



()

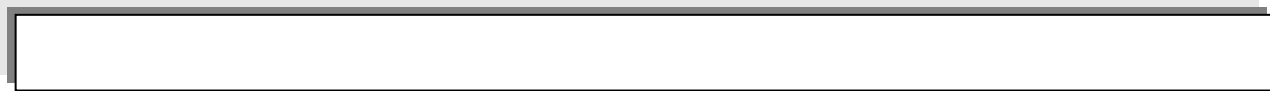
// : // :

(// //) ()
() . E.M.G N.C.V:

% % % / . /

- ()
- ()
- ()
- ()

¹ Tinel sign
² Phalen test



()

)

% ()

% ()

%

() % / ()

()

%	% /	% /	% /	% /	% /	% /	

% /

%

(M/F= /)

()

%	%	%
%	%	%
% /	%	% /

⁸ Double Crush syndrome
⁹ Specificity
¹⁰ Sensitivity



%

()

^

()

(.)

()

/

()
/
/
/
/
/
/
/
/

:CTS

()

()

CTS

()

/

/

()

()

()

CTS

()

/

/

C.T.S

(%)

()

⁸ Sir James Paget
⁹ Singhl



(-)

C.T.S

CTS

+

+

+

CTS

%

.()

/

(% - %)

Archive of SID

.()

CTS

.()

¹⁴ Jablecki CK

¹⁰ Szabo

¹¹ Durkan test

¹² Semmes- Weinstein monofilament pressure test

¹³ Jordan R

References:

- 1- Carrie R Swigart. Hand and wrist pain. **In:** Kelley's Textbook of Rheumatology. 6th ed. vol 2. USA: WB sanders; 2001 .chapter 4 .p. 566 - 71.
- 2- Bruske J, Bednarski M, Grzelec H .Zyuk A. The usefulness of the Phalen test and the Hoffmann- Tinel sign in the diagnosis of carpal tunnel syndrome. **Acta or hop Belg** 2002; 68(2):141- 5.
- 3- R.Brich G .Carpal tunnel Syndrome.**In:** Surgical Disorders of perripheral Nerves. Churchill. Livingstone; 1998 .chapter 12. P: 270.
- 4- Hansen PA, Micklesen P, Robinson LR. Clinical Utility of the Flick maoneurer in diagnosing Carpal Tunnel syndrome. **Am J phys Med Rehabil** 2004; 83(5): 363 - 7.
- 5- Jablecki CK, Andary MT, Floeter MK , et al .Second AAEM literature review of the usefulness of nerve conduction studies and needle electromyography for the evaluation of patients with carpal tunnel syndrome .**Muscle Nerve** 2002 ; 11.
- 6- Daniel Dumitru. Electro Diagnostic Medicine. philadelphia :Mosby ;1995.
- 7- Kimora Ju. Electo Diagnosis in Disease of Nerve and Muscle: Philadelphia Davis Company; 1995.
- 8 - Kuhlman KA. Hennessey WJ. Sensitivity and specificity of carpal tunnel syndrome Signs. **4 M J phys Med Rehabil** 1997 Nov- Dec; 76(6): 451- 7.
- 9- Phillip E. Wiglth. Carpal tunnel and Ulnar tunnel syndromes.**In:** S.Terry. Canale: Campbell's operative orthopaedic .10th ed. USA: Mosby; 2003.vol (4). Cap73. p. 3761 -71.
- 10 - M Victor.Disease of peripheral nerves. **In:** Principles of Neurology. 7th ed. USA: MC Grawhill; 2001.vol3.chap 46. p. 1433-4.
- 11- Bahou YG. Carpal tunnel syndrome: a series observed at Jordan University Hospital (JUH). **Clin Neurol Neurosurg** 2002; 104(1): 49- 53.
- 12 - Halikisetal. Compression neuropathies of Upper extremity. **In:** M.W. Chapman. Chapman's orthopaedic surgery.3th ed .USA: Lippincott's; 2001. vol 2.chap 52 .P . 1545 - 61.
- 13- Becker J, Nora DB, Gomes I, et al. An evaluation of gender, obesity, age and diabetes mellitus as risk factors for carpal tunnel syndrome. **Clin Neurophysiol** 2002; 113(9): 1429 - 34.
- 14- Tan EK, Koh KK, Arulanandam S, et al. Restless hand symptoms in carpal tunnel syndrome. **Int J Clin Parct** 2004; 58(11):1000 - 2.
- 15- Nora DB, Becker J, Enlers JA, Gomes I. Clinical features of 1039 P. patients with Neurophysiological diagnosis of carpal tunnel syndrome. **Clin Neurol Neurosurg** 2004; 107(1): 64 - 9.
- 16- Singhl, Kook M, et al. The Carpal tunnel syndrome: clinical Evaluation and Results of Surgical decompression. **Ann Acad Med Singapore** 1994; 23 (1):94 - 7.
- 17- Singhl, Kook M, Krishnamoorthy S. The carpal tunnel syndrome: clinical evaluation and Results of surgical decompression. **Ann Acad Med Singapore** 1994; 23(1):94-7.
- 18- Sharma V, Wilder – Smith EP. Self – administered hand symptom diagram for Carpal tunnel syndrome diagnosis. **J Hand surg [Br]** 2004; 29(6): 571 -4.
- 19- Jordan R, Carter T, Cummins C. A systematic review of the Utility of electodiagnostic testing in Carpal tunnel syndrome. **Br J Gen Pract** 2002; 52 (481): 149 - 50.