

## **Tongue ulcerations as the first manifestation of acute leukaemia a case report**

**Ibtisam AlBakr**

Prince Sultan Military Medical City, Saudi Arabia

**L**eukaemia is defined as neoplastic proliferation arising from hematopoietic and progenitor cells. Acute myeloid leukaemia (AML) is the most prevalent type of adults leukaemia. According to a recent census by the Saudi Cancer Registry (SRC), higher incidences of AML were reported in females with poor prognosis. The involvement of the oral cavity is part of widespread disease; however, it can be the first manifestation of the disease. Petechiae ecchymosis, gingival bleeding with painless hyperplasia, ulcerative necrotic lesions, and pale oral mucosa are the most common reported lesions.

### **Case description**

A 49 Y/O Saudi female patient reported to Oral Medicine Clinic/ PSMC with a chief complaint of severe oral ulcerations. The patient was dehydrated, unable to talk or swallow. Intraoral examination revealed severe ulceration involving dorsum, lateral, and ventral surfaces of the tongue with crusting of the tongue tip. The preliminary diagnosis was vesiculobullous lesion. Patient was admitted

for IV fluid replacement and intravenous steroid. Initial CBC showed a moderate increase in WBC. On the third day, tongue ulcers almost disappeared, but WBC count was increased gradually on a daily basis until it reached a critical value of 100 per microliter of blood on the eighth day. A haematologist was consulted, bone marrow biopsy was carried out, it revealed acute myeloid leukaemia.

### **Conclusion**

The aim of this report is to present an unusual initial oral manifestation of leukaemia that mimics vesiculobullous lesions.

### **Biography**

Dr. Albakr received her education at King Saud University in Saudi Arabia. She had postgraduate specialty training in Diagnostic Oral Sciences (Oral Diagnosis/Oral Pathology), followed by Clinical training in Oral Medicine. She held a Master's in Diagnostic Oral Sciences (Oral Pathology). Dr. AlBakr has 20 years of experience in the oral medicine specialty. She has also been involved in teaching since 2018.

**Ibtisam.albakr@gmail.com**

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