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**Global Presence -
More than 96+
Countries**



Implant**swiss** - CASE STUDY

CASE STUDY BY - Dr Gautham V Rajamundry



“

*CASE - A case of extraction.
Followed by immediate
placement followed by
immediate fixed temporary
within 72 hours*

”

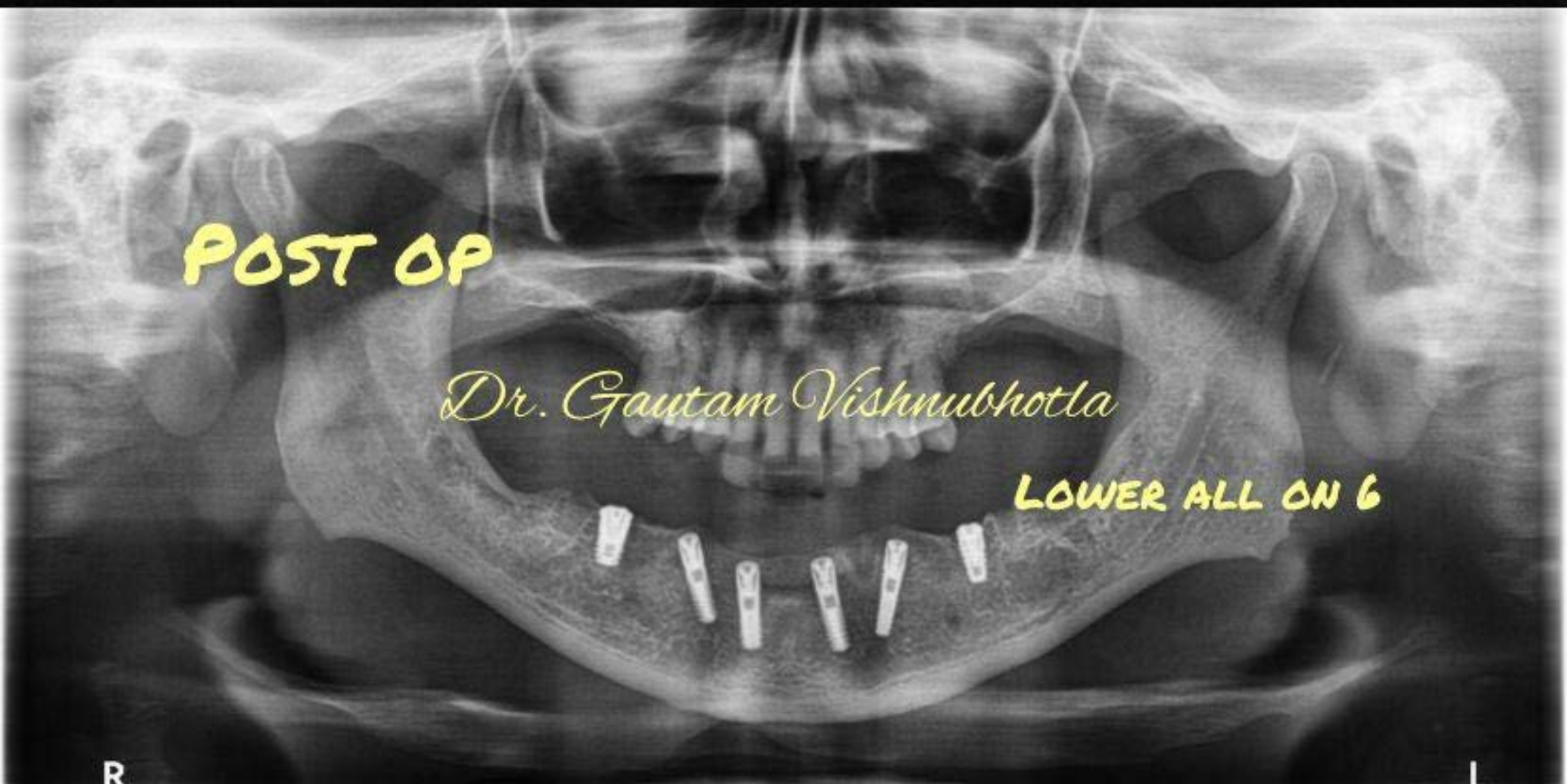


