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Name of Journal: *World Journal of Hematology*

Manuscript NO: 34006

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Aspirin cures erythromelalgia and cerebrovascular disturbances in JAK2-thrombocythemia through platelet-cyclooxygenase inhibition

Jan Jacques Michiels

Abstract

Hypersensitive (sticky) platelets in JAK2-mutated essential thrombocythemia (ET) and polycythemia vera (PV) with thrombocythemia spontaneously activate at high shear in arterioles, secrete their inflammatory prostaglandin endoperoxides and induce platelet-mediated arteriolar fibromuscular intimal proliferation. Constitutively activated JAK2 mutated hypersensitive (sticky) platelets spontaneously aggregate at high shear in the endarteriolar circulation as the cause of



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Headache in essential thrombocythaemia - NCBI - NIH

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: R Frewin - 2012 - 被引用次数: 7 - 相关文章

2012年8月14日 - In patients with ET, headaches may be attributable to the **disease**, to the prescribed ET ... **Treatment** is primarily focused on reducing the risk of **thrombotic** ... visual **disturbances**, which bear a similarity to **migraine** aura (11,13). ... Possible **causes** of headache associated with **platelet** dysfunction include ...

Neurologic and visual symptoms in essential thrombocythemia - NCBI

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作者: PJ Koudstaal - 1997 - 被引用次数: 53 - 相关文章

Neurologic and visual symptoms in essential **thrombocythemia**: efficacy of low-dose ... transient sludging or occlusion of the cerebral **arterial microvasculature**. ... by control of **platelet** function with low dose **aspirin** alone or reduction of **platelet** ... Transient/diagnosis; **Migraine Disorders**/diagnosis; Paresthesia/**drug** therapy ...

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... broad spectrum of microvascular circulation **disturbances** including **erythromelalgia** and ... The microvascular circulation **disturbances** are caused by spontaneous ... is obtained with the **platelet cyclooxygenase inhibitor aspirin** 50-100 mg/day, ... Polycythemia Vera/drug therapy; **Thrombocytopenia**, Essential/complications* ...

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^[DOC] **Platelet thrombophilia in thrombocytopenia - F6 Publishing Home**

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6 May 2013 ... Essential thrombocythemia (ET) and polycythemia vera (PV) frequently present
... Inhibition of platelet cyclooxygenase (COX1) by aspirin is followed by the ... collagen
stimulated platelets), which was significantly higher in JAK2^{V617F} After treatment of
erythromelalgia with aspirin 500 mg per day in 7 ...

[Aspirin and Platelet-Lowering Agents for the Prevention of Vascular ...](https://www.researchgate.net/.../12589955_Aspirin_and_Platelet-Lowering_Agents_for_the_Prevention_of_Vascular_Complications_in_Essential_...)https://www.researchgate.net/.../12589955_Aspirin_and_Platelet-Lowering_Agents_for_the_Prevention_of_Vascular_Complications_in_Essential_...

Symptomatic essential thrombocythemia patients with erythromelalgia and ... aspirin for the
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JAK2^{V617F} mutated MPN patients ranged from attacks of ... on aspirin in ET and PV result in
endothelial damage, probable through release ...