044$	$P = 0.015$	
Index finger	Median (IQR)	0.96 (0.92-1.01)					
Middle finger	Median (IQR)	1.02 (0.96-1.08)					
Ring finger	Mean (SD)	0.96 (0.13)					
Small finger	Mean (SD)	0.88 (0.15)					
Flexor zone 2			$P = 0.0038$	$P < 0.001$	$P = 0.003$	$P < 0.001$	$P < 0.001$
Thumb	Mean (SD)	1.15 (0.13)					
Index finger	Mean (SD)	1.15 (0.10)					
Middle finger	Mean (SD)	1.06 (0.10)					
Ring finger	Mean (SD)	1.04 (0.11)					
Small finger	Median (IQR)	0.99 (0.86-1.05)					
Flexor zone3			$P < 0.001$	$P = 0.002$	$P = 0.006$	$P < 0.001$	$P < 0.001$
Common palmar digital nerve							
Radial branch thumb	Median (IQR)	1.27 (1.15-1.32)					
Ulnar branch thumb	Median (IQR)	1.16 (1.13-1.28)					
Index finger	Mean (SD)	1.33 (0.19)					
Index and Middle finger	Mean (SD)	1.70 (0.27)					
Middle and Ring finger	Mean (SD)	1.67 (0.32)					
Ring and Small finger	Mean (SD)	1.50 (0.17)					
Small Finger**	Mean (SD)	1.13 (0.21)					
Flexor zone 4							

Median nerve (distal to the TCL)	Median (IQR)	4.61 (4.22-5.16)	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$
Median nerve (proximal to the TCL)	Mean (SD)	4.61 (0.59)	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$
Ulnar nerve (proximal to the Guyons' canal)	Mean (SD)	2.66 (0.34)	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$
Flexor zone 5			$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$
Median nerve (wrist crease)	Mean (SD)	4.50 (0.76)	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$
Ulnar nerve (wrist crease)^^	Mean (SD)	2.79 (0.33)	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$	$P < 0.001$

Flexor zone 1*			Flexor zone 2				
		Diameter (mm)	Thumb	Index finger	Middle finger	Ring finger	Small finger
Thumb	Mean (SD)	1.04 (0.18)					
Index finger	Median (IQR)	0.96 (0.92-1.01)					
Middle finger	Median (IQR)	1.02 (0.96-1.08)					
Ring finger	Mean (SD)	0.96 (0.13)					
Small finger	Mean (SD)	0.88 (0.15)					
Flexor zone 2							
Thumb	Mean (SD)	1.15 (0.13)					
Index finger	Mean (SD)	1.15 (0.10)					
Middle finger	Mean (SD)	1.06 (0.10)					
Ring finger	Mean (SD)	1.04 (0.11)					
Small finger	Median (IQR)	0.99 (0.86-1.05)					
Flexor zone3							
Common palmar digital nerve							
Radial branch thumb	Median (IQR)	1.27 (1.15-1.32)	P = 0.073	P = 0.017	P = 0.001	P = 0.001	P < 0.001
Ulnar branch thumb	Median (IQR)	1.16 (1.13-1.28)	P = 0.307	P = 0.293	P = 0.001	P < 0.001	P < 0.001
Index finger	Mean (SD)	1.33 (0.19)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Index and Middle finger	Mean (SD)	1.70 (0.27)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Middle and Ring finger	Mean (SD)	1.67 (0.32)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Ring and Small finger	Mean (SD)	1.50 (0.17)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Small Finger**	Mean (SD)	1.13 (0.21)	P = 0.547	P = 0.561	P = 0.076	P = 0.041	P < 0.001

Flexor zone 4			P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Median nerve (distal to the TCL)	Median (IQR)	4.61 (4.22-5.16)					
Median nerve (proximal to the TCL)	Mean (SD)	4.61 (0.59)					
Ulnar nerve (proximal to the Guyons' canal)	Mean (SD)	2.66 (0.34)					
Flexor zone 5							
Median nerve (wrist crease)	Mean (SD)	4.50 (0.76)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Ulnar nerve (wrist crease)^	Mean (SD)	2.79 (0.33)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001

