

Hyams grading system

Low and high-grade [esthesioneuroblastoma](#) display distinct patterns at presentation and relapse, leading to different prognoses. Therefore, they may be regarded as distinct entities ¹⁾.

The only histological grading system available for ENB was proposed by Hyams in [1988](#) on the basis of the Armed Forces Institute of Pathology experience

Hyams grading, a system used to define all [upper respiratory tract carcinomas](#), is utilized to assess nuclear pleomorphism, mitotic activity, rosette presence, and necrosis, and summates these to produce Hyams 1–4 classification ²⁾ It has been shown in the meta-analysis, as well as in large series, that Hyams grade 1 and 2 predict benign disease course, as compared to Hyams 3 and 4, which predict poor disease course. It is recommended that grading be performed in all cases ^{3) 4)}.

Vuong et al. verified that the [Hyams grading system](#) appears to be a reliable prognostic indicator to assess [esthesioneuroblastoma outcomes](#). Consolidating the [Hyams grading system](#) into a three-tier system based on similar clinical outcomes of grades I and II may simplify this classification schema ⁵⁾.

¹⁾
Malouf GG, Casiraghi O, Deutsch E, Guigay J, Temam S, Bourhis J. Low- and high-grade esthesioneuroblastomas display a distinct natural history and outcome. Eur J Cancer. 2013 Apr;49(6):1324-34. doi: 10.1016/j.ejca.2012.12.008. Epub 2013 Jan 10. PMID: 23312882.

²⁾
Hyams V. Tumors of the upper respiratory tract and ear. Washington, D.C.: Armed Forces Institute of Pathology; 1988

³⁾
Van Gompel JJ, Giannini C, Olsen KD, et al. Long- term outcome of esthesioneuroblastoma: Hyams grade predicts patient survival. J Neurol Surg B Skull Base. 2012; 73:331–336

⁴⁾
Kane AJ, Sughrue ME, Rutkowski MJ, et al. Posttreatment prognosis of patients with esthesioneuroblastoma. J Neurosurg. 2010; 113:340–351

⁵⁾
Vuong HG, Ngo TNM, Dunn IF. Consolidating the Hyams grading system in esthesioneuroblastoma - an individual participant data meta-analysis. J Neurooncol. 2021 Mar 26. doi: 10.1007/s11060-021-03746-2. Epub ahead of print. PMID: 33770323.

From:
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:
https://neurosurgerywiki.com/wiki/doku.php?id=hyams_grading_system

Last update: **2024/06/07 02:53**

