

[ PICTURES IN CLINICAL MEDICINE ]

## Isolated Orbital Myeloid Sarcoma as a Therapy-related Myeloid Neoplasm

Kazuya Ishiguro and Tohru Takahashi

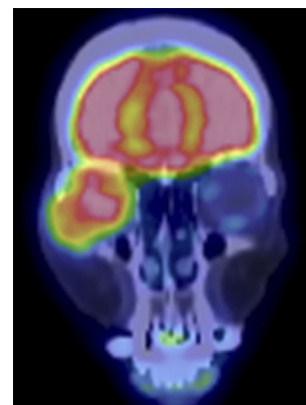
**Key words:** orbital myeloid sarcoma, therapy-related myeloid neoplasm

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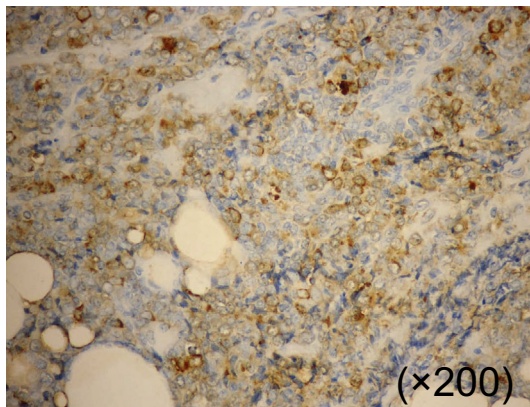
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Picture 1.



Picture 2.



Picture 3.



Picture 4.

Therapy-related orbital myeloid sarcoma is very rare (1). A 61-year-old woman was admitted because of protrusion of the right eyeball (Picture 1). Computed tomography revealed a mass lesion in the right orbit that showed the uptake of  $^{18}\text{F}$ -fluorodeoxyglucose on positron emission tomography (Picture 2). A biopsy of the right orbit mass revealed prolif-

eration of atypical cells that were positive for myeloperoxidase (Picture 3). A bone marrow examination showed neither an increase in blasts nor myelodysplasia. A diagnosis of myeloid sarcoma confined to the right orbit was made. She had a history of ovarian carcinoma treated with irinotecan and cisplatin 10 years earlier, so her disease was classified

Department of Hematology, Tenshi Hospital, Japan

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Correspondence to Dr. Kazuya Ishiguro, k.ishiguro@sapmed.ac.jp

as therapy-related myeloid neoplasm (2). She received remission-induction chemotherapy for acute myeloid leukemia (idarubicin plus cytarabine) followed by a consolidation radiotherapy toward the right orbit. After the treatment, the protrusion of the right eyeball was markedly improved (Picture 4).

**The authors state that they have no Conflict of Interest (COI).**

## References

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