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Antonio Vicente

Can you use a low-dose CBCT protocol to evaluate the volume of orofacial clefts?

Abstract:

Background: Cleft lip and palate defects (CLP) are the most frequent congenital abnormalities in the craniofacial area. In Sweden, around 2/1000 children are born with CLP. This condition has both physical and psychological consequences and a multidisciplinary team of specialists is, therefore, required for management and treatment. Furthermore, children with CLP are often exposed to ionizing radiation, since radiographs are needed both before and after alveolar bone graft surgery. This procedure is usually performed when the child reaches mixed dentition.

Cone beam computed tomography (CBCT) can be a helpful tool in surgical planning and healing control, as it can show both thickness and height of the alveolar bone. Our aims were to determine the volume of the alveolar cleft as well as anatomical landmarks in the region, using standard clinical- and Low-dose protocols.

Biography

Dr. Almontasir ballah imreewah graduated from the University of Tripoli in 2015 and since then providing the most advanced dental care in a comfortable and pleasant atmosphere are the priorities of Dr. Almontasir ballah imreewah. During this time I was interested in Periodontology as my father specialty. And soon I was finding myself more in periodontology and been involving in much local dental conference

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