

IDH mutant high-grade glioma

Classification

The characteristics of [elderly](#) (≥ 70 years) patients with [IDH mutant high-grade glioma](#) IDHm HGG were compared to those of [younger](#) patients IDHm HGG (no more than 70 years) and of [elderly](#) patients IDHwt HGG. Geriatric features were collected.

Out of 1433 HGG patients included, 119 (8.3%) were ≥ 70 years. Among them, 39 presented with IDHm HGG. The main characteristics of elderly IDHm HGG were different from those of elderly IDHwt HGG but similar to those of younger IDHm HGG. In contrast, their therapeutic management was different from those of younger IDHm HGG with less frequent gross total resection and radiotherapy. The median progression-free survival (PFS) and overall survival (OS) were longer for elderly patients IDHm HGG (29.3 months and 62.1 months) than elderly patients IDHwt HGG (8.3 months and 13.3 months) but shorter than those of younger patients IDHm HGG (69.1 months and not reached). Geriatric factors associated with PFS and OS were mobility, neuropsychological disorders, body mass index, and autonomy. Geriatric factors associated with PFS and OS were mobility, neuropsychological disorders, and body mass index, and autonomy.

The outcome of IDHm HGG in elderly patients is better than that of IDHwt HGG. Geriatric assessment may be particularly important to optimally manage these patients ¹⁾.

[Anaplastic astrocytoma](#) IDH mutant

[Anaplastic Oligodendroglioma](#) IDH mutant and 1p/19 q codeleted

[Glioblastoma](#) IDH Mutant.

¹⁾

Montégut C, Guillamo JS, Ducray F, Dehais C, Cohen-Jonathan Moyal E, Desenclos C, Petit A, Seizeur R, Bekaert L, Gaultier C, Motuo Fotso MJ, Blonski M, Frenel JS, Vauléon E, Langlois O, Noel G, Carpentier AF, Di Stefano AL, Bronnimann C, Figarella-Branger D, Chinot O, Tabouret E. Characteristics, Patterns of Care and Predictive Geriatric Factors in Elderly Patients Treated for High-Grade IDH-Mutant Gliomas: A French POLA Network Study. *Cancers* (Basel). 2022 Nov 9;14(22):5509. doi: 10.3390/cancers14225509. PMID: 36428602.

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