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5 Peripheral nerve tumors of the hand: clinical features, diagnosis, and treatment

Zhou HY *et al.* **5** Peripheral nerve tumors of the hand

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Abstract

Majority of the tumors arising from the peripheral nerves of the hand are relatively benign. However, once diagnosed as **1** malignant peripheral nerve sheath tumor (MPNST), it causes destructive consequence. Clinical **1** signs and symptoms are usually **caused by** direct and indirect effects of the tumor, such as nerve invasion or compression and infiltration of surrounding tissues. Definitive diagnosis is made by tumor biopsy. Complete surgical removal with maximum reservation of residual

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To diagnosis a peripheral nerve tumor, your doctor may ask you about signs and symptoms, discuss your medical history, and perform both a general physical and neurological exam. He or she may order several tests to help pinpoint the cause of your signs and symptoms. 1. Magnetic resonance imaging (MRI).This scan uses a magnet and radio waves to produce a detailed, 3-D view of your nerves and surrounding tissue. 2. Computerized tomography (CT).A CT scanner rotates around your body to record a series of ...

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Overview

Symptoms

Causes

Risk Factors

Complications

Peripheral nerve tumors are growths in or near the strands of tissue (nerves) that transmit signals from your brain to the rest of your body. These nerves control your muscles so that you can walk, blink, swallow, pick things up and do other activities.Peripheral nerve tumors can occur anywhere in the body. Most of them aren't cancerous (malignant), but they can lead to pain, nerve damage and loss of function in the affected area.Treatment of peripheral nerve tumors usually involves surgery t...

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Peripheral nerve tumors affect nerves by growing within them (intranearal tumors) or by pressing against them (extraneural tumors). Most are benign. Different types of benign peripheral nerve tumors include: Schwannoma. The most common benign peripheral nerve tumor in adults, a schwannoma, can occur anywhere.



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Symptoms and signs of peripheral nerve tumors are caused by direct nerve invasion, involvement of surrounding tissues, or mass effect. There are no specific clinical presentations unique or even especially suggestive of a particular nerve tumor, with the exception of neurofibromatosis type 1 (NF1) and type 2 (NF2).

PEOPLE ALSO ASK

- How to diagnose peripheral nerve tumors? ▾
- What is the treatment for peripheral nerve tumors? ▾
- What is a benign peripheral nerve tumor? ▾
- What are the complications of peripheral nerve cancer? ▾

Feedback

MPNST: Diagnosis, Treatment, Prognosis and Research

<https://sarcomaahelp.org/mpnst.html>

Malignant Peripheral Nerve Sheath Tumors (MPNST) by David S. Geller, MD and Mark Gebhardt, MD Also available in Chinese and Italian. Introduction. Malignant peripheral nerve sheath tumors (MPNSTs) are sarcomas which originate from peripheral nerves or from cells associated with the nerve sheath, such as Schwann cells, perineural cells, or fibroblasts. . Because MPNSTs can arise from multiple ...

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Nerve sheath tumor surgery is designed to remove the tumor as completely as possible. In most cases, these tumors can be removed and the nerves preserved. In the rare cases where keeping the nerve intact is impossible, nerve repair is often performed at the same time as the tumor removal surgery. In the case of schwannomas, the nerve can ...

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Your doctor will review your medical history, ask about any accidents or previous surgeries, and discuss your symptoms with you. Your doctor will also conduct a physical and neurological examination. If your neurological examination shows signs of a nerve injury, your doctor may recommend diagnostic tests, which may include: 1. Electromyography (EMG). In an EMG, a thin-needle electrode inserted into your muscle r...

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Chinese expert consensus on the clinical diagnosis and ...

<https://acsjournals.onlinelibrary.wiley.com/doi/full/10.1002/cncr.32832>

Supportive treatment. Common symptoms related to treatment, such as fatigue, chemotherapy-induced peripheral neurotoxicity, hand-foot syndrome, noninfectious pneumonia, oral mucositis, edema, and nausea and vomiting, should be closely observed and well managed.

Innovative Treatment of Peripheral Nerve Injuries ...

<https://www.researchgate.net/publication/221771212...>

Autologous nerve graft repair has become a gold standard for treatment of peripheral nerve injury combined with defects (Dellon and Mackinnon, 1988). ... often supported by clinical symptoms, of ...

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