ORAL PRESENTATION ABSTRACT

2.1. "Plastination, An Ideal Method to Preserve Surgical Specimens in Oral Pathology". "La Plastinación, Un Método Ideal para Conservar Piezas Quirúrgicas en Patología Oral".

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Introduction: The objective of this study was to apply the S-10 plastination technique to 13 surgical specimens from an Oral Pathology private service and perform Cone Beam tomography. **Material and Method:** 13 surgical specimens were obtained from the oral pathology private service with diagnoses such as myxoma, ameloblastoma and osteomyelitis and the S-10 plastination technique was used. Subsequently, Cone Bean tomography was performed for three-dimensional reconstruction and imaging description. **Results:** As a results, 13 specimens with great appearance were obtained and only two cases present retraction of the specimen obtained. The specimens were evaluated with Cone Beam tomography, it was possible to perform the three-dimensional reconstruction and imaging description, as well as descriptive records of the samples. **Discussion:** The background of S10 plastination in oral pathology are limited. (1) Spoorthi (2011) and Dudanakar (2014) employed the technique S10 in specimens of ameloblastoma in the mandible, a melanoma in the maxilla, myxoma and a dentigerous cyst with good results. Since the specimens in the present study consisted mostly of bone tissue with soft tissue lesions and a low percentage of adipose tissue, shrinking was minimal. Cone Beam tomographies will help in the teaching of maxillofacial reconstruction, which students can practice with the plastinated specimens. Instead of using stereolithographic models which are the most common tool for prosthetic fabrication and surgical guide. (3, 4, 5). **Conclusion:** S-10 plastination allows direct handling of surgical specimens without compromising their structure, to display various lesions and observe their macroscopic features in detail. In addition, the specimens are didactic material, to use in practices during the training of doctors specialized in maxillofacial surgery.

References:
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