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Name of Journal: *World Journal of Clinical Oncology*

Manuscript NO: 55354

Manuscript Type: CASE REPORT

**Proton beam therapy of periorbital sinonasal squamous cell carcinoma:
Two case reports and review of literature**

Lin YL. Proton therapy for sinonasal cancer

Yi-Lan Lin

Abstract

BACKGROUND

Sinonasal malignancies are rare but demanding due to complex anatomy, usually late diagnosis, and inconsistent therapy strategy based on multimodality approaches. Squamous cell carcinoma (SCC) is the most common histology, with poorer prognosis. In the setting of orbital invasion, an orbital exenteration may be required. However, in case of primary

Two contemplating case reports about proton beam therapy of r



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Long-Term Outcomes After Proton Beam Therapy for Sinonasal ...

<https://www.sciencedirect.com/science/article/pii/S0360301616001620>

Squamous cell carcinoma (SCC) is the most common **sinonasal** cancer and is associated with one of the poor outcomes. **Proton therapy** allows excellent target coverage with maximal sparing of adjacent normal tissues. We evaluated the long-term outcomes in patients with **sinonasal** SCC treated with **proton therapy**.

Cited by: 22

Author: Andrea L. Russo, Judith A. Adams, Eliza...

Publish Year: 2013

Anyone familiar with Proton Therapy and side effects of ...

<https://csn.cancer.org/node/306531> ▾

Nov 14, 2016 · I combined **Proton therapy** with Radiation treatment to treat a stage IV Sinus cancer tumor (**squamous cell**). I got the 2 doctors together to figure it out because I was at risk of losing my left eye sight if only went with radiation. I am glad I did as I kept my left eye sight in the end and am now cancer free.

Basaloid squamous cell carcinoma in the nasal cavity ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4000152>

We **report** the **case** of a 56-year-old Japanese man with locally invasive basaloid **squamous cell carcinoma** in his right nasal cavity with invasion of the orbit, paranasal sinus, and buccal subcutaneous tissue. He underwent **proton beam therapy** concurrent with cisplatin. Acute and late side effects did not exceed grade 3.

Cited by: 5

Author: Shigeyuki Takamatsu, Kazutaka Yamam...

Publish Year: 2014

Clinical Results of Proton Beam Therapy for Esophageal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6679064>

Jul 16, 2019 · Compared to conventional photon **radiotherapy** or intensity-modulated **radiotherapy** (IMRT), **proton beam therapy** (PBT), a new **radiotherapy** technology, delivers concentrated doses



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Proton beam therapy for locally advanced and unresectable ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4487177>

The present study **reports** treatment outcomes of locally advanced and unresectable **squamous cell carcinoma** of the ethmoid sinus (SCC-ES) following **proton beam therapy** (PBT). Between January 1997 and December 2012, 7 patients (median ...

Cited by: 5

Author: Takashi Saito, Hitoshi Ishikawa, Kayoko ...

Publish Year: 2015

Proton therapy for head and neck squamous cell carcinomas ...

<https://www.sciencedirect.com/science/article/pii/S0167814020301158>

Radiation **therapy** is recommended in more than **two-thirds** of head and neck **squamous cell** carcinomas (HNSCC). Recent publications have demonstrated the importance of the quality of the radiation **therapy** offered to HNSCC patients , , . In a randomized clinical trial, Peters et al. first demonstrated that HNSCC patients with noncompliant treatment plans could significantly suffer ...

Proton therapy for non-squamous cell carcinoma of the head ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6805978>

May 31, 2019 · INTRODUCTION. Non-**squamous cell carcinoma** of the head and neck (NSCHN) is rare [], and its standard treatment is different from that for **squamous cell** carcinomas [2, 3]. Surgical resection and postoperative radiation **therapy** and/or chemotherapy (multimodality treatment) may be considered, but available clinical data are limited.

Proton Beam Therapy in Combination with Intra-Arterial ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6162409>

1. Introduction. Malignant tumors of the maxillary gingiva are rare, representing approximately 5% of all head and neck malignancies, and approximately 90% of the cases in Japan are **squamous cell carcinoma** (SCC) []. Standard treatment for oral SCC is surgery with or without chemotherapy and postoperative radiotherapy [2,3,4]. Surgical approaches for locally advanced maxillary gingival ...

Author: Hiromasa Endo, Kanako Takayama, ...

Publish Year: 2018



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Proton therapy for head and neck squamous cell carcinomas ...

<https://www.sciencedirect.com/science/article/pii/S0167814020301158>

Radiation **therapy** is recommended in more than **two-thirds** of head and neck **squamous cell** carcinomas (HNSCC). Recent publications have demonstrated the importance of the quality of the radiation **therapy** offered to HNSCC patients , , , . In a randomized clinical trial, Peters et al. first demonstrated that HNSCC patients with noncompliant treatment plans could significantly suffer from ...

Author: Arnaud Beddok, Anthony Vela, Valenti... **Publish Year:** 2020

Clinical Results of Proton Beam Therapy for Esophageal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6679064>

Jul 16, 2019 · Between January 2009 and December 2013, patients newly diagnosed with esophageal cancer and who had received **proton beam therapy** were retrospectively recruited from a database of four **proton beam therapy** centers in Japan. **Two** hundred and **two** patients (including 90 inoperable patients) fulfilled the inclusion criteria, and 100 patients (49.5% ...

Cited by: 1 **Author:** Takashi Ono, Hitoshi Wada, Hitoshi Ishik...

Publish Year: 2019

Basaloid squamous cell carcinoma in the nasal cavity ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4000152>

Apr 09, 2014 · To the best of our knowledge, treatment of nasal basaloid **squamous cell carcinoma** with **proton beam therapy** and cisplatin has not been described in the **literature**. **Case** presentation We report the **case** of a 56-year-old Japanese man with locally invasive basaloid **squamous cell carcinoma** in his right nasal cavity with invasion of the orbit ...

Cited by: 5 **Author:** Shigeyuki Takamatsu, Kazutaka Yamamo...

Publish Year: 2014

Proton beam therapy for malignant ... - BMJ Case Reports

<https://casereports.bmj.com/content/12/7/e229388>

Jul 01, 2019 · We report the first clinical **case** on the successful use of **proton beam therapy** in the management of malignant transformation of intracranial epidermoid cyst. A 43-year-old man was initially

diagnosed as this disease with left facial paresis, hypesthesia and hypoalgesia in the territories of the