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Manuscript NO: 53998

Manuscript Type: CASE REPORT

Therapy-related acute promyelocytic leukemia with FMS-like tyrosine kinase 3-internal tandem duplication mutation in solitary bone plasmacytoma: A case report

Hong LL *et al.* t-APL in solitary bone plasmacytoma

Li-Li Hong, Xian-Fu Sheng, Hai-Feng Zhuang

Abstract

BACKGROUND

Therapy-related acute promyelocytic leukemia (t-APL) is a rare complication observed after solitary bone plasmacytoma (SBP), and SBP after radiotherapy evolving to APL

Match Breakdown

1 **Crossref** 90 words
Hyunjung Gu, Young Jin Kim, Woo-In Lee, Juhee Lee, Hwi-Joong Yoon, Tae Sung Park. "Therapy-related acute promyelo..." 4%

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Results. Internal tandem duplications of the FLT3 gene (FLT3-ITD) were detected in 47/147 (32.0%) and tyrosine kinase domain mutations (FLT3-TKD) in 19/147 (12.9%) patients. FLT3-ITD or FLT3-TKD mutation status did not have a significant prognostic impact, whereas FLT3-ITD mutation load, as defined by a mutation/wild-type ratio of less than 0.5 was associated with trends to a better 2-year ...

Cited by: 70

Author: Susanne Schnittger, Ulrike Bacher, Claud...

Publish Year: 2011

A case of therapy-related acute myeloid leukemia with inv ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3464341>

Sep 25, 2012 - INTRODUCTION. Therapy-related acute myeloid leukemia (t-AML) caused by radioactive iodine (RAI) occurs in less than 2% of thyroid cancer patients and is associated with a poor therapeutic response and prognosis [1-3]. Many cases of t-AML have occurred in >50-year-old patients after they received a cumulative radioiodine dose of more than 800 mCi, with intervals of less than 12 ...

Cited by: 3

Author: Ji Hun Jeong, Jeong Yeal Ahn, Soon Ho ...

Publish Year: 2012

Acute myeloid leukemia: 2019 update on risk-stratification ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6419991/>

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FLT3 mutations in myelodysplastic syndrome and chronic ...

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FMS-like tyrosine kinase III (FLT3) mutations occur in one-third of acute myeloid leukemia (AML) patients and predict poor outcome. The incidence and impact of FLT3 in myelodysplastic syndrome (MDS)



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Hyperthyroidism complicated with **leukemia** is even rarer, particularly **acute promyelocytic leukemia** (APL) with **FMS-like tyrosine kinase 3-internal tandem duplication** (FLT3-ITD). The c-erb-A protooncogene, a thyroid hormone receptor analog, is located in ...

Cited by: 2**Author:** Yajian Jiang, Keyue Hu, Wanzhuo Xie, G...**Publish Year:** 2014

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<https://acsjournals.onlinelibrary.wiley.com/doi/10.1002/cncr.11636>

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Cited by: 109**Author:** Lee-Yung Shih, Lee-Yung Shih, Ming-Ch...**Publish Year:** 2003

[FLT3 mutations in myelodysplastic syndrome and chronic ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4085099>

FMS-like tyrosine kinase III (FLT3) mutations occur in one-third of **acute myeloid leukemia** (AML) patients and predict poor outcome. The incidence and impact of FLT3 in myelodysplastic syndrome (MDS) and chronic myelomonocytic **leukemia** (CMML) is unknown. We conducted a retrospective review to identify WHO MDS and CMML patients with FLT3 mutations at diagnosis.

Cited by: 62**Author:** Naval Daver, Paolo Strati, Elias Jabbour, ...**Publish Year:** 2013

[FLT3 internal tandem duplication mutations in acute ...](#)

<https://www.researchgate.net/publication/12237052...>

Results: **Fms-like tyrosine kinase 3 internal tandem duplication** mutations were observed in 20%, **tyrosine kinase domain mutation** in 4% and dual mutations in 0.3% of the analyzed cases.

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