

VALUE OF POWER DOPPLER AND GRAY-SCALE US IN THE DIAGNOSIS OF CARPAL TUNNEL SYNDROME

Thesis

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SUMMARY AND CONCLUSION

Carpal tunnel syndrome (CTS) or compression neuropathy of the median nerve at the wrist is the most common form of peripheral entrapment neuropathy and it is particularly prevalent in middle-aged women. Although, it can be caused by many diseases, more than 50% of cases are idiopathic.

This study was performed to evaluate the role of high-resolution ultrasonography (HRUS) and power Doppler in the evaluation of carpal tunnel syndrome (CTS).

Our study was conducted upon twenty-eight adult patients (24 females and 4 males) with unilateral or bilateral carpal tunnel syndrome, with disease duration ranging from 1 year to 15 years. Their ages ranged from, 26 to 56 years.

All patients were subjected to the following:

- History taking.
- EMG with in one week before ultrasonography
- Gray scale ultrasonography
- Power Doppler examination in cases showing hyper vascular of median nerve & tenosynovitis

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَأَنْزَلَ اللَّهُ عَلَيْكَ
الْكِتَابَ وَالْحِكْمَةَ
وَعَلَّمَكَ مَا لَمْ
كَانَ تَعْلَمُ وَكَانَ
فَضْلُ اللَّهِ عَلَيْكَ
عَظِيمًا

صدق الله العظيم

سورة النساء آية (١١٢)



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Majwa Ibrahim Khalil



This work is dedicated to . . .

*My husband and my lovely kids for being the
light of my life*

*My beloved father, to whom I owe everything I
ever did in my life and will achieve.*

My mother for always being there for me

*Finally My brothers and my sisters for their
support*

List of Contents

<i>Title</i>	<i>Page No.</i>
<i>Introduction</i>	<i>1</i>
<i>Aim of the Work</i>	<i>4</i>
<i>Review of Literature</i>	
▪ <i>Gross Anatomy of the Carpal Tunnel</i>	<i>5</i>
▪ <i>Sonographic and Power Doppler Normal Anatomy of Carpal Tunnel Structures</i>	<i>16</i>
▪ <i>Pathology of Carpal Tunnel Syndrome</i>	<i>27</i>
▪ <i>Physics of ultasound & power Doppler</i>	<i>40</i>
▪ <i>Sonographic Techniques and Power Doppler Technique of Carpal Tunnel</i>	<i>49</i>
▪ <i>Value of Ultrasound & Power Doppler for Imaging of Carpal Tunnel Syndrome</i>	<i>54</i>
<i>Materials and Methods</i>	<i>74</i>
<i>Results</i>	<i>78</i>
<i>Illustrative Cases</i>	<i>91</i>
<i>Discussion</i>	<i>135</i>
<i>Summary and Conclusion</i>	<i>144</i>
<i>References</i>	<i>146</i>
<i>Arabic Summary</i>	

List of Figures

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (1):	Proximal portion of the carpal tunnel. (A) the crpal tunnel contains nine tendons & median nerve(B) the retinaculum (arrows)appears as aribbon-like	6
Fig. (2):	Distal carpal tunnel. distally the retinaculum, which is about 3-4 cm wide, inserts to the trapezium & the hook of hamate	7
Fig. (3):	Carpel bones (palmar surface).....	8
Fig. (4):	Coronal section through the distal radius and ulna, the carpus and the proximal ends of the metacarpals	9
Fig. (5):	Motor and sensory branches of The median nerve	11
Fig. (6):	Structures of the anterior aspect of the wrist.....	14
Fig. (7):	Dual longitudinal views of the flexor pollicis longus tendon	17
Fig. (8):	Proximal portion of carpal tunnel.....	18
Fig. (9):	Distal portion of carpal tunnel.....	19
Fig. (10):	Schematic drawing illustrating the inner structure of a peripheral nerve.....	20
Fig. (11):	A Longitudinal sonogram of the wrist in a healthy volunteer demonstrating typical appearance of peripheral nerve.....	21
Fig. (12):	Corresponding transverse sonogram (a) and plastinated anatomic section (b) of cadaver.	21
Fig. (13):	Normal retinaculum.....	23
Fig. (14):	Persistant median artery.	25
Fig. (15):	Bifid median nerve.	26
Fig. (16):	The sensory innervation at of the median nerve at the volar and palmar aspect at the right hand	29
Fig. (17):	Tinel's sign is performed applying repeated digital percussion over the median nerve in a proximodistal direction.....	30
Fig. (18):	Phalen's test is a provocation test done through maximal wrist flexion maintained for approximately 60 s	30

