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6. Language of the work : ENGLISH
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(57) Abstract :
Gingival biotype is the thickness of the gingiva in the facio-palatal dimension. It has a significant impact on the outcome of the restorative, regenerative and implant therapy. Various invasive and non-invasive methods were proposed to measure tissue thickness. These include direct measurement, probe transparency (TRAN) method, ultrasonic devices, and cone-beam computed tomography (CBCT) scan. The present disclosure relates to a dental science and in particular to a method for detection of gingival phenotype for dental implant treatment planning. Sensor and image capturing module is attached to Williams's graduated probe which is then inserted horizontally transgingivally. The captured image and sensor data is then transferred to controller where a memory unit has a prestored data and values to measure thickness of soft tissue. further data analyzing module is activated. output module shows result as obtained at end of process which displays values of thickness of gingiva in millimeter.

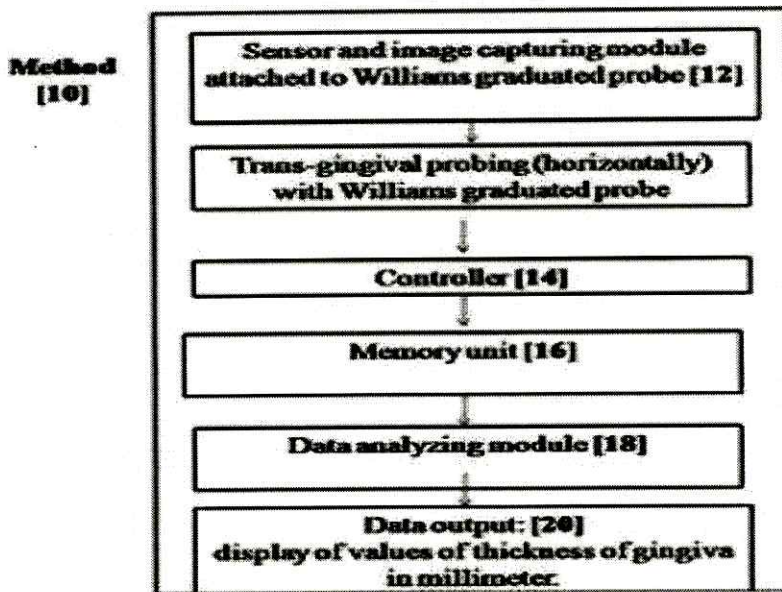


FIGURE 1: Diagrammatic representation of a method for detection of gingival phenotype for dental implant treatment planning:

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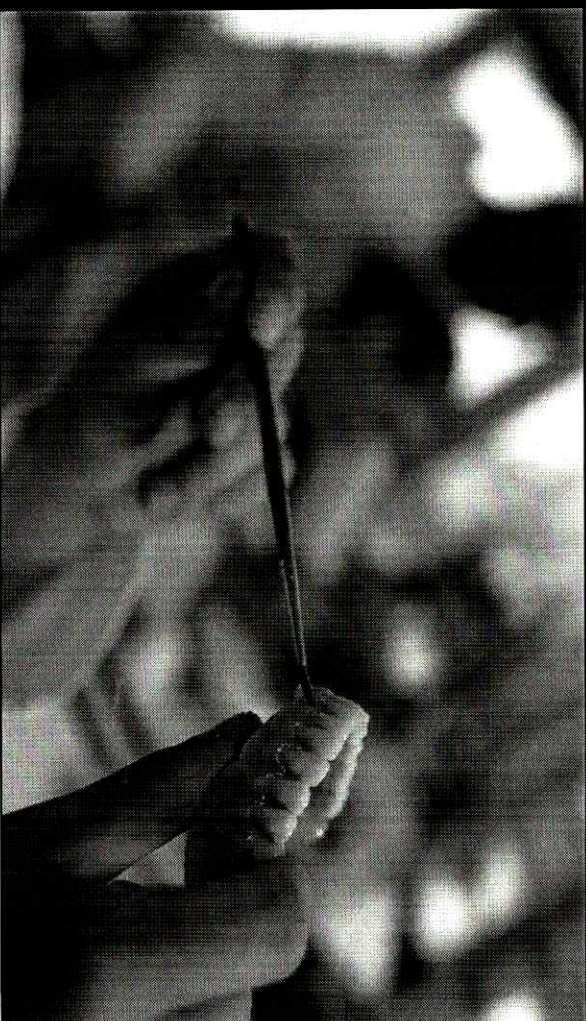
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A successful denture may be defined as one in which the three cardinal factors of mechanics, esthetics, & phonetics are so completely & perfectly harmonized, that the patient can not only chew his food properly, but also experiences equal satisfaction from the contribution of the denture to his facial expressions & speech. It is frequently found that even with mechanically satisfactory denture the patient will complain of not being able to chew well. Perhaps, with only a slight improvement in esthetics, the patient will no longer complain of the inefficiency of dentures. The goal of a successful denture today is to attain a healthy beauty by harmonizing morphology & function.



