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Manuscript NO: 56667

Manuscript Type: RETROSPECTIVE STUDY

Basic Study

Intratympanic dexamethasone injection therapy for sudden sensorineural hearing loss in pregnancy

Yan-Lu Lyu, Fan-Qian Zeng, Zhou Zhou, Min Yan, Wei Zhang, Ming Liu, Zhao-Yang Ke

Abstract

BACKGROUND

Given that sudden sensorineural hearing loss (SSNHL) rarely occurs in pregnant women, there is a lack of knowledge and relevant research on its management.

AIM

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OBJECTIVE: **Systemic dexamethasone** has demonstrated conclusive benefits in **reversing sudden sensorineural hearing loss (SSNHL)** despite considerable number of potential side effects. In contrast, the **intratympanic route of steroid administration averts** several possible complications. This ...

Cited by: 30

Author: Nagi G. El Sabbagh, Maida J. Sewitch, A...

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Jul 07, 2020 · Suzuki et al. used 100 mg intravenous prednisolone with 0.2–0.4 ml dexamethasone sodium phosphate (4 mg/ml) and compared the hearing effect between long-interval group (once a week) and short-interval group (4 times in 1 week) [23].

Author: Min Young Kwak, Min Young Kwak, Cha... Publish Year: 2020

Intratympanic injection with dexamethasone for sudden ...

<https://pubmed.ncbi.nlm.nih.gov/21054907>

Intratympanic steroid injection may be a simple and effective treatment for patients with sudden sensorineural hearing loss. Intratympanic steroid injection may be a simple and effective treatment for patients with sudden sensorineural hearing loss.

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6354531>

Nov 15, 2018 · Berjis N, Soheilipour S, Musavi A, Hashemi SM. Intratympanic dexamethasone injection vs methylprednisolone for the treatment of refractory sudden sensorineural hearing loss. Adv Biomed Res. 2016; 5:111–5. doi: 10.4103/2277-9175.184277. [PMC free article] [Google Scholar]



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Intratympanic injection with dexamethasone for sudden sensorineural hearing loss. Intratympanic **steroid injection** may be a simple and effective **treatment** for patients with **sudden sensorineural hearing loss**. **Intratympanic steroid injection** may be a simple and effective **treatment** for patients with **sudden sensorineural hearing loss**.

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Author: Y-J Tsai, J-G Liang, W-B Wu, Y-F Ding, R...

Publish Year: 2011

[Intratympanic Dexamethasone for Sudden Sensorineural ...](https://pubmed.ncbi.nlm.nih.gov/17202923)

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Intratympanic Dexamethasone for Sudden Sensorineural Hearing Loss After Failure of **Systemic Therapy** - PubMed Difficulty in proving efficacy of a single modality is present in all studies on SNHL secondary to multiple **treatment** protocols, variable rates of ...

Cited by: 329

Author: David S. Haynes, Matthew O'Malley, Seth...

Publish Year: 2007

[Intratympanic steroid injection for sudden sensorineural ...](https://www.sciencedirect.com/science/article/pii/S0385814620301516)

<https://www.sciencedirect.com/science/article/pii/S0385814620301516>

Jul 07, 2020 - The participant inclusion criteria were as follows: 1) **sudden onset of idiopathic unilateral hearing loss**; 2) at least 30 dB in at least three contiguous frequencies occurring in 72 h; 3) **normal hearing** in the contralateral ear; 4) receiving combination **treatment** of the 60 **mg high dose methylprednisolone** administered orally for 14 days in tapering manner with IT **DEX injection** (4 ...

Author: Min Young Kwak, Min Young Kwak, C...

Publish Year: 2020

[Intratympanic Dexamethasone for Sudden Sensorineural ...](https://onlinelibrary.wiley.com/doi/abs/10.1097/01.mlg.0000245058.11866.15)

<https://onlinelibrary.wiley.com/doi/abs/10.1097/01.mlg.0000245058.11866.15>

Abstract Objective: **Intratympanic steroids** are increasingly used in the **treatment of inner ear disorders**, especially in patients with **sudden sensorineural hearing loss (SNHL)** who have failed **systemic therapy**.

pubmed.ncbi.nlm.nih.gov/21054907/

Cited by: 329

Author: David S. Haynes, Matthew O'Malley, Seth...

Dexamethasone

Common brand names: Decadron, Baycadron

Dexamethasone is used to treat conditions such as arthritis, blood/hormone/immune system disorders, allergic reactions, certain skin and eye conditions, breathing problems, certain bowel disorders, and certain cancers. It is also used as a test for an adrenal gland disorder.

Precautions



Side Effects



Interactions



Warnings

Brand names: [Dexamethasone Intensol](#) · [Maxidex](#) · [Decadron](#) · [ZonaCort](#) +

Drug classes: [Corticosteroid](#) · [Glucocorticoids](#)

Pregnancy category: [Pregnancy Category C \(FDA\)](#) (Risk cannot be ruled out)

Availability: [Prescription needed](#)

May treat: [Asthma](#) · [Crohn's Disease](#) · [Ulcerative Colitis](#) +

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