

Herb-partitioned moxibustion eases chronic inflammatory visceral pain through

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Rats that modeled chronic visceral hyperalgesia received suspended moxibustion at ... the prevention and treatment of diseases through the actions of meridians and acupoints[1]. ... Our previous study indicated that herb-partition moxibustion was a ... pain by modulating the concentrations of enkephalins in the spinal cord.

[Effects of moxibustion on dynorphin and endomorphin in rats with ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2928463/)

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28 Aug 2010 ... METHODS: The rat model of chronic visceral hyperalgesia was ... RESULTS: Moxibustion significantly decreased visceral pain to CRD in this rat model, and no ... could relieve pain by increasing the concentration or expression of ... Dyn in spinal cord (ng/L) = concentration × dilution times of the sample.

[Warming Moxibustion Relieves Chronic Visceral Hyperalgesia in ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3612466/)

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16 Mar 2013 ... Chronic visceral hyperalgesia (CVH) has been identified as an important ... by activating spinal OFQ-OFQ receptor system in inflammatory pain model [25]. ... Prior to experimental manipulation, rats were allowed to acclimate for 3 ... Effects of WM on the expression of dynorphin in L6-S1 spinal cord tested ...

[rat mi model: Topics by Science.gov](https://www.science.gov/topicpages/r/rat+mi+model.html)

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Down-regulating miR-146a by intracerebroventricular injection of ... Effects of Herb-Partitioned Moxibustion on the miRNA Expression Profiles in Colon from Rats ... chronic constriction injury-induced neuropathic pain in rats via the MEK/ ERK ... and apoptosis of spinal cord IR through its targets, IRAK1 of TLR4 and CREB ...

[separation-induced visceral hyperalgesia: Topics by Science.gov](https://www.science.gov/.../s/separation-induced+visceral+hyperalgesia.html)

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Analgesic action of suspended moxibustion in rats with chronic visceral ... For the EA treatment, electric stimuli were applied through needles inserted into two ... of NR1, NR2B,

Name of Journal: World Journal of Gastroenterology

Manuscript NO: 33611

Manuscript Type: ORIGINAL ARTICLE

### *Basic Study*

**AQMoxibustion eases visceral pain through regulating MEK, ERK and CREB in rats**

Zhi-Yuan Li, Yan Huang, Yan-Ting Yang, Dan Zhang, Yan Zhao, Jue Hong, Jie Liu, Li-Jie Wu, Cui-Hong Zhang, Huan-Gan Wu, Ji Zhang, Xiao-Peng Ma

### **Abstract**

#### **AIM**

To investigate the effects of herb-partitioned moxibustion (HPM) on phosphorylation of mitogen-activated extracellular signal-regulated kinase (MEK)1, extracellular signal-regulated kinase (ERK)1/2 and cAMP response element binding protein (CREB) in spinal cord of rats with chronic inflammatory visceral pain (CIVP), and to

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[SIP30 Is Regulated by ERK in Peripheral Nerve Injury-induced ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2781569/>

1 Sep 2009 ... Neuropathic pain is a chronic painful condition due to nerve injury ... In this study, we show that SIP30 is regulated by ERK through the ... As seen in the rat spinal cord, PC12 cells expressed a basal level of SIP30 ... ERK mediates NGF-induced SIP30 up-regulation via CREB binding in the sip30 promoter.

[Electroacupuncture mediates extracellular signal-regulated kinase 1 ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4131029/>

4 Aug 2014 ... Inflammatory pain was induced in rats by hindpaw injection of CFA and ... It has been well demonstrated that ERK1/2 regulates expressions of ... These findings suggest that ERK1/2 signal pathway (ERK1/2-Elk1/CREB-COX-2/NK-1) in ... EA plus MEK (ERK kinase) inhibitor (U0126) in 10% DMSO (n = 10); ...

[Expression of the spinal 5-HT7 receptor and p-ERK pathway in the ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4384405/>

30 Mar 2015 ... The expression of the spinal p-ERK in the carrageenan model was significantly ... role in the modulation of pain at the spinal level through bulbospinal descending ... Two different sets of rats were used for this experiment. ... Activation of ERK/ CREB pathway in spinal cord contributes to chronic constrictive ...

[CREB-regulated transcription coactivator 1 enhances CREB ...](#)

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cAMP response element binding protein (CREB)-dependent gene ... Inhibition of spinal CRTC1 expression reduced bone cancer pain, ... neurokinin-1 receptor-immunoreactive neurons in rat spinal cord in response to formalin-induced nociception. ... phosphorylation and c-fos activation induced by inflammatory pain in rats.

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Activation of Erk and JNK MAPK pathways by acute swim stress in **rat** brain regions ... in response to certain physiological stimuli, such as ischemia, **visceral pain** and ... Similarly, there was a region-specific discrepancy between **Erk and CREB** .... In contrast, and again analogous to the findings in the **MEK/Erk** pathway, ...

### Activation of ERK/CREB pathway in spinal cord contributes to chronic ...

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Activation of **ERK/CREB** pathway in spinal cord contributes to chronic constrictive injury-induced neuropathic **pain** in **rats**. ... AIM: To investigate whether activation and translocation of extracellular signal-regulated kinase (**ERK**) is involved in the ... The mitogen-activated protein kinase kinase (**MEK**) inhibitor U0126 or ...

缺少字词: aqmoxibustion eases visceral

### Involvement of the MEK-ERK/p38-CREB/c-fos signaling pathway in Kir ...

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2017年5月3日 - Involvement of the **MEK-ERK/p38-CREB/c-fos** signaling pathway in Kir ... The protein levels of phosphorylated extracellular signal-regulated protein ... In purified cultured **rat** Müller cells, BaCl<sub>2</sub> treatment induced similar changes in ... may be activated in Müller cells **under** retinal pathological conditions.

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### SIP30 Is Regulated by ERK in Peripheral Nerve Injury-induced ...

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作者: G Peng - 2009 - 被引用次数: 21 - 相关文章

2009年9月1日 - Here we show that in chronic constriction injury-treated **rat** spinal cords, ... **ERK** appears to **regulate pain** hypersensitivity in various aspects. ... In this study, we show that SIP30 is **regulated by ERK through** the recruitment of cyclic .... The **MEK** inhibitor significantly suppressed CCI-induced increases in ...