Dr. Nikita Kale
 Vivekanand Jadhav
 Babita Yeshwante

Esthetics in Complete Denture

I am a postgraduate student passionate about esthetics in all aspects of dentistry especially natural dentures, mimicking nature is the prime goal of my life.

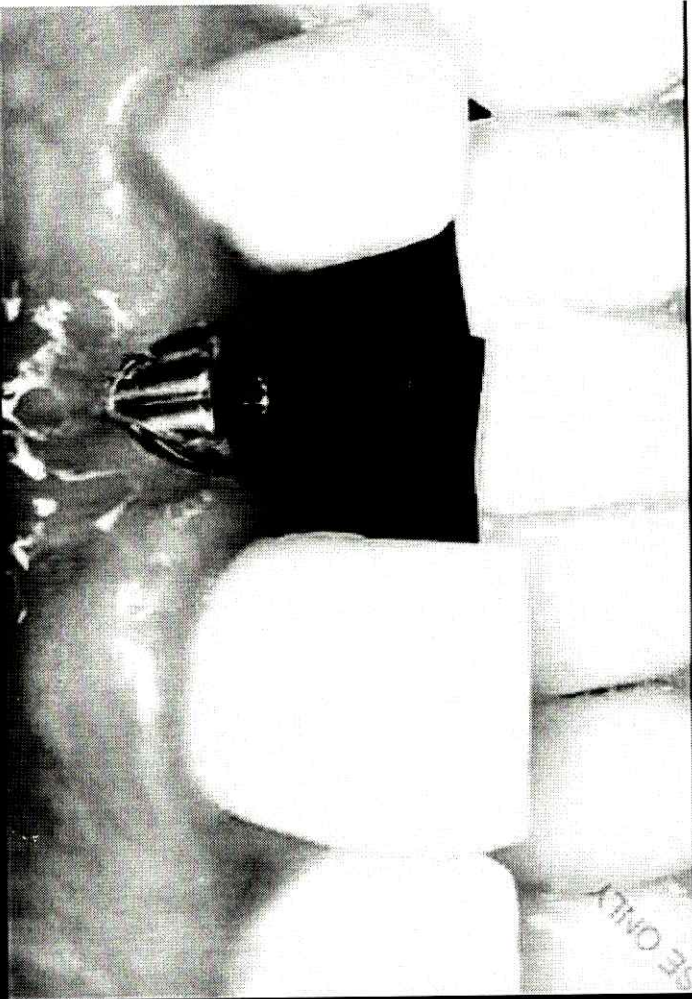


Kale, Jadhav, Yeshwante



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Implant Impression is a crucial step for success of implant prosthesis, selection of materials, type of impression technique (open tray or closed tray), everything is illustrated with diagrams in the above book. The wide applicability and ever increasing pace of the implantology research has resulted in the evolution of various implant impression techniques, options available for the dentist have improved in terms of the availability of various impression materials. Because of this, the selection of appropriate impression technique that suits the patient's condition and dentist's operation skill has become more challenging. Hence it is vital to have a knowledge on the various techniques in order to fabricate a successful implant supported prosthesis.



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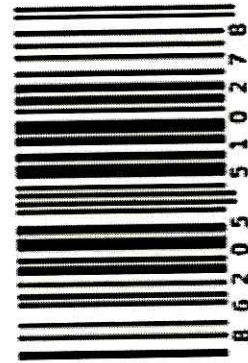
Renu Ladda is a postgraduate student passionate about implants and complete dentures.

