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Manuscript NO: 52787

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Surgical resection of a large adult hypopharyngeal hemangioma using neodymium-doped yttrium aluminum garnet laser: A case report

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Abstract

BACKGROUND

Generally, hemangiomas do not require surgical intervention; however, cases of large hemangiomas, potentially involving the throat and trachea, necessitate surgical therapy. Here, we present a case of adult hypopharyngeal hemangioma that was successfully treated with neodymium-doped yttrium

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Author: Jérôme René Lechien, Lisa G. De Mar... Publish Year: 2017

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Background: The lungs are among the first organ affected by remote metastases from many primary tumors. The **surgical resection** of isolated pulmonary metastases represents an impor

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surgical resection is the mainstay of therapy. The goal of therapy is directed at control of the tumor and relief of symptoms rather than total **eradication** of the lesion. **Laser therapy** is a very useful adjunct in the management of these vascular neoplasms. The **neodymium: yttrium-aluminum-garnet laser** (Nd:YAG laser) functions at a wavelength

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Primary tracheal **schwannoma**: One case report and a literature review ... mechanical removal with or without using **neodymium-doped yttrium aluminum garnet** ... treated by **surgical resection**: A case ...

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If used properly, the **Nd:YAG laser** is a safe and effective tool for the **treatment of large vascular lesions**.

Unusual presentation of an adult pedunculated hemangioma ...

https://www.researchgate.net/publication/314234557_Unusual_presentation_of_an_adult...

PDF | Key Clinical Message Hemangioma is a benign tumor rarely found in **adult**, especially in



Surgical resection of a large adult hypopharyngeal hemangion



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Mar 04, 2017 · The use of **laser therapy** or **surgery excision** is often recommended in accessible **exophytic hemangiomas** 12, 28. **Laser CO2** is a safe approach with a high success rate, greater than 77%, to treat superficial and smaller proliferating lesions, and to reduce the size of the lesion, creating a favorable situation for subsequent therapeutic approaches 26 , 27 .

Author: Jérôme René Lechien, Lisa G. De Mar... Publish Year: 2017

Hemangioma of the pyriform sinus - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0194599801701234>

Open **surgical excision** is a last resort procedure that should only be considered in cases of **large hemangiomas** for which other procedures can be expected to be insufficient. **Laser therapy** has proven to be a very useful adjunct in the management of vascular neoplasms.

Cited by: 5 Author: Yuan-Ching Guo, Pen-Yuan Chu, Donald ...
Publish Year: 2001

Anesthetic management for bronchoscopy and debulking of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4610102>

CASE REPORT. Anesthesia was maintained with a supplemental dose of injection fentanyl 20 µg, injection vecuronium and propofol infusion at 100-120 mg/h (4.5 mg/kg/h). **Resection** of the tumor was done **using punch forceps** through the **bronchoscope** using multiple attempts and **hemostasis** ...

Nd:YAG LASER treatment of a complex airway venous ...

<https://www.sciencedirect.com/science/article/pii/S1871404815000313>

2.1. **Nd:YAG LASER surgical technique.** **Laryngoscopy** was performed and an optical endoscope was used to visualize, magnify, and illuminate the **laryngeal** structures. The fiberoptic delivery system was secured to the endoscope **using** moistened and wet adhesive strips. Strict laser and airway fire precautions and safety measures were employed throughout.

Author: Gary H. Ho, Jonathan Mallen, Jonatha... Publish Year: 2015

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<https://onlinelibrary.wiley.com/doi/10.1002/ped4.12043>

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Cited by: 1 Author: Bin Zhang, Lin Ma