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Oral and clinical findings of a patient with Diamond-Blackfan anemia: A case report

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Diamond Blackfan anemia (DBA) is a rare genetic disorder that is characterized by defective erythroid progenitor maturation. 25% of reported patients present congenital, physical anomalies. The aim of this study is to present oral and clinical findings of a patient with Diamond-Blackfan anemia. A 15-year-old Caucasian girl referred to our faculty with multiple dental problems. She was diagnosed with DBA at 7 year-old. She was the second child of a non-consanguineous parent. Her elder brother was healthy. The clinical intraoral examination revealed several dental caries and mediocre oral hygiene. On physical examination we noted multiple verruca vulgaris lesions on the hands and deformity of the left thumb. DBA is characterized by a moderate to severe macrocytic anemia, occasional neutropenia or thrombocytosis and a normocellular bone marrow with erythroid hypoplasia. Multiple combinations of therapy are used for children with DBA. Therapeutic approaches include blood transfusion, corticosteroids, iron chelating therapy, interleukin therapy, and bone marrow transplantation. DBA is associated with a high incidence of malignancy. Most of the reported malignancies are acute myeloid leukemia (AML). A dental practitioner must demand a consultation with the hematologist before the dental treatment. The dental surgical procedures must be done after a prophylactic antibiotherapy.

Biography

Ilknur Ozcan has completed her PhD in Department of Oral and Maxillofacial Radiology at Istanbul University. She has published more than 30 papers in reputed journals. She is the Head of the Department of Oral and Maxillofacial Radiology at Istanbul University.

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