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	Abstract No.: P-076
ATINUM SPONSOR	Titles, Measurement of The Cauties! Dans Thiskness At Dantal Tumlant Sites Using Computed
LANMECA	Title: Measurement Of The Cortical Bone Thickness At Dental Implant Sites Using Computed Tomography Images
GOLD SPONSORS	Author(s): Yichun Ko, China Medical University and Hospital (TW) Ming-Gene Tu, China Medical University and Hospital (TW) Heng-Li Huang, China Medical University (TW)
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IORITA	Abstract: Background/Purpose: The survival rate of dental implants is markedly influenced by the bone quality and quantity. The purpose of this study was to determine the thickness of the cortica bone on the occlusal side at potential dental implant sites in different regions of the jawbon using computed tomography (CT) images.
SOREDEX	Materials and Methods: A total of 140 potential implant sites (8 in anterior mandible, 49 in anterior maxilla, 57 in posterior mandible, and 26 in posterior maxilla) in the jawbone of 60 human was selected. The Kruskal-Wallis test was used to assess the correlation between cortical bone thickness and jawbone region. The p cutoff value for statistical significance was set to 0.05.
	Results: The cortical bone thickness in the four regions decreased in the following order: anterior mandible $(1.76+0.50 \text{ mm}, \text{mean+SD}) > \text{posterior mandible} (1.61+0.52 \text{ mm}) = anterior maxilla (1.56+0.51 \text{ mm}) = posterior maxilla (1.56+0.49 \text{ mm}).$

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