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Inflammatory myofibroblastic tumor successfully treated with metformin: A case report and review of literature

Yu Liang, Hong-Xiang Gao, Rui-Cheng Tian, Jing Wang, Yu-Hua Shan, Lei Zhang, Chen-Jie Xie, Jing-Jing Li, Min Xu, Song Gu

Abstract

BACKGROUND

Inflammatory myofibroblastic tumor (IMT) is a distinct tumor with a low incidence rate, that can be diagnosed at any age with a predilection for children and adolescents. Although IMT is visible in any tissues and organs, it is more commonly found in the

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Dec 01, 2012 · INTRODUCTION. **Inflammatory myofibroblastic tumor** (IMT) is a rare soft-tissue **tumor** with a clinical resemblance to malignant neoplasm[].It is an unusual solid **tumor** commonly seen in children and young adults, and can occur at any site in the body, the lung being the most common site[].Extrapulmonary IMTs account for 5% of all IMTs and retroperitoneal IMTs are relatively rare[].

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Cited by: 1 **Author:** Masato Hayashi, Hirofumi Kawakubo, Shuh...
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Inflammatory myofibroblastic tumor (IMT) is a rare entity of neoplastic origin. It usually occurs in children and adolescents and most commonly involves pulmonary and gastrointestinal sites. Here, the authors present two cases; one is the nine months old boy with a subcutaneous IMT in the left temporal region that was **treated successfully** with surgical resection.

Author: Sumaira Khalil, Tariq Ghafoor, Amna Ka... **Publish Year:** 2020

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Introduction. **Inflammatory myofibroblastic tumor** (IMT) is a rare mesenchymal **tumor**. It can arise in the soft tissue of almost every organ. IMTs are characterized by spindle cell proliferation with an **inflammatory** infiltrate composed of lymphocytes, plasma cells, and eosinophils. 1 Complete surgical resection is the most effective **treatment** for surgically accessible IMT.

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Y. Maruyama, T. Fukushima, D. Gomi et al., "Relapsed and unresectable inflammatory myofibroblastic tumor responded to chemotherapy: a case report and **review of the literature," Molecular and Clinical Oncology**, vol. 7, no. 4, pp. 521–524, 2017.

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Frontiers | Inflammatory Myofibroblastic Tumors in the ...

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Background Case Report Discussion Ethics Statement Au

In the WHO definition, inflammatory myofibroblastic tumor (IMT) is a rare spindle cell neoplasm with low malignant potential, and it is composed of proliferative myofibroblasts and mixed inflammatory cell infiltrate. The appearance of IMT in childhood is extremely rare. Symptoms and treatment are heterogeneous, mainly depend on the localization of the tumor (1–4). Genetically speaking, approximately half of IMTs harbor clonal rearran...

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