

综述

## 迷走神经电刺激治疗癫痫的现状与展望

张建梁, 何敏贤, 张宏启<sup>△</sup>

香港浸会大学中医药学院, 中国 香港

收稿日期 2005-1-6 修回日期 2005-4-28 网络版发布日期 2009-11-25 接受日期 2005-4-28

摘要

关键词 [迷走神经](#); [电针](#); [癫痫](#)

分类号 [R363](#)

## Current status and future prospects of vagus nerve stimulation for epilepsy

ZHANG Jian-liang, HO Man-yin, ZHANG Hong-qi<sup>△</sup>

School of Chinese Medicine, Hong Kong Baptist University, Hong Kong, China

### Abstract

<FONT face=Verdana>Electrical vagus nerve stimulation (VNS) has been approved by FDA and is widely used in recent years for the treatment of epilepsy and possibly other medical conditions such as depression. The current success rate of VNS for epilepsy is about 50%, but there are complications, potential risks and cost concerns. One of the major limitations for this new therapy is that its antiseizure mechanisms are by no means clear. In particular, it is not known whether the therapeutic effect is vagal specific, what types of nerve fibers in the vagus nerve are contributing to the therapeutic effects, or what individual patients would benefit from the use of the expensive and invasive VNS implantation. There are controversies regarding how and where the VNS takes effect on epilepsy in the central nervous system. The poor understanding of VNS has inevitably limited the application and success of the therapy. The current review analyses the pros and cons of VNS for epilepsy in vis-à-vis other available therapies including Chinese medical methods, and explores the possible mechanisms in order to stimulate further improvement of this new technology. </FONT>

**Key words** [Vagus nerve](#); [Electroacupuncture](#) [Epilepsy](#)

DOI: 1000-4718

通讯作者 张宏启 [hqzhang@hkbu.edu.hk](mailto:hqzhang@hkbu.edu.hk)

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(2327KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

#### 服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ [本刊中 包含“迷走神经; 电针; 癫痫”的 相关文章](#)
- ▶ [本文作者相关文章](#)

- [张建梁](#)
- [何敏贤](#)
- [张宏启](#)