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Name of Journal: World Journal of Diabetes

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Manuscript Type: ORIGINAL ARTICLE

*Observational Study*

**1** Effect of pioglitazone on nerve conduction velocity of the median nerve in the carpal tunnel in type-2 diabetes patients

Sudip Chatterjee, Debmalya Sanyal, Sourav Das Choudhury, Mili Bandyopadhyay, Suraj Chakraborty, Arabinda Mukherjee

**Abstract**

**Aim:** To evaluate the impact of Pioglitazone pharmacotherapy in **1** median nerve electrophysiology in the carpal tunnel among type 2 diabetes patients.

**Methods:** The study was executed in patients with Type 2 diabetes, treated with oral drugs, categorized under pioglitazone or non-pioglitazone group (14 in each group), and who received electrophysiological evaluation by Nerve Conduction Velocity at baseline and 3 months.<sup>1</sup>

**Results:** At 3 months, Pioglitazone-category had inferior amplitude in sensory median nerve. (8.5 (IQR=6.5 to 11.5) vs non-Pioglitazone 14.5 (IQR 10.5 to 18.75). (p=0.002) Non-

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### The Spectrum of Diabetic Neuropathies

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作者: JA Tracy · 2008 · 被引用次数: 74 · [相关文章](#)

Sural **nerve** biopsies of diabetic **patients** with peripheral neuropathy reveal .... the groups in motor or sensory **nerve conduction velocities**, vibration thresholds, ..... Median neuropathy at the wrist, or **carpal tunnel** syndrome, can present with ... **affects patients** with **type 2 diabetes** mellitus; the **median** age of presentation is 65 ...

缺少字词: **pioglitazone**

### Median nerve conduction impairment in patients with diabetes...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: J Lewko · 2013 · 被引用次数: 9 · [相关文章](#)

2013年3月25日 - Equally, diabetes can **affect** the **median nerve** as a mononeuropathy or as ... with widespread **nerve** damage, not confined to the **carpal** region [13]. ... Twenty one of the **patients** had a diagnosis of type 1 and 50, **type 2 diabetes** and all ... of the **median nerve** (distal motor latency-DML and **conduction velocity** ...

缺少字词: **pioglitazone**

### Nerve conduction velocity - Wikipedia, the free encyclopedia

[https://en.wikipedia.org/wiki/Nerve\\_conduction\\_velocity](https://en.wikipedia.org/wiki/Nerve_conduction_velocity) ▾ [翻译此页](#)

**Nerve conduction velocity** is an important aspect of **nerve conduction** studies. It is the speed at ... Different sensory receptors are innervated by different **types** of **nerve** fibers. Proprioceptors are innervated by **type Ia**, **Ib** and **II** sensory fibers, ... **the effect** of these various factors on the normal values for **nerve conduction** ...

缺少字词: **pioglitazone**

### Diabetic Neuropathy - Diabetes Care

[care.diabetesjournals.org/content/30/4/1027.full](http://care.diabetesjournals.org/content/30/4/1027.full) ▾ [翻译此页](#)



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### Median nerve conduction impairment in patients with diabetes and its ...

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作者: J Lewko - 2013 - 被引用次数: 9 - 相关文章

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缺少字词: pioglitazone

### Presence of carpal tunnel syndrome in diabetics: effect of age, sex ...

[www.ncbi.nlm.nih.gov/pubmed/4072571](http://www.ncbi.nlm.nih.gov/pubmed/4072571) ▾ [翻译此页](#)

作者: G Comi - 1985 - 被引用次数: 42 - 相关文章

Presence of carpal tunnel syndrome in diabetics: effect of age, sex, diabetes ... CTS in diabetics and associated risk factors were studied in 401 patients (208 males and ... Median nerve sensory and motor conduction velocity, ulnar and peroneal ... Mellitus, Type 1/physiopathology; Diabetes Mellitus, Type 2/physiopathology ...

缺少字词: pioglitazone

### Carpal tunnel syndrome - NCBI - National Institutes of Health

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The patient with mild symptoms of CTS can be managed with conservative ... It is due to an entrapment of the median nerve in the carpal tunnel at the wrist (Figure 1). ... It is a condition of middle-aged individuals and affects females more often than ..... of CTS there is usually a delay in the sensory nerve conduction velocity.

缺少字词: pioglitazone

### Practical Diabetes Care, 3rd Ed. Excerpt #21: Diabetic Neuropathy

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### Median nerve conduction impairment in patients with diabetes and its ...

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作者: J Lewko - 2013 - 被引用次数: 9 - 相关文章

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