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2016年12月7日 - **Interstitial cells of Cajal (ICCs)** function as **pacemaker cells** in the gastrointestinal ... on **cultured** ICC cluster-induced **pacemaker potentials** in the **mouse small** .... Sharp dissection was performed to remove **small intestine** mucosae and ..... **potentials via** the 5-hydroxytryptamine (5-HT)3 and **5-HT4 receptor** ...

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作者: BJ Kim - 2013 - [被引用次数: 5](#) - [相关文章](#)

Results: The ICCs generated **pacemaker potentials** in the **mouse small intestine**. ... In the case of  $Ca^{2+}$ -free solutions, SMS induced membrane **depolarizations**. ... Keywords: **interstitial cells of Cajal**,

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 33793

Manuscript Type: ORIGINAL ARTICLE

### Basic Study

**Hwangryunhaedok-tang induces the depolarization of pacemaker potentials through 5-HT<sub>3</sub> and 5-HT<sub>4</sub> receptors in cultured murine small intestine interstitial cells of Cajal**

Kim HJ *et al.* Hwangryunhaedok-tang and Interstitial cells of Cajal

Hyun Jung Kim, Guem San Lee, Hyungwoo Kim, Byung Joo Kim

### Abstract

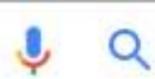
#### AIM

To investigate the effects of a water extract of Hwangryunhaedok-tang (HHTE) on the pacemaker potentials of mouse interstitial cells of Cajal (ICCs).

#### METHODS

### Match Overview

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1	Crossref	112 words Hyoyeon Kim, Iksung Kim, Min Cheol Lee, Hyun Jung Kim, Guem San Lee, Hyungwoo Kim, Byung Joo Kim. "Effects of Hwangryunhaedok-tang on the pacemaker potentials of mouse interstitial cells of Cajal (ICCs)"	3%
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Interstitial cells of Cajal (ICCs) are **pacemaker cells** that generate slow waves in the ... However, the effects of PWS in **mouse small intestinal ICCs** have not yet been investigated. .... Effect of PWS on **pacemaker potentials** in **cultured ICCs** ... In the presence of thapsigargin (5  $\mu$ m), the membrane **depolarizations** with PWS were ...

### Involvement of MAPKs and PLC Pathways in Modulation - Hindawi

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2013年9月5日 - ICCs generated **pacemaker potentials** in **mouse's small intestine**. SCRT produced membrane **depolarization** in current clamp mode. ... **Interstitial cells of Cajal** (ICCs) are the **pacemaking cells** in the gastrointestinal (GI) ... **pacemaker potentials** through 5-HT 3 and 5-HT 4 receptor-mediated pathways via ...

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Effects of **Hwangryunhaedok-tang** on gastrointestinal motility function in mice. ... Activation of transient **receptor potential** vanilloid 3 by the methanolic extract of .... 2017, Ha YS, Chung JW, Chun SY, Choi SH, Lee JN, Kim BS, Kim HT, Kim TH, .... in the pacemaking activity of **interstitial cells of Cajal** in **murine small intestine**.

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