Flexor zone 1*			Flexor zone 3						
Diameter (mm)			Radial branch thumb	Ulnar branch thumb	Index finger	Index & Middle finger	Middle & Ring finger	Ring & Small finger	Small finger**
Thumb	Mean (SD)	1.04 (0.18)							
Index finger	Median (IQR)	0.96 (0.92-1.01)							
Middle finger	Median (IQR)	1.02 (0.96-1.08)							
Ring finger	Mean (SD)	0.96 (0.13)							
Small finger	Mean (SD)	0.88 (0.15)							
Flexor zone 2									
Thumb	Mean (SD)	1.15 (0.13)							
Index finger	Mean (SD)	1.15 (0.10)							
Middle finger	Mean (SD)	1.06 (0.10)							
Ring finger	Mean (SD)	1.04 (0.11)							
Small finger	Median (IQR)	0.99 (0.86-1.05)							
Flexor zone3									
Common palmar digital nerve									
Radial branch thumb	Median (IQR)	1.27 (1.15-1.32)							
Ulnar branch thumb	Median (IQR)	1.16 (1.13-1.28)	<i>P</i> = 0.012						
Index finger	Mean (SD)	1.33 (0.19)	<i>P</i> = 0.087	<i>P</i> = 0.001					
Index and Middle finger	Mean (SD)	1.70 (0.27)	<i>P</i> < 0.001	<i>P</i> < 0.001	<i>P</i> < 0.001				
Middle and Ring finger	Mean (SD)	1.67 (0.32)	<i>P</i> < 0.001	<i>P</i> < 0.001	<i>P</i> < 0.001	<i>P</i> = 0.651			
Ring and Small finger	Mean (SD)	1.50 (0.17)	<i>P</i> < 0.001	<i>P</i> < 0.001	<i>P</i> < 0.001	<i>P</i> = 0.001	<i>P</i> = 0.015		

Small Finger**	Mean (SD)	1.13 (0.21)	P = 0.060	P = 0.838	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Flexor zone 4								
Median nerve (distal to the TCL)	Median (IQR)	4.61 (4.22-5.16)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Median nerve (proximal to the TCL)	Mean (SD)	4.61 (0.59)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Ulnar nerve (proximal to the Guyons' canal)	Mean (SD)	2.66 (0.34)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Flexor zone 5			P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Median nerve (wrist crease)	Mean (SD)	4.50 (0.76)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001
Ulnar nerve (wrist crease)^^	Mean (SD)	2.79 (0.33)	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001	P < 0.001

Flexor zone 1*			Flexor zone 4			Flexor zone 5
Diameter (mm)			Median nerve (distal to the TCL)	Median nerve (prox. to the TCL)	Ulnar nerve (prox. to guyon canal)	Median nerve (wrist crease)
Thumb	Mean (SD)	1.04 (0.18)				
Index finger	Median (IQR)	0.96 (0.92-1.01)				
	Median (IQR)	1.02 (0.96-1.08)				
Middle finger	Mean (SD)	0.96 (0.13)				
Ring finger	Mean (SD)	0.88 (0.15)				
Small finger						
Flexor zone 2						
Thumb	Mean (SD)	1.15 (0.13)				
Index finger	Mean (SD)	1.15 (0.10)				
Middle finger	Mean (SD)	1.06 (0.10)				
Ring finger	Mean (SD)	1.04 (0.11)				
Small finger	Median (IQR)	0.99 (0.86-1.05)				
Flexor zone3						
Common palmar digital nerve						
Radial branch thumb	Median (IQR)	1.27 (1.15-1.32)				
Ulnar branch thumb	Median (IQR)	1.16 (1.13-1.28)				

Index finger	Mean (SD)	1.33 (0.19)				
Index and Middle finger	Mean (SD)	1.70 (0.27)				
Middle and Ring finger	Mean (SD)	1.67 (0.32)				
Ring and Small finger	Mean (SD)	1.50 (0.17)				
Small Finger**	Mean (SD)	1.13 (0.21)				
Flexor zone 4						
Median nerve (distal to the TCL)	Median (IQR)	4.61 (4.22-5.16)				
Median nerve (proximal to the TCL)	Mean (SD)	4.61 (0.59)	P = 0.679			
Ulnar nerve (proximal to the Guyons' canal)	Mean (SD)	2.66 (0.34)	P < 0.001	P < 0.001		
Flexor zone 5						
Median nerve (wrist crease)	Mean (SD)	4.50 (0.76)	P = 0.372	P = 0.458	P < 0.001	P < 0.001
Ulnar nerve (wrist crease)^^	Mean (SD)	2.79 (0.33)	P < 0.001	P < 0.001	P = 0.173	