

Vagus nerve stimulation in children with intractable ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1469-8749.2012.04305.x>

Aim The aim of this study was to **evaluate the effects of vagus nerve stimulation (VNS)** in children with intractable **epilepsy** on seizure frequency and severity and in terms of tolerability and safety. **Method** In this study, the first randomized active controlled trial of its kind in children, 41 children (23 males; 18 females; mean age at implantation 11y 2mo, SD 4y 2mo, range 3y 10mo–17y 8mo) were included.

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Author: Sylvia Klinkenberg, Marlien W Aalbers, J...

Publish Year: 2012

[PDF] Vagus nerve stimulation in children with intractable ...

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possible **reduction** in **seizure severity** and improvement in well-being makes this **treatment** worth considering in individual children with **intractable epilepsy**. **Vagus nerve stimulation (VNS)** is a **neuromodulatory treat-** ment that is used as an **adjunctive therapy** for individuals with.

Cited by: 70

Author: Sylvia Klinkenberg, Marlien W Aalbers, J...

Publish Year: 2012

Vagus nerve stimulation in the treatment of refractory ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5084198>

Summary. Many patients with **epilepsy** suffer from persistent seizures despite maximal **anti-epileptic drug therapy**. Chronic, intermittent vagus nerve stimulation has been proven to be an effective option for many patients suffering from refractory seizures who are not candidates for surgical resection. Although only a small minority of patients will be entirely **seizure-free**, vagus nerve stimulation, as an adjunct to ...

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Author: Andrew H. Milby, Casey H. Halber, Gord...

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INTERPRETATION VNS is a safeand well-tolerated **adjunctive treatment of epilepsy** in children. Our results suggest that the **effect of VNS** on seizure frequency in children is limited. However, the possible reduction in seizure severity and improvement in well-being makes this **treatment** worth considering in individual children with intractable epilepsy. **Vagus nerve stimulation (VNS)** is a **neuromodulatory treat-**

Cited by: 70 Author: Sylvia Klinkenberg, Marlien W Aalbers, Joh...

Publish Year: 2012

Vagus nerve stimulation for pediatric patients with ...

<https://pubmed.ncbi.nlm.nih.gov/30642370>

Background: Recent clinical observations have reported the potential benefit of vagus nerve stimulation (VNS) as an **adjunctive therapy for pediatric epilepsy**. **Preliminary** evidence suggests that **VNS treatment** is effective for **seizure reduction** and mental development in young participants between 3 and 6 years of age who suffer from intractable epilepsy.

Cited by: 6 Author: Taoyun Ji, Zhao Yang, Qingzhu Liu, Jianxia...

Publish Year: 2019

Vagus nerve stimulation in the treatment of refractory ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5084198>


Summary. Many patients with **epilepsy** suffer from persistent seizures despite maximal **anti-epileptic drug therapy**. Chronic, intermittent vagus nerve stimulation has been proven to be an effective option for many patients suffering from refractory seizures who are not candidates for surgical resection. Although only a small minority of patients will be entirely **seizure-free**, vagus nerve stimulation, as an adjunct to ...

Cited by: 55 Author: Andrew H. Milby, Casey H. Halpern, Gordon...

Publish Year: 2009

Vaqus nerve stimulation for pediatric patients with ...

Vagus nerve stimulation




Vagus nerve stimulation is a medical treatment that involves delivering electrical impulses to the vagus nerve. It is used as an add-on treatment for certain types of intractable epilepsy and treatment-resistant depression. Frequent side effects include coughing and shortness of breath. Serious side effects may include trouble talking and cardiac arrest.


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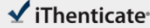
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Manuscript NO: 56656

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Retrospective Study

Preliminary analysis of the effect of vagus nerve stimulation in the treatment of children with intractable epilepsy

Tie Fang, Zi-Hang Xie, Ting-Hong Liu, Jie Deng, Shuai Chen, Feng Chen, Li-Li Zheng

Abstract

BACKGROUND

Implant vagus nerve stimulation is considered as an adjunctive treatment for intractable epilepsy where patients are not suitable for resective surgery.

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The effect of vagus nerve stimulator in controlling status ...

<https://pubmed.ncbi.nlm.nih.gov/29414137>

Purpose: This study explores the **effect of Vagus Nerve Stimulator (VNS)** on Status Epilepticus (SE) in **children** with medically **intractable epilepsy**. Methods: Retrospective review was conducted in **children** with a history of at least two SE, who had VNS implantation and had at least one year follow up after the procedure. Results: Sixteen patients met inclusion/exclusion criteria.

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Author: Sylvia Klinkenberg, Marlien W Aalbers, ...

Publish Year: 2012

Vagus nerve stimulation in children with intractable ...

<https://www.ncbi.nlm.nih.gov/pubmed/19263056>

PURPOSE: To analyze the indication, complications and outcome **of vagus nerve stimulation** in **intractable** childhood **epilepsy**. **MATERIALS AND METHODS:** We retrospectively reviewed the data of 69 **children** who had insertion of vagal **nerve** stimulator (VNS) between June 1995 and August 2006 for medically **intractable epilepsy**.

Cited by: 69

Author: S. M. R. Kabir, C. Rajaraman, C. Rittey, ...

Publish Year: 2009

Vagus nerve stimulation in children with intractable ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1469-8749.2012.04305.x>