Risks and Complications in Patients with Oral Cancer

Otto Alemán Miranda
General Clinical and Surgical, Hospital Orlando Pantoja Tamayo, Santiago de Cuba, Cuba

Abstract:

Oral cancer is a multifactorial disease of unknown origin, which affects millions of people in the world. Its attention and treatment must be carried out in multidisciplinary teams, since it becomes complex for the dental professional to carry out its management independently. This motivated the realization of the present investigation with the objective of describing the main risks and complications in patients with oral cancer. To do this, an exhaustive bibliographic review was carried out based on national and international literature, using different descriptors in English and Spanish. The previous experience of the author was taken into account. Then a critical analysis was carried out, where the main risks and complications that can occur in these patients were compiled. Dissimilar conditions and the scope of the therapeutic procedures carried out in these patients with oral cancer were illustrated. The content was organized by anatomical regions and surgical treatments. It exposes in a structured and schematic way several of the complications that can occur in these procedures. At the end of the investigation, it is concluded that there are multiple complications and risks to which these patients are exposed, causing functional, mechanical, aesthetic, psychological and nutritional alterations.



Image 1. Patient diagnosed with squamous cell carcinoma of the floor of the mouth and inferior residual alveolar ridge. Courtesy of Doctor Otto Alemán Miranda.



Image 2. Shows how it was planned and how it turned out at the end of the intervention. Courtesy of Doctor Otto Alemán Miranda.

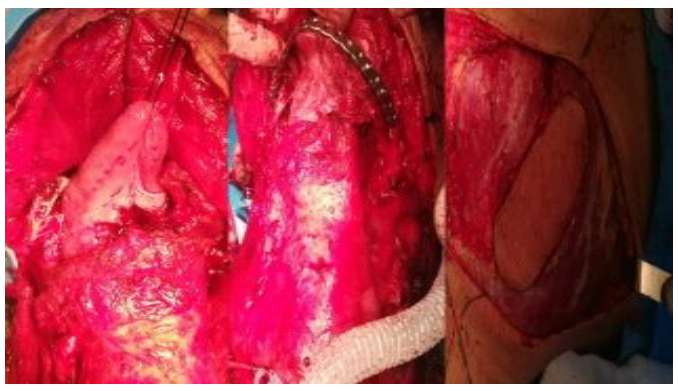


Image 3. Some steps of the intervention of the previous case are shown. The area after the segmental madibulectomy, the reconstruction with a metal plate and the conformation of the pectoralis major flap are evident. Courtesy of Doctor Otto Alemán Miranda.

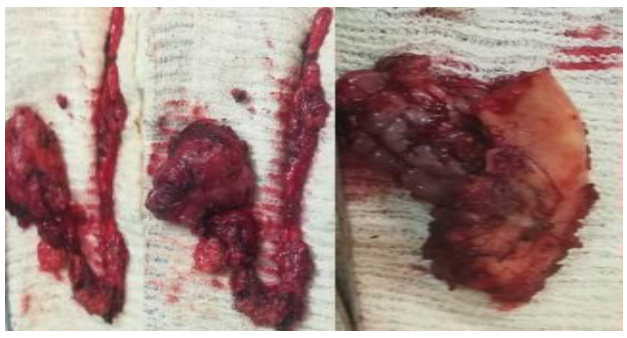


Image 4. The extracted surgical pieces, lymph node levels and the primary tumor are shown. Courtesy of Doctor Otto Alemán Miranda.

Image 5. Main risk and complicationts of the floor of the mouth, (cancer characteritics) Courtesy of Doctor Otto Alemán Miranda.

References

1. Atlas de Patología del Complejo Bucal. (Atlas of Pathology of the Buccal Complex.) Julio C. Santana Garay. 2 ed. Editorial de Ciencias Médicas. La Habana. 2010. Cap. 12. PÁG. 315.

2. ATSDR en español. ¿Qué es el cáncer? ATSDR in Spanish. What is cancer? 2010 (On-line); [2 páginas] Disponible en: http://www.atsdr.cdc.gov/es/general/cancer/ Consultado Abril 12, 2022, pág. 2

3. Barclay SC, Turani D. Current practice in dental oncology in the U.K. Dent. Update. 2010, 37(8): 555-561.

4. Cáncer, la noticia más temida. Juventud Rebelde, Cuba, diario de la juventud cubana, edición digital, (Cancer, the most feared news. Juventud Rebelde, Cuba, newspaper of Cuban youth, digital edition,) varios autores. 2010. PÁG.1. [citado en mayo del 2022]

5. Cirugía de Cabeza y cuello. Head and neck surgery.Dr. Robert A. Wise, Dr. Harvey W. Baker. 3ed. [Nueva Editorial Interamericana? [s.a] Cap 2. PÁG.24. [citado en mayo del 2022]

Email address: ottoaleman92@gmail.com



The doctor is a specialist in oral and maxillofacial surgery, fellow in head and neck surgery. He has more than fifty scientific publications. He graduated with one of the highest academic indexes in the country, for which he earned the specialty. He is a researcher and professor at the University of Medical Sciences. He is a comprehensive doctor who likes to operate on all kinds of benign or malignant, congenital or acquired injuries, as well as traumatological, and reconstructive surgery in the buccomaxillofacial and cervical complex. He is finishing his doctorate in medical sciences, so to date, at 30 years old, he is one of the most outstanding young doctors in Cuba.