

Rare Gliomas

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Case-Based Questions (please see page 3 for answers)

1.	Angiocentric gliomas feature which of the following molecular alterations?
a.	MYBL1 fusions
b.	FGFR1 duplications
c.	MYB fusions
d.	BRAF V600E mutations
e.	NF1 mutations

2.	Which of the following tumors are exclusively supratentorial in their localization?
a.	Polymorphous low-grade neuroepithelial tumor of the young
b.	Astrocytoma, IDH-mutant
c.	High-grade astrocytoma with piloid features
d.	Diffuse midline glioma, H3 K27-altered

3.	Which of the following FGFR abnormalities are most frequently associated with high-grade gliomas
a.	FGFR1 duplications
b.	FGFR1 point mutations
c.	FGFR1 fusions
d.	FGFR2 fusions
e.	FGFR3 fusions

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Question 1 Correct answer and rationale: **C) MYB fusions**

Question 2 Correct answer and rationale: **A) Polymorphous low-grade neuroepithelial tumor of the young**

Question 3 Correct answer and rationale: **E) FGFR3 fusions**