

Gorlin-Goltz syndrome Diagnosed Through Multiple Jaw Lesions: Case Report and Review

Elham Sadat Afraz, Assistant professor

Oral Medicine Department, School of Dentistry, Semnan University of Medical Sciences, Semnan, Iran

Abstract

Gorlin-Goltz syndrome (GGS) is an inherited rare multisystemic disease affecting different body organs. People with this disorder are at increased risk of developing basal cell skin, medulloblastoma, and other types of cancer. Gorlin syndrome may also cause benign (not cancer) tumors in the jaw, heart, or ovaries. Generally, Gorlin-Goltz syndrome diagnosis of Gorlin's syndrome is achieved through multiple basal cell carcinoma. This paper includes a Gorlin syndrome case report that was diagnosed with jaw lesions.

Case description

A male patient aged 27 years was referred to the Department of Oral medicine with a chief complaint of pain in the left side of the upper and lower jaws. On Radiography, multiple jaw lesions were found on both sides of the maxilla and the right side of the mandible. He had no other clinical and radiographic signs like hypertelorism and bifid ribs. Because of the multiple jaw radiolucencies, he was suspected to be involved in Gorlin syndrome.

Clinical implications

For confirming this diagnosis other relative signs were assessed. Some skin lesions like nevus were found and then He was referred to a dermatologist for a skin biopsy. The biopsy shows multiple Basal cell carcinoma and the diagnosis of Gorlin syndrome was confirmed. Since this is a hereditary disease so his family was requested to assess it. One of his nephews who is 14 years old also was recognized as a syndromic patient and treatment was started for both of them.

Conclusions

Dentists can play an important role in the detection of undiagnosed conditions if they pay enough attention to examinations. So all dentists must have information about the oral manifestation of systemic disease and syndromes

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Biography

Elham Sadat Afraz currently working as assistant professor of oral medicine in Semnan University of medical sciences, Semnan,Iran. She has her Experties in teaching oral medicine

and treating patients with oral disease. Now she is Deputy minister of dental faculty education