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**Manuscript NO:** 57712

**Manuscript Type:** CASE REPORT

**Myeloid neoplasm with eosinophilia and rearrangement of platelet-derived growth factor receptor beta gene in children: Two case reports**

Wang SC *et al.* Pediatric myeloid neoplasm with PDGFRB rearrangement

Shi-Chong Wang, Wen-Yu Yang

## Abstract

### BACKGROUND

Myeloid neoplasm (MN) with eosinophilia and rearrangement of platelet-derived

## Match Overview

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| 1 | <b>Internet</b> 53 words<br>crawled on 27-Oct-2020<br><a href="http://www.wjgnet.com">www.wjgnet.com</a>                                       | 2% |
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<https://www.onlinelibrary.wiley.com/doi/10.1111/ijlh.12057>

Mar 13, 2013 · **Myeloid** and lymphoid neoplasms **with eosinophilia** and abnormalities of **platelet-derived growth factor receptor** alpha (PDGFRA), **platelet-derived growth factor receptor beta** (PDGFRB), and fibroblast **growth factor receptor-1** (FGFR1) are a group of hematologic neoplasms resulting from the formation of abnormal fusion genes that encode constitutively activated ...

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## Myeloid neoplasms with eosinophilia | Blood | American ...

<https://ashpublications.org/blood/article/129/6/...> ▾

Molecular diagnostics has generated substantial dividends in dissecting the genetic basis of **myeloid** neoplasms **with eosinophilia**. The family of diseases generated by dysregulated fusion tyrosine kinase (TK) genes is recognized by the World Health Organization (WHO) category, "**Myeloid**/lymphoid neoplasms **with eosinophilia and rearrangement** of PDGFRA, PDGFRB, or FGFR1, or with PCM1 ...

Cited by: 121

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Publish Year: 2017

## Fusion of platelet-derived growth factor receptor $\beta$ to ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4727129>

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**Author:** X Y Zhang, T F Liu, C W Li, Q H Li, X F Zhu    **Publish Year:** 2018

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Mar 13, 2013 · **Myeloid** and lymphoid **neoplasms with eosinophilia** and abnormalities of **platelet-derived growth factor receptor alpha** (PDGFRA), **platelet-derived growth factor receptor beta** (PDGFRB), and fibroblast **growth factor receptor-1** (FGFR1) are a group of hematologic **neoplasms** resulting from the formation of abnormal fusion genes that encode constitutively activated tyrosine kinases.

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## [An Intriguing Case of Eosinophilia with FIP1L1/PDGFRα ...](#)

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**Myeloid neoplasm with eosinophilia** and FIP1-like-1-**platelet-derived growth factor receptor-alpha** (FIP1L1-PDGFRα) **rearrangement** is a multi-organ disease with diverse clinical presentation. Thrombotic thrombocytopenic purpura (TTP) is characterized by the concomitant occurrence of often severe



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Author: X Y Zhang, T F Liu, C W Li, Q H Li, X ... Publish Year: 2018

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### [Fusion of platelet-derived growth factor receptor \$\beta\$ to ...](#)

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**Myeloid tumor** possessing **platelet-derived growth factor receptor  $\beta$**  (PDGFR $\beta$ ) **gene rearrangement** is a rare hematological malignancy, which presents with typical characteristics of **myeloid** proliferation disorders and **eosinophilia**. In the present study, an elderly chronic myelomonocytic leukemia patient was diagnosed with chromosome **rearrangement**.

Cited by: 7

Author: Sheng-Lan Gong, Meng-Qiao Guo, Gu-S...

Publish Year: 2016

#### PEOPLE ALSO ASK

What is myeloid neoplasm?