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (19):	Transverse and longitudinal sonograms through median nerve at wrist level in normal B-mode (a,D), with addition of tissue harmonic imaging (b, D)	44
Fig.(20):	Transverse and longitudinal transducer positions for sonographic evaluation of flexor tendons of the wrist including carpal tunnel structures.....	51
Fig. (21):	(a) Transverse sonogram of median nerve (arrow) at tunnel inlet. (b) Transverse sonogram shows outer margin of median nerve at tunnel inlet.....	52
Fig. (22):	Extensive increase in the cross-sectional area of the median nerve and loss of reticular pattern in a patient with CTS.....	57
Fig. (23):	a) Ultrasound longitudinal scan. Carpal tunnel syndrome. b) Ultrasound axial scan. Carpal tunnel syndrome.	57
Fig. (24):	Idiopathic carpal tunnel syndrome.	58
Fig. (25):	Decreased median nerve mobility in patients with carpal tunnel syndrome	60
Fig. (26):	Carpal tunnel syndrome caused by an accessory muscle belly.....	61
Fig. (27):	Palm ganglion with median nerve compression. Photograph (right) shows the area scanned.....	62
Fig. (28):	Ganglion cyst of radiocarpal joint.	62
Fig. (29):	Longitudinal (a) and transverse (b) sonogram through median nerve in a patient with sharp transection of the nerve and intrafascicular repair.....	63
Fig. (30):	Carpal tunnel syndrome in tenosynovitis of the flexor tendons.	64

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (31):	A) Axial US image at the level of the distal radioulnar joint proximal to the carpal tunnel. B) compare with the imaging appearance of the median nerve in a normal subject C) the longitudinal US image of the symptomatic patient.....	65
Fig. (32):	Longitudinal image demonstrates hypoechoic active vascular tenosynovitis within the tendon sheath.....	66
Fig. (33):	Carpal tunnel syndrome in a 52-year-old man with rheumatoid arthritis. Longitudinal (a) and transverse (b) 10–13-MHz US images obtained at the distal radius show abnormally increased effusion.....	67
Fig. (34):	A 43-year-old woman with longstanding RhA who developed symptoms of CTS.....	67
Fig. (35):	Patient with rheumatoid arthritis.	68
Fig. (36):	Longitudinal sonogram.....	69
Fig. (37):	Median nerve neurofibroma. Photograph (middle) shows the area scanned.....	70
Fig. (38):	Carpal tunnel syndrome in a 48-year-old woman with multiple myeloma and deposits of amyloid in the deep carpal tunnel.....	71
Fig. (39):	A, Bifid median nerve with almost equal branches (branches A and B). B, Bifid median nerve with a thicker lateral (L) than medial (M) branch.	73
Fig. (40):	Showing the frequency of the carpal tunnel syndromes according to their sex distribution.....	78
Fig. (41):	Relation between mild-mod. and severe EMG and cross sectional area, flattening index and vascularity	82

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (42):	Regression analysis showing correlation between Cross-sectional area and flattening index	85
Fig. (43):	Regression analysis showing correlation between vascularity and duration	86
Fig. (44):	Regression analysis showing correlation between vascularity and flattening index	86
Fig. (45):	Regression analysis showing correlation between vascularity and cross-sectional area	87
Fig. (46):	Relation between nerve sliding and cross-sectional area, vascularity and duration	89
Fig. (47):	Relation between EMG and nerve sliding.....	90
Fig. (48):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome; the cross sectional area is 0.11cm^2 (11mm^2).....	92
Fig. (49):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.11	92
Fig. (50):	Longitudinal US view shows minimal thickening of left median nerve at the proximal entrance of carpal tunnel.(o.21cm) and (o.31cm) distally	93
Fig. (51):	Dynamic us shows minimal decreased median nerve mobility in patient with carpal tunnel syndrome.	93
Fig. (52):	Longitudinal and Transverse US image of left median nerve shows The number of vessels 1 (score one).	94
Fig. (53):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrom; the cross sectional area is 0.13cm^2 (13mm^2).....	96

