



Dolore Neuropatico ASPETTI EPIDEMIOLOGICI E APPROPRIATA CLASSIFICAZIONE

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DEFINITION OF NEUROPATHIC PAIN

VIEWS & REVIEWS

Neuropathic pain

Redefinition and a grading system for clinical and research purposes

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- J.N. Campbell, MD G. Cruccu, MD
- J.O. Dostrovsky, PhD J.W. Griffin, MD P. Hansson, MD
- DMSc, DDS R. Hughes, MD
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ABSTRACT

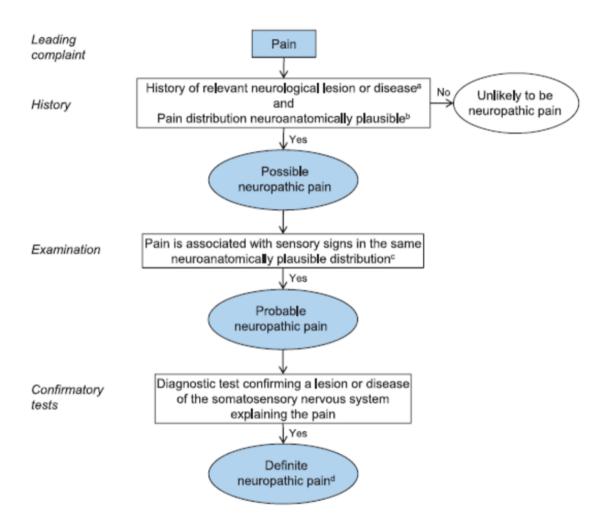
Pain usually results from activation of nociceptive afferents by actually or potentially tissuedamaging stimuli. Pain may also arise by activity generated within the nervous system without adequate stimulation of its peripheral sensory endings. For this type of pain, the International Association for the Study of Pain introduced the term neuropathic pain, defined as "pain initiated or caused by a primary lesion or dysfunction in the nervous system." While this definition has been useful in distinguishing some characteristics of neuropathic and nociceptive types of pain, it lacks defined boundaries. Since the sensitivity of the nociceptive system is modulated by its adequate activation (e.g., by central sensitization), it has been difficult to distinguish neuropathic dysfunction from physiologic neuroplasticity. We present a more precise definition developed by a group of experts from the neurologic and pain community: pain arising as a direct consequence of a lesion or disease affecting the somatosensory system. This revised definition fits into the nosoloay of neurologic disorders. The reference to the somatosensory system was derived from a wide range of neuropathic pain conditions ranging from painful neuropathy to central poststroke pain. Because of the lack of a specific diagnostic tool for neuropathic pain, a grading system of definite, probable, and possible neuropathic pain is proposed. The grade possible can only be regarded as a working hypothesis, which does not exclude but does not diagnose neuropathic pain. The grades probable and definite require confirmatory evidence from a neurologic examination. This grading system is proposed for clinical and research purposes. Neurology 2008;70:1630-1635

Pain arising as a direct consequence of a lesion or disease affecting the somatosensory system





THE DIAGNOSIS IS NOT EASY ...











Editorial Board

Editor-in-Chief

Jane C. Ballantyne, MD, FRCA

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Diagnosis and Classification of Neuropathic Pain

The exact prevalence of neuropathic pain is not known.



Haanpää and Treede Diagnosis and classification of neuropathic pain Pain Clinical Updates , 2010







Journal of Clinical Epidemiology

Journal of Clinical Epidemiology 68 (2015) 957-966

Neuropathic pain screening questionnaires have limited measurement properties. A systematic review

Stephanie Mathieson^{a,*}, Christopher G. Maher^a, Caroline B. Terwee^b, Tarcisio Folly de Campos^a, Chung-Wei Christine Lin^a

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NEUROPATHIC PAIN, QUESTIONNAIRES, EPIDEMIOLOGY

- The Douleur Neuropathique 4 (DN4)
 ID Pain,
- 3) Leeds Assessment of Neuropathic Symptoms and Signs (LANSS)
 - 4) Pain- DETECT
 - 5) Neuropathic Pain Questionnaire

Although these screening questionnaires may provide an indication of the presence of neuropathic pain, they cannot replace a clinical assessment.







PAIN® 155 (2014) 654-662



www.elsevier.com/locate/pain

Comprehensive review

Neuropathic pain in the general population: A systematic review of epidemiological studies



O. van Hecke a,*, Sophie K. Austin b, Rafi A. Khan c, B.H. Smith A, N. Torrance a





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PROBLEMS OF NEUROPATHIC PAIN EPIDEMIOLOGY

Epidemiological research in this area can be problematic, and the reasons for this are multifactorial:

- 1) the lack of agreed, valid case definitions that truly reflect the condition(s) under consideration and that are feasible to apply in population-based studies;
 - 2) heterogeneous studies of variable quality, using different means of case ascertainment;
 - 3) inclusion or exclusion of cases in which pain is not a primary presenting complaint





BETWEEN 6.9% AND 10% ...

A best estimate of population prevalence of pain with neuropathic characteristics is likely to lie between 6.9% and 10%.









