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Periorbital nodular fasciitis in an adult male: The first reported case in the Middle East with review of the literature

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Objectives: Nodular fasciitis (NF) is a benign, fibroblastic proliferation, which can raise suspicion for malignancy and is relatively rare in the ocular region. We report the first case of periorbital NF in the Middle East with review of the literature.

Methods: Our case of NF is described clinically and histopathologically in details. An extensive review of all reported cases of ocular/periocular NF in the English-written literature is made with summary of 39 cases including ours taking into consideration the location of the tumor, age and gender.

Results: Our 35-year-old male presented with a recurrent tumor in the periocular region. Diagnosis of NF was made by careful histopathological examination of the excisional biopsy and by immunohistochemical staining. We have summarized the demographics and tumor location of 38 cases previously reported and added our case information.

Conclusions: Demographically, NF occurs within a wide range of age (8 months to 81 years) with a mean age of about 28 years. Half of the cases are in the age group of 30 years or younger (median=30 years). Slight female predominance is observed (Female : Male ratio is =7:6). The right side is more commonly involved (in 21/37). Periocular/orbital involvement is more commonly found (67%).

Biography

Hind Manaa Alkatan has completed her Saudi Ophthalmology Board from King Saud University (KSU), Riyadh, KSA and her postdoctoral studies from Departments of Ophthalmology/Pathology, University of Manitoba and University of British Columbia, Canada. She is an Assistant Professor, Consultant (Departments of Ophthalmology and Pathology), Chief of Ophthalmic Pathology, and Director of the Post-Graduate Residency and Fellowship Training Programs in Ophthalmology, King Saud University Medical City (KSUMC), Riyadh, KSA. She is a Member in international organizations: Eastern Ophthalmic Pathology, Canadian Ophthalmology Society, International Society of Ocular Oncology, Ocular Oncology Group in addition to the local Saudi Ophthalmology Society.

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