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (54):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 2.85	96
Fig. (55):	Longitudinal US view shows minimal thickening of left median nerve at the proximal entrance of carpal tunnel.(0.21cm) and (0.31cm) distally	97
Fig. (48):	Dynamic US shows minimal decreased in median nerve mobility in patient with carpal tunnel syndrome	97
Fig. (56):	Longitudinal and Transverse US image of left median nerve shows the number of vessels 1 (score one).	98
Fig. (57):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome; the cross sectional area is 0.15cm ² (15mm ²)	100
Fig. (58):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.08.....	100
Fig. (59):	Longitudinal image of right median nerve shows swelling at carpal tunnel with abrupt increase in diameter measure (0.33cm) and mild swelling distally measure (0.23 cm)	101
Fig. (60):	Dynamic US shows decreased median nerve mobility in patient with carpal tunnel syndrome.....	101
Fig. (61):	Longitudinal and Transverse US image of left median nerve shows the number of vessels 3.....	102
Fig. (62):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome; the cross sectional area is 0.15cm ² (15mm ²)	104
Fig. (63):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.11.....	104

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (64):	Longitudinal view shows marked thickening of right median nerve at the proximal entrance of carpal tunnel. (0.25cm) and distally measure (0.15cm)	105
Fig. (65):	Dynamic US shows decreased median nerve mobility in patient with carpal tunnel syndrome.....	105
Fig. (66):	Longitudinal and Transverse US image of left median nerve shows The number of vessels 2 (score two).....	106
Fig. (67):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome; the cross sectional area is 0.15cm ² (15mm ²)	108
Fig. (68):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.25	108
Fig. (69):	Longitudinal us view shows minimal thickening of left median nerve at the proximal entrance of carpal tunnel.(0.25cm) and (0.18)distally	109
Fig. (70):	Longitudinal and Transverse US image of left median nerve shows The number of vessels 2 (score two).....	110
Fig. (71):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome; the cross sectional area is 0.14cm ² (14mm ²)	112
Fig. (72):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.12	112
Fig. (73):	Longitudinal US view shows thickening of left median nerve at the proximal entrance of carpal tunnel.(0.30) and (0.23)distally.	113
Fig. (74):	Dynamic US shows little decreased in median nerve mobility in patient with carpal tunnel syndrome.	113

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (75):	Longitudinal and transverse US image of left median nerve shows the number of vessels 2 (score two).....	114
Fig. (76):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome; the cross sectional area is 0.24cm ² (24mm ²), Extensive increase in the cross-sectional area of the median nerve and loss of reticular pattern in a patient with CTS.....	116
Fig. (77):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.16 (median nerve is pointed with two lines perpendicular to each other)	116
Fig. (78):	Longitudinal view shows marked thickening of right median nerve at the proximal entrance of carpal tunnel measure (0.40cm) and distally measure(0.20cm) (notch sign).....	117
Fig. (79):	Dynamic US shows abscent median nerve mobility in patient with carpal tunnel syndrome.....	117
Fig. (80):	Longitudinal and Transverse US image of right median nerve shows the number of vessels 4(score 3).....	118
Fig. (81):	Transverse US image of right median nerve (outlined) at level of carpal tunnel in patient with carpal tunnel syndrome, the cross sectional area is 0.19cm ² (19 mm ²)	120
Fig. (82):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.22 (median nerve is pointed with two lines perpendicular to each other)	120

List of Figures (cont...)

<i>Fig. No.</i>	<i>Title</i>	<i>Page No.</i>
Fig. (83):	Longitudinal view shows marked thickening of left median nerve at the proximal entrance of carpal tunnel. measure (0.20cm) and mild nerve swelling distally measure(0.33cm) (notch sign).....	121
Fig. (84):	Dynamic US shows abscent median nerve mobility in patient with carpal tunnel syndrome.....	121
Fig. (85):	Longitudinal and Transverse US image of left median nerve shows the number of vessels more than 4(score three).	122
Fig. (86):	Extensive increase in the cross-sectional area of the median nerve measure 0.20 cm ² (20mm ²) and loss of reticular pattern	124
Fig. (87):	Transverse US image of left median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.94	124
Fig. (88):	Dynamic US shows absent median nerve mobility in patient with carpal tunnel syndrome.....	125
Fig. (89):	Longitudinal and Transverse US image of left median nerve shows the number of vessels more than 4 (score three).	126
Fig. (90):	Transverse US image of right median nerve showes Extensive increase in the cross-sectional area of the median nerve measure o.26cm ² (26mm) and loss of reticular pattern in a patient with CTS.....	128
Fig. (91):	Transverse US image of right median nerve. Median nerve is flattened at hamate bone level, with flattening ratio of 3.22	128
Fig. (92):	Longitudinal US image of right median nerve shows abrupt flattening of the median nerve in the carpal tunnel and swelling of the nerve proximal to the compression point measure(o.24cm) and (o.34cm) distally.....	129
Fig. (93):	Dynamic US shows absent a median nerve mobility in patient with carpal tunnel syndrome.....	129