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Haanpää and Treede Diagnosis and classification of neuropathic pain Pain Clinical Updates , 2010



CLASSIFICATION OF NEUROPATHIC PAIN

Table 1 Classifications of neuropathic pain

Location:

peripheral (nerve, plexus, dorsal root ganglion, root) central (spinal, brainstem, thalamus, cortex)

Etiology:

trauma

ischemia or hemorrhage

inflammation

neurotoxic

neurodegeneration

paraneoplastic

metabolic

vitamin deficiency

cancer

Symptoms and Signs:

pain quality

sensory loss

sensory gain

Mechanisms:

ectopic discharges

loss of inhibition

peripheral sensitization

central sensitization



Haanpää and Treede Diagnosis and classification of neuropathic pain Pain Clinical Updates , 2010



NEUROPATHIC PAIN?

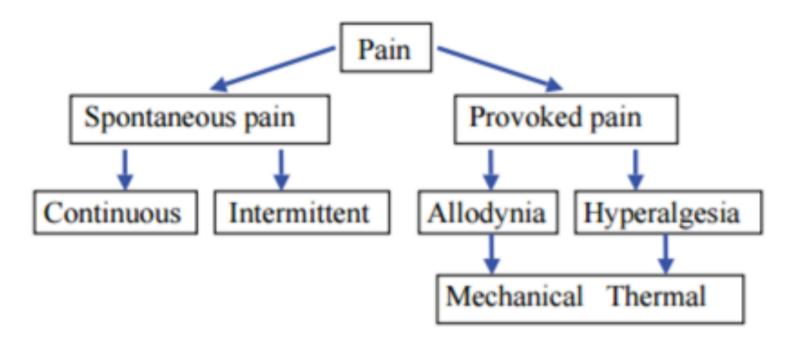


Fig. 1. Components of neuropathic pain.









Pain 77 (1998) 227-229

Editorial

Towards a mechanism-based classification of pain?

Clifford J. Woolf*, Gary J. Bennett, Michael Doherty, Ronald Dubner, Bruce Kidd, Martin Koltzenburg, Richard Lipton, John D. Loeser, Richard Payne, Eric Torebjork

Received 18 May 1998; accepted 1 June 1998





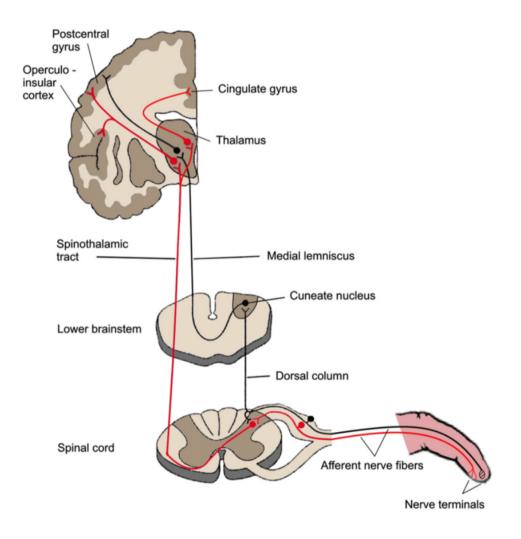
CLASSIFICAZIONE DEL DOLORE NEUROPATICO E SISTEMA SOMATOSENSORIALE

Se il DN è legato ad un coinvolgimento del sistema nervoso somatosensoriale, allora la classificazione del DN dovrà tenere conto delle differenze anatomo-fisiologiche che caratterizzano tale sistema.





SOMATOSENSORY SYSTEM: 2 PATHWAYS







ALCUNI MECCANISMI SONO UBIQUITARI

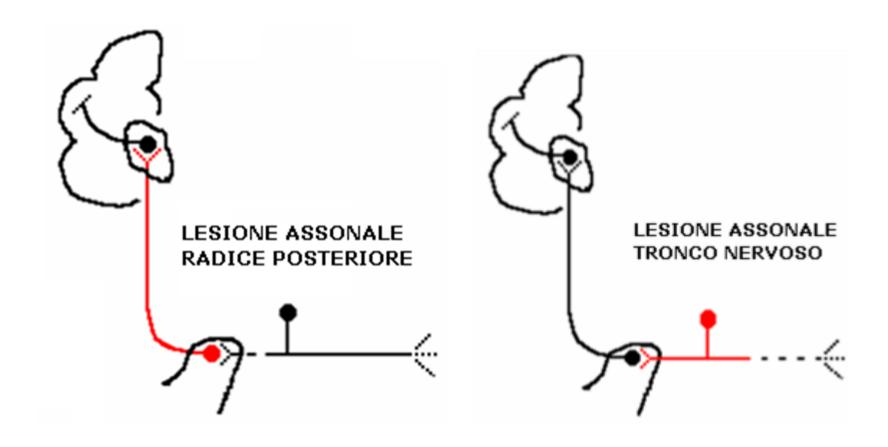
Lo stesso meccanismo puo' essere presente sia nel sistema nervoso periferico che nel sistema nervosa centrale

Ad esempio, la moltiplicazione di impulsi





ALTRI MECCANISMI DIFFERISCONO IN BASE ALLA LORO LOCALIZZAZIONE

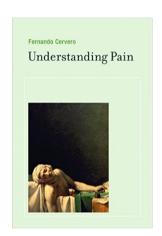






THE NEEDS OF FURTHER CLASSIFICATIONS ...





We must make further distinctions and subclassifications to accommodate all the various forms of abnormal and normal pain.





www.paviapainschool.it





LA TERAPIA DEL DOLORE NEL MONDO REALE leggi il Manifesto della Scuola

