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Implant Impression

A comprehensive book for implant impression

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Gauri Patil
Suchita Daokar
Ruchita Dandagaval

LIGHT CURING DEVICES

CHE

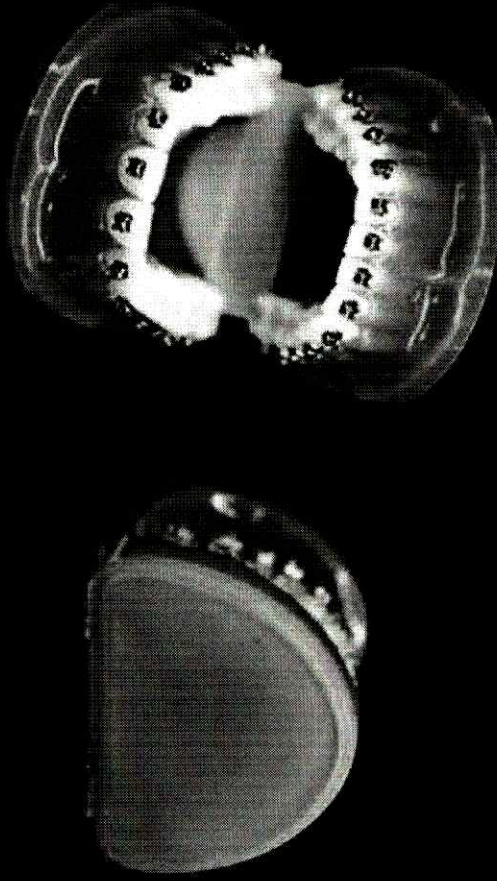
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The aim of this systematic review was to evaluate proper site for orthodontic mini-implant placement and Does bone density vary in anterior and posterior region or buccal and palatal region in maxilla and mandible. In this systematic review, 15 In vivo studies and 2 In vitro studies were included. Data from a total of 1277 patient's radiograph were included in this review out of which 821 are CBCT scan and 456 are CT scan. The density and site suitable for the orthodontic mini-implant placement is examined. In conclusion, males have a thicker and higher density alveolar cortical bone than females. Adult show a thicker alveolar cortical bone than adolescents. In the mandible, the alveolar cortical bone is more compact and thicker than in the maxilla. High value of thickness and density characterize posterior regions of both jaws. Palatal bone is thicker than the buccal cortical bone. There is a significant linear increasing of thickness and density from crest to base of alveolar crest.

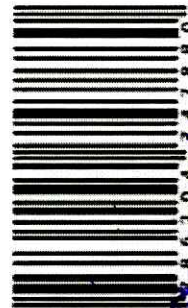


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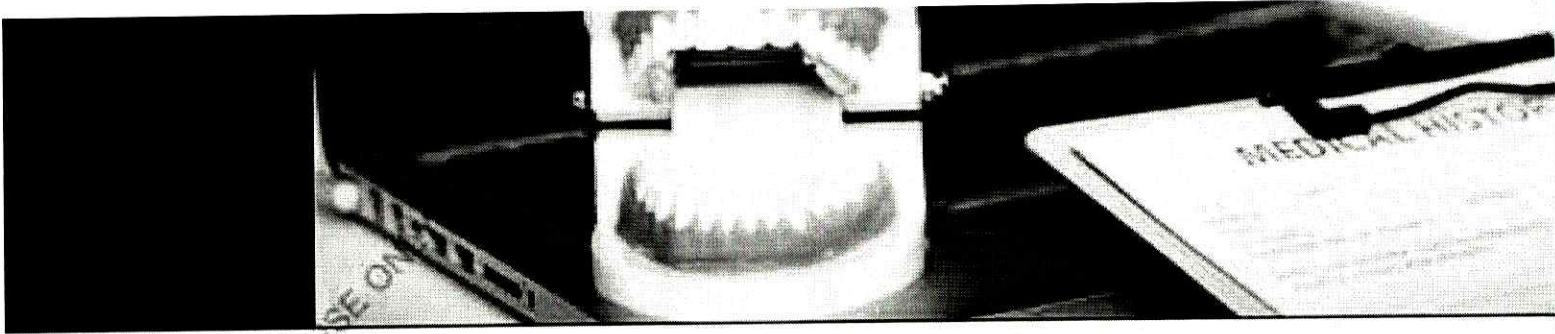
Bone density and site for orthodontic mini-implant placement

Systematic review



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