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Headache Pathogenesis Monoamines Neuropeptides Purines

The papers in this book give an up to date account of many interesting findings relating to monoamines, neuropeptides, particularly calcitonin related gene peptide, the purines and NO in the pathogenesis of migraine. One can immediately appreciate the many potential steps at which the process could be interrupted with new anti-migraine drugs.

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1. Author(s): Olesen,Jes; Edvinsson,Lars Title(s): Headache pathogenesis : monoamines, neuropeptides, purines, and nitric oxide/ editors, Jes Olesen, Lars Edvinsson.

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Monoamine neurotransmitters (NTs) are a subgroup of biogenic amines that contain an amino and aromatic group and function as NTs. The 3 categories of monoamine NTs are the catecholamines, which include dopamine (DA), norepinephrine (NE), and epinephrine (EP); the indolamine serotonin (abbreviated by its chemical name 5-hydroxytryptamine [5-HT]); and the imidazolamine histamine (HA) (Figure 9-1).

Neurotransmitter Systems II: Monoamines, Purines ...

INTRODUCTION. Migraine is a neurological syndrome characterized by altered perceptions, headaches, and nausea. Migraine is an invalidating disturbance largely spread (>12%) in the world population, having the form of an autonomous disease, as well secondary or indirect (2-3%), in this last case being only a pathologic symptom of different etiologies.

Migraine: An Overview

Headache Classification Committee of the International Headache Society. Classification and diagnostic criteria for headache disorders, cranial neuralgia, and facial pain. Cephalalgia 1988; 8 (Suppl. 7): 1 - 96. Google Scholar

Urinary Nitric Oxide Metabolites and Lipid Peroxidation By ...

This web page summarizes information in PubChem about patent US-7893052-B2. This includes chemicals mentioned, as reported by PubChem contributors, as well as other content, such as title, abstract, and International Patent Classification (IPC) codes.

CGRP receptor antagonists - Patent US-7893052-B2 - PubChem

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Biology Photosynthesis Packet Answers

In the last 30 years dopamine has been considered as playing a role in the pathogenesis of migraine. ... the area believed to be involved in headache pain, ... Headache pathogenesis: monoamines, neuropeptides, purines and nitric oxide. Philadelphia, PA: Lippincott-Raven, ...

Dopamine and Migraine: Biology and Clinical Implications ...

1. Introduction. Chronic tension-type headache affects 3% of the population and represents a considerable health problem (Rasmussen et al., 1991). Recent studies suggest that central sensitization, i.e. increased excitability of neurons in the central nervous system, generated by prolonged nociceptive input from the pericranial myofascial tissues plays an important role in the pathophysiology ...

Plasma levels of substance P, neuropeptide Y and ...

It is possible that tumor necrosis factor may have played a role in initiating the clusterlike headache. 1997 Headache Pathogenesis: Monoamines, Neuropeptides, Purines, and Nitric Oxide, edited by J. Olesen and L. Edvinsson. Amines, Purines, and Amino Acids in Tension-Type Headache and Cluster Headache

KYNURENINE IN THE BRAIN: 2004

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Prehospital Emergency Medicine Challenges And Options In ...

1. Saper, Joel R, Hamel R, et al.: Handbook of Headache Management: A Practical Guide to Diagnosis and Treatment of Head, Neck, and Facial Pain. Baltimore: Lippincott Williams & Wilkins; 1999. This handbook is a great review of the pathophysiology of migraine. The authors review the various neurotransmitters involved in migraine pathogenesis and practical treatment guidelines for nonheadache ...

Efficacy of intravenous diphenhydramine versus intravenous ...

CGRP-mediated activation of the trigeminovascular system may play a key role in migraine pathogenesis. Additionally, CGRP activates receptors on the smooth muscle of intracranial vessels, leading to increased vasodilation, which is thought to contribute to headache pain during migraine attacks (Lance, Headache Pathogenesis: Monoamines, Neuropeptides, Purines and Nitric Oxide, Lippincott-Raven ...

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CGRP-mediated activation of the trigeminovascular system may play a key role in migraine pathogenesis. Additionally, CGRP activates receptors on the smooth muscle of intracranial vessels, leading to increased vasodilation, which is thought to contribute to headache pain during migraine attacks (Lance, Headache Pathogenesis: Monoamines, Neuropeptides, Purines and Nitric Oxide, Lippincott-Raven ...

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The pathogenesis of trigeminal neuralgia remains largely unknown. "Peripheral" as well as "central" causes have been suggested. To investigate the role of serotonergic, noradrenergic, dopaminergic, and peptidergic systems, we determined the concentrations of epinephrine, norepinephrine, and their breakdown product, vanillylmandelic acid, in the cerebrospinal fluid of 16 patients (55.3 +/- 8.3 ...

Cerebrospinal fluid neuropeptides and monoaminergic ...

Wolff and colleagues demonstrated more than fifty years ago that stimulation of vessels in the dura mater, such as the middle meningeal artery and the superior sagittal sinus (SSS), caused aching, throbbing, and penetrating headaches as well as typical referred pain. This has served as one important element in the current discussion of migraine pathogenesis with dural vessels currently held as ...

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