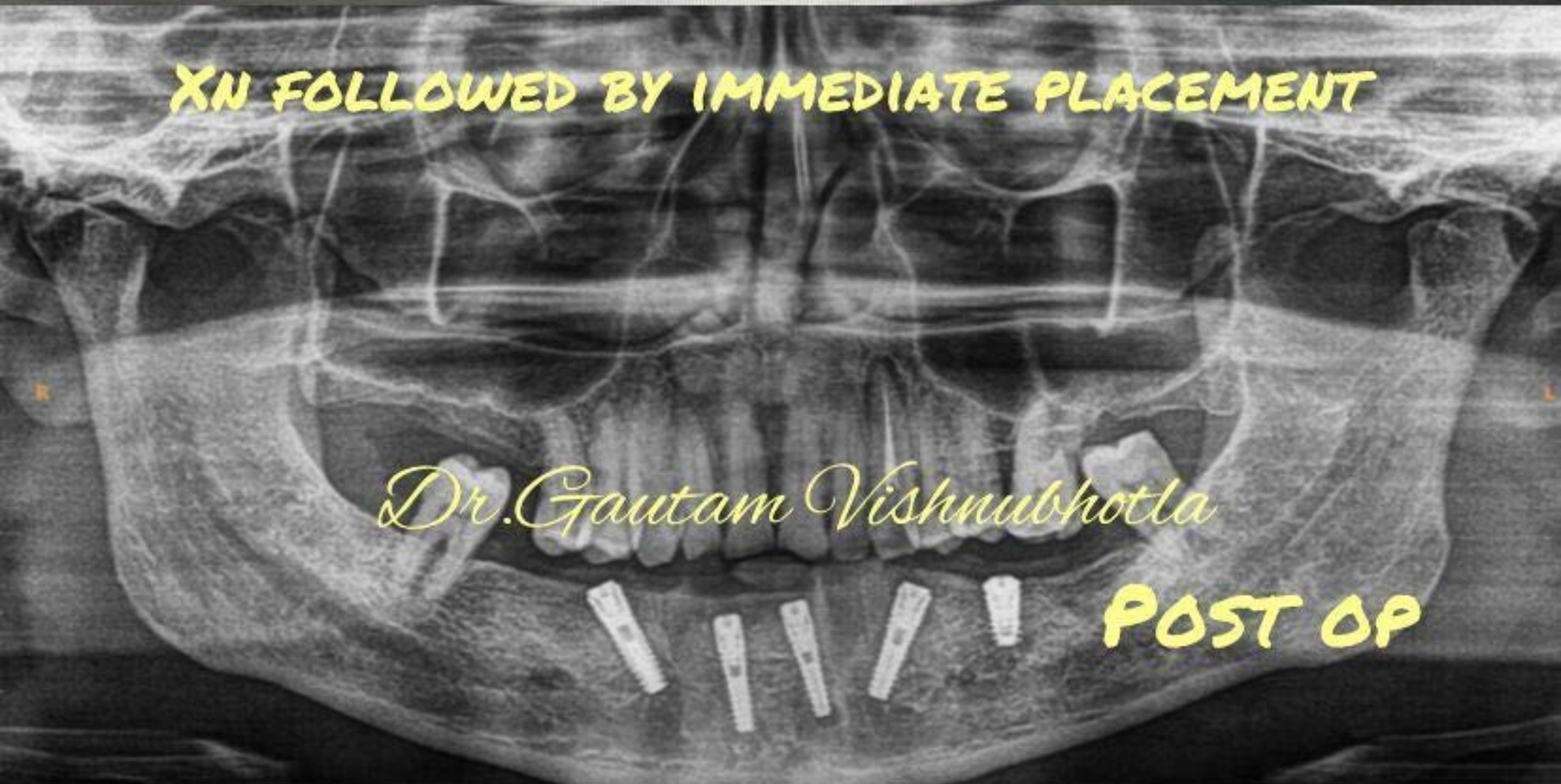
ZYGOMA





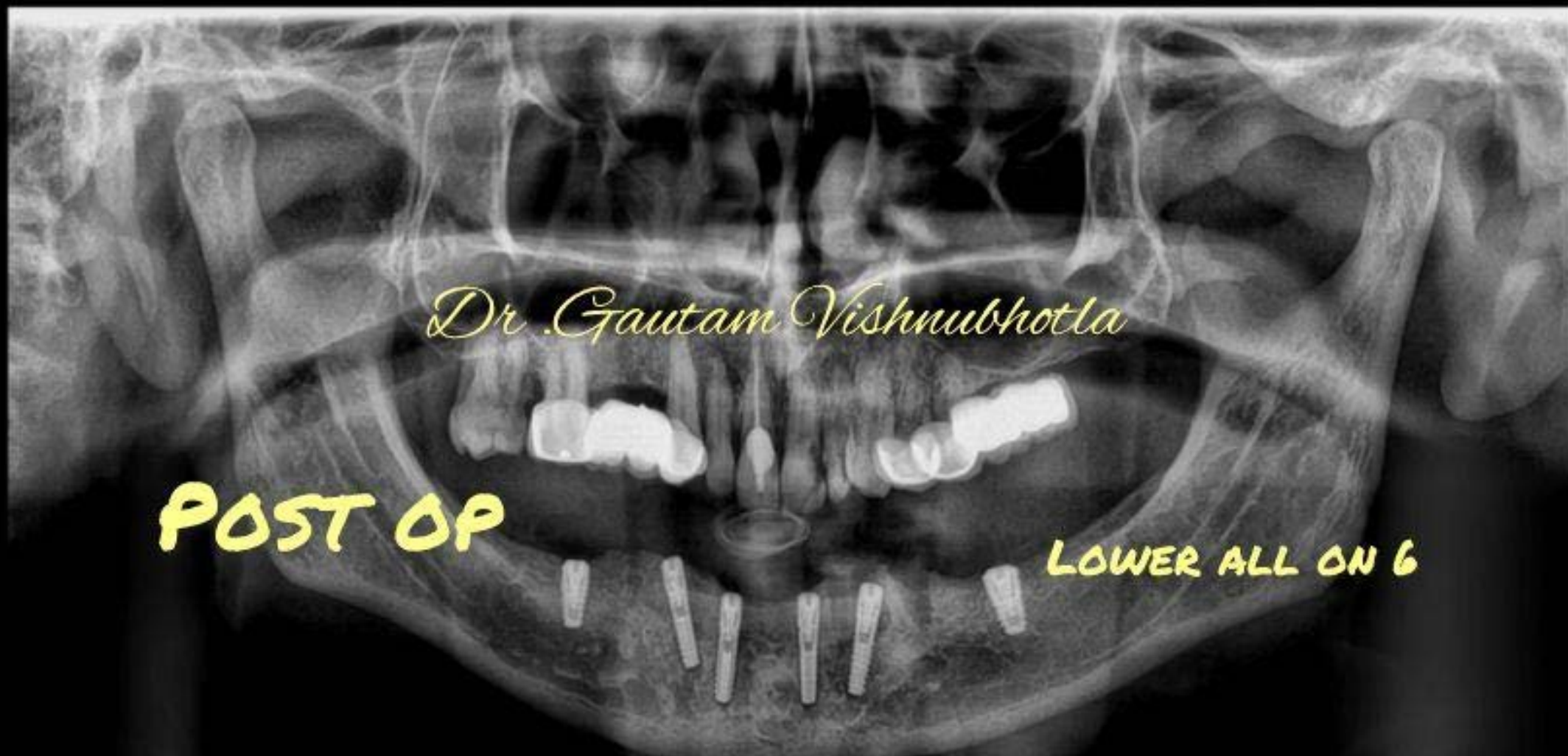
A CASE OF XN FOLLOWED BY IMMEDIATE PLACEMENT

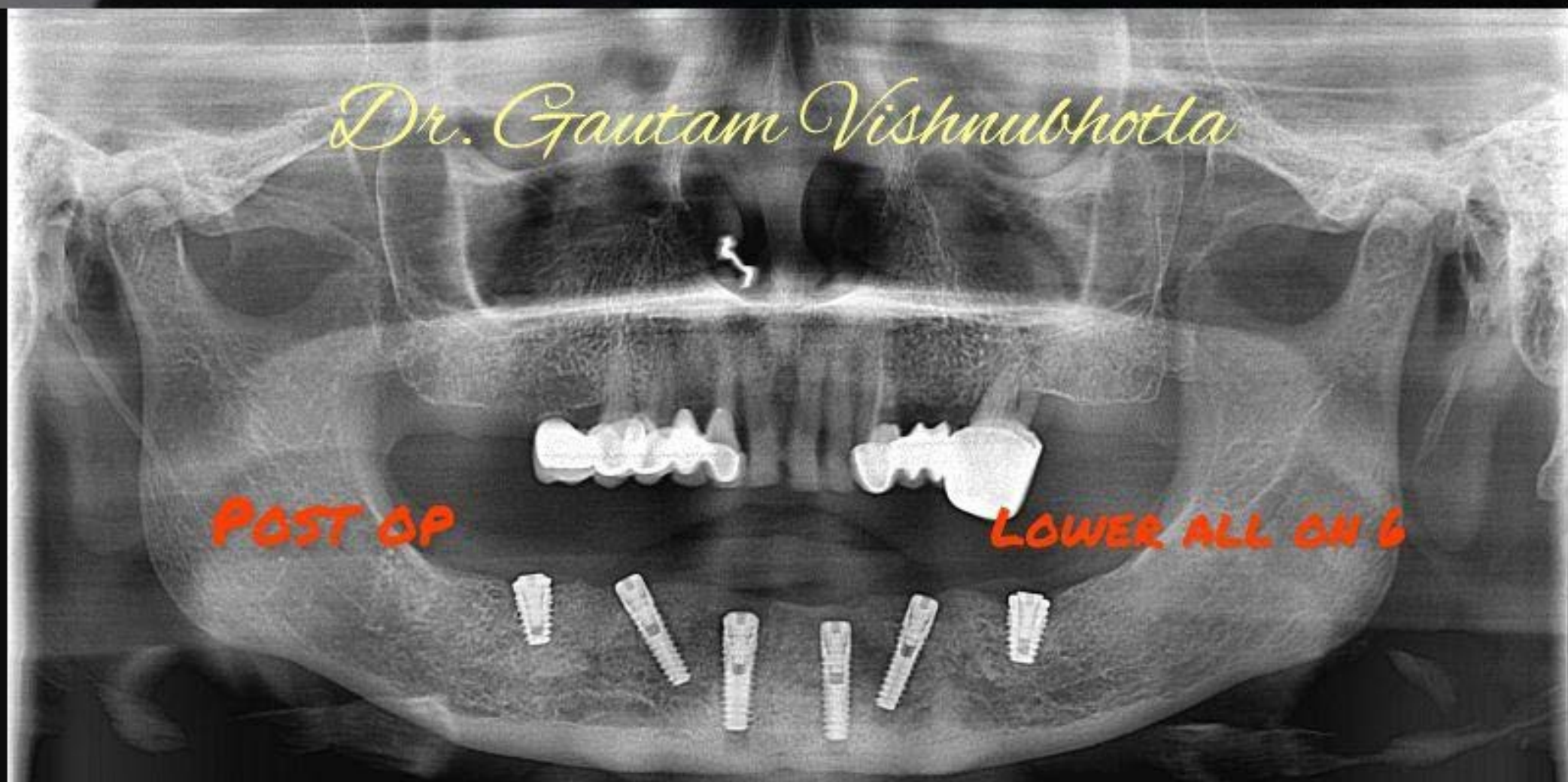






A CASE OF XN FOLLOWED BY IMMEDIATE PLACEMENT





Dr. Gautam Vishambhatta

PRE-OP



Dr. Gautam Vishnubhotla

IMPRESSION JIG





HEALING IN 72HRS



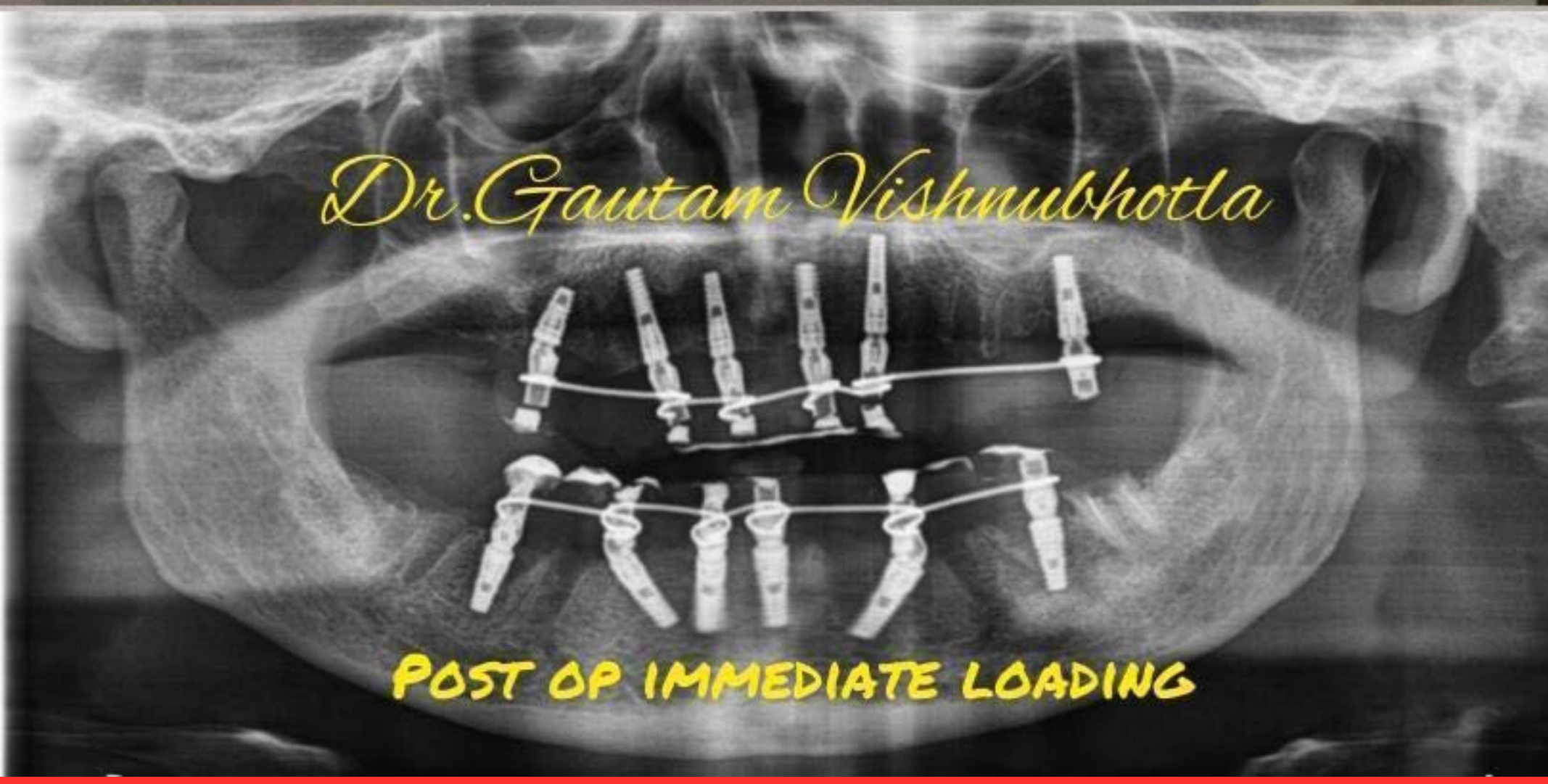
Dr. Gautam Vishnubhotla

Dr. Gautam Vishnubhotla



PRE OP

