Conjunctival squamous cell carcinoma: risk factors, treatment options, and management

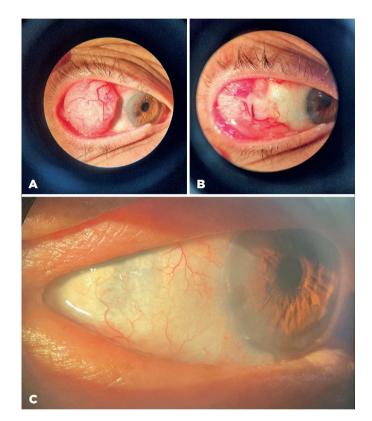
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Conjunctival squamous cell carcinoma (A) is one of the most common ocular tumors. It is typically a unilateral tumor with slow, progressive growth and rare metastasis. Risk factors include ultraviolet (UV) radiation exposure, smoking, human papillomavirus infection, and human immunodeficiency virus infection(1). Treatment options may involve topical chemotherapy agents and immunomodulatory drugs like 5-fluorouracil (5-FU) (B)(2). Intraocular invasion after primary treatment is uncommon and may be prevented by adjuvant brachytherapy following tumor resection (C)(3).

REFERENCES

- 1. Cruzado-Sánchez D, Salas-Diaz M, Tellez WA, Alvarez-Matos SE, Serpa-Frías S. Interferon alpha-2a as alternative treatment for conjunctival squamous cell carcinoma. Arch Soc Esp Oftalmol. 2017;92(11):539-42. English, Spanish.
- 2. Yeoh CH, Lee JJ, Lim BX, Sundar G, Mehta JS, Chan AS, et al. The management of ocular surface squamous neoplasia (OSSN). Int J Mol Sci. 2022;24(1):713.
- 3. Cano-Suárez MT, Saornil-Álvarez MA, García-Álvarez C, López-Lara F, Frutos-Baraja JM, García-Lagarto E. Infiltrative intraocular conjunctival squamous cell carcinoma after local resection and brachytherapy: clinical and pathological findings. Ocul Oncol Pathol. 2017;3(3):216-9.



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