



**DENTCON
PANVEL 2020**

CERTIFICATE OF Merit

Awarded to PRANIDHIPURNIMA DINESH RACHU

for Securing 2nd Prize in E-poster / ~~Case~~ of the Season

Congratulations For Outstanding Achievement

DR SAMIDHA GANDHI
(PRESIDENT PDWA)

DR GOPAL SHITOLE
(SECRETARY PDWA)

Association
Prevent.. Dedicate..



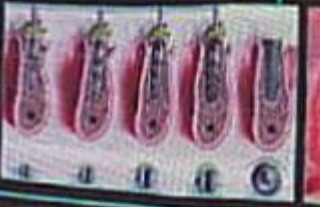
DENT
PANVE

BONE DENSIFICATION AUTO GRAFTING: A NEW TREND FOR IMPLANT OSTEOTOMY PREPARATION TECHNIQUE

Osteodensification is a technique that aims at bone preservation and consolidation through laser assisted ultrasonic drilling of implants with laser-assisted design



- ### ADVANTAGES
- 1) COMBINATION AUTOGRAFTING / CONDENSATION increases primary stability
 - 2) Increases BIC
 - 3) maintains bulk of the bone
 - 4) INCREASES BONE DENSITY
 - 5) increases pre-implant bone density (NBB)
 - 6) RESISTANT TO RIGID EXPANSION
 - 7) placement of larger implants possible
 - 8) INCREASES BENDING STIFFNESS
 - 9) INCREASES IMPLANT STABILITY
 - 10) INCREASES IMBEDDING TORQUE VALUE
 - 11) SHORTER AND EASIER FINAL TREATMENT



- ### BUR DESIGN
- 1) Laser assisted ultrasonic drill bit
 - 2) Laser assisted ultrasonic drill bit
 - 3) Laser assisted ultrasonic drill bit
 - 4) Laser assisted ultrasonic drill bit



- ### DISADVANTAGES
- 1) Increase in temperature results in necrosis
 - 2) Don't work with cortical bone
 - 3) Corrosion of endografts need to be avoided

- ### INDICATIONS
- 1) Alveolar ridge expansion
 - 2) Sinus lift
 - 3) Avoiding bone grafting
 - 4) In areas having D3 and D4 bone



- ### IN A NUTSHELL
- Osteodensification
 - ↓
 - Increase in bone density
 - ↓
 - Increase in BIC
 - ↓
 - Increase in primary stability
 - ↓
 - Osteointegration
 - ↓
 - Biomechanically stable implant
 - ↓
 - Returns to regular remodeling
 - ↓
 - SUCCESSFUL IMPLANTS

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Grid of logos including: DS Co., ILLUMINON, G, Di Rudy's, and others.

Grid of logos including: DOSHI, NMD, Ivoclar Vivadent, Dr Kedar Bakshi, V, DOSHI, and CHIRMAIDENT.

A woman in a dark blazer and pants is standing on the left side of the stage, holding a microphone and gesturing towards the presentation board.