

Name of Journal: *World Journal of Diabetes*

ESPS Manuscript NO: 25911

Manuscript Type: Minireviews

Entrapment neuropathies in diabetes mellitus

Eugenia Rota, Nicola Morelli

Abstract

Neuropathy is a common complication of diabetes mellitus with a wide clinical spectrum that encompasses generalized to focal and multifocal forms. Entrapment neuropathies, which are focal forms, are so frequent at any stage of the diabetic disease, that they may be considered a neurophysiological hallmark of peripheral nerve involvement in diabetes mellitus. Indeed, entrapment neuropathies may be the earliest neurophysiological abnormalities in diabetes mellitus, particularly in the upper limbs, even in the absence of a generalized polyneuropathy, or it may be superimposed on a generalized diabetic neuropathy. This remarkable frequency of entrapment neuropathies in diabetes is underlain by a peculiar pathophysiological background. Due to the metabolic alterations consequent to altered glucose metabolism, the peripheral nerves show both functional impairment and structural changes, even in the preclinical stage, making them more prone to entrapment in anatomically constrained channels. This review discusses the most common and relevant entrapment neuropathies encountered in diabetic patient in their epidemiological, pathophysiological and diagnostic features.

Key words: Diabetes mellitus; Neuropathy; Diabetic neuropathy; Median entrapment

Match Overview

1	CrossCheck 140 words Rota, E., and D. Cocito. "Electrodiagnostic testing in diabetic neuropathy: Which limb?", <i>Diabetes Research and Clinical Endocrinology</i> , 2015.	2%
2	CrossCheck 120 words Cartwright, Michael S., and Francis Q. Walker. "Neuronal injury in common entrapment neuropathies: A review of the literature." <i>Journal of Neurology</i> , 2014.	2%
3	CrossCheck 99 words E. Stamboulis. "Symptomatic focal mononeuropathies in diabetic patients: increased or not?", <i>Journal of Neurology</i> , 2014.	1%
4	CrossCheck 79 words Eugenia Rota. "Electrophysiological findings of peripheral neuropathy in newly diagnosed type II diabetes mellitus." <i>World Journal of Diabetes</i> , 2015.	1%
5	Internet 64 words crawled on 08-Oct-2014 www.unboundmedicine.com	1%
6	CrossCheck 57 words Juan A. Acosta. "Ulnar neuropathy in the forearm: A possible complication of diabetes mellitus", <i>Muscle & Nerve</i> , 2011.	1%
7	Internet 57 words crawled on 16-Jun-2016 lup.lub.lu.se	1%
8	CrossCheck 45 words Robert A. Werner. "Electrodiagnostic evaluation of carpal tunnel syndrome", <i>Muscle & Nerve</i> , 10/2011	1%
9	CrossCheck 43 words Valdivia Valdivia, Juan Martin, Martin Weinand, Christopher T. Maloney, Andrew L. Blount, and Arnold Lee Dellon.	1%
10	CrossCheck 41 words	1.0%



全部 图片 新闻 视频 地图 更多 ▾ 搜索工具

找到约 371,000 条结果 (用时 0.41 秒)

Google 学术: Entrapment neuropathies in diabetes mellitus

The double crush in nerve-entrapment syndromes - Upton - 被引用次数: 753

Focal entrapment neuropathies in diabetes - Vinik - 被引用次数: 118

... neuropathies a statement by the American Diabetes ... - Boulton - 被引用次数: 1555

Focal Entrapment Neuropathies in Diabetes - Diabetes Care

care.diabetesjournals.org/content/27/7/1783.full ▾ 翻译此页

作者: A Vinik - 2004 - 被引用次数: 118 - 相关文章

The **entrapment neuropathies** are highly prevalent in the diabetic population, obesity, age and **diabetes mellitus** as risk factors for carpal tunnel syndrome.

Diabetic neuropathy - NCBI - National Institutes of Health

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ 翻译此页

作者: V Bansal - 2006 - 被引用次数: 149 - 相关文章

Chronic inflammatory demyelinating polyneuropathy with **diabetes mellitus** The other **entrapment neuropathies in diabetic** patients are ulnar, radial, lateral ...

Pathomechanism of entrapment neuropathy in diabetic and ...

www.ncbi.nlm.nih.gov/pubmed/17999372 ▾ 翻译此页

作者: T Nishimura - 2008 - 被引用次数: 11 - 相关文章

Pathomechanism of **entrapment neuropathy in diabetic** and nondiabetic rats ... **Diabetes Mellitus**, Experimental/pathology*, Diabetic Neuropathies/etiology ...

Ulnar entrapment neuropathy in patients with type 2 ... - NCBI

www.ncbi.nlm.nih.gov/pubmed/24565211 ▾ 翻译此页

作者: E Rota - 2014 - 被引用次数: 2 - 相关文章

2014年2月3日 - Ulnar **entrapment neuropathy** in patients with type 2 **diabetes mellitus**: an electrodiagnostic study. Rota E(1). Zavaroni D(2). Parietti L(3). ...



全部 图片 新闻 视频 地图 更多 ▾ 搜索工具

找到约 1,560,000 条结果 (用时 0.53 秒)

Google 学术: Entrapment neuropathies in diabetes mellitus

Focal entrapment neuropathies in diabetes - Vinik - 被引用次数: 123

... neuropathies a statement by the American Diabetes ... - Boulton - 被引用次数: 1618

The pathology of diabetic neuropathy - Thomas - 被引用次数: 343

Focal Entrapment Neuropathies in Diabetes | Diabetes Care

care.diabetesjournals.org/content/27/7/1783 - 翻译此页

作者: A Vinik - 2004 - 被引用次数: 123 - 相关文章

The entrapment neuropathies are highly prevalent in the diabetic population, obesity, age and diabetes mellitus as risk factors for carpal tunnel syndrome.

Diabetic neuropathy - NCBI - National Institutes of Health

www.ncbi.nlm.nih.gov › NCBI › Literature › PubMed Central (PMC) ▾ 翻译此页

作者: V Bansal - 2006 - 被引用次数: 150 - 相关文章

Chronic inflammatory demyelinating polyneuropathy with diabetes mellitus The other entrapment neuropathies in diabetic patients are ulnar, radial, lateral ...

Pathomechanism of entrapment neuropathy in diabetic and ... - NCBI

www.ncbi.nlm.nih.gov/pubmed/17999372 ▾ 翻译此页

作者: T Nishimura - 2008 - 被引用次数: 10 - 相关文章

Pathomechanism of entrapment neuropathy in diabetic and nondiabetic rats ... Diabetes Mellitus, Experimental/pathology*; Diabetic Neuropathies/etiology ...

Ulnar entrapment neuropathy in patients with type 2 diabetes mellitus ...

www.sciencedirect.com/science/article/pii/S0168822714000540 ▾ 翻译此页

作者: E Rota - 2014 - 被引用次数: 2 - 相关文章

This study aimed to assess the prevalence and electrophysiological features of ulnar entrapment neuropathy in patients with type 2 diabetes mellitus (DM).



全部 图片 新闻 视频 更多 ▾ 搜索工具

找到约 1,570,000 条结果 (用时 0.50 秒)

Google 学术: Entrapment neuropathies in diabetes mellitus

Focal entrapment neuropathies in diabetes - Vinik - 被引用次数: 123

... neuropathies a statement by the American Diabetes ... - Boulton - 被引用次数: 1624

The pathology of diabetic neuropathy - Thomas - 被引用次数: 343

Focal Entrapment Neuropathies in Diabetes | Diabetes Care

care.diabetesjournals.org/content/27/7/1783 - 翻译此页

作者: A Vinik - 2004 - 被引用次数: 123 - 相关文章

The **entrapment neuropathies** are highly prevalent in the diabetic population, obesity, age and **diabetes mellitus** as risk factors for carpal tunnel syndrome.

Diabetic neuropathy - NCBI - National Institutes of Health

www.ncbi.nlm.nih.gov/pubmed/17999372 ▾ 翻译此页

作者: V Bansal - 2006 - 被引用次数: 150 - 相关文章

Chronic inflammatory demyelinating polyneuropathy with **diabetes mellitus** The other **entrapment neuropathies in diabetic** patients are ulnar, radial, lateral

Pathomechanism of entrapment neuropathy in diabetic and ... - NCBI

www.ncbi.nlm.nih.gov/pubmed/17999372 ▾ 翻译此页

作者: T Nishimura - 2008 - 被引用次数: 10 - 相关文章

Pathomechanism of **entrapment neuropathy in diabetic** and nondiabetic rats ... **Diabetes Mellitus**, Experimental/pathology*; **Diabetic Neuropathies/etiology** ...

Ulnar entrapment neuropathy in patients with type 2 diabetes mellitus ...

www.sciencedirect.com/science/article/pii/S0168822714000540 ▾ 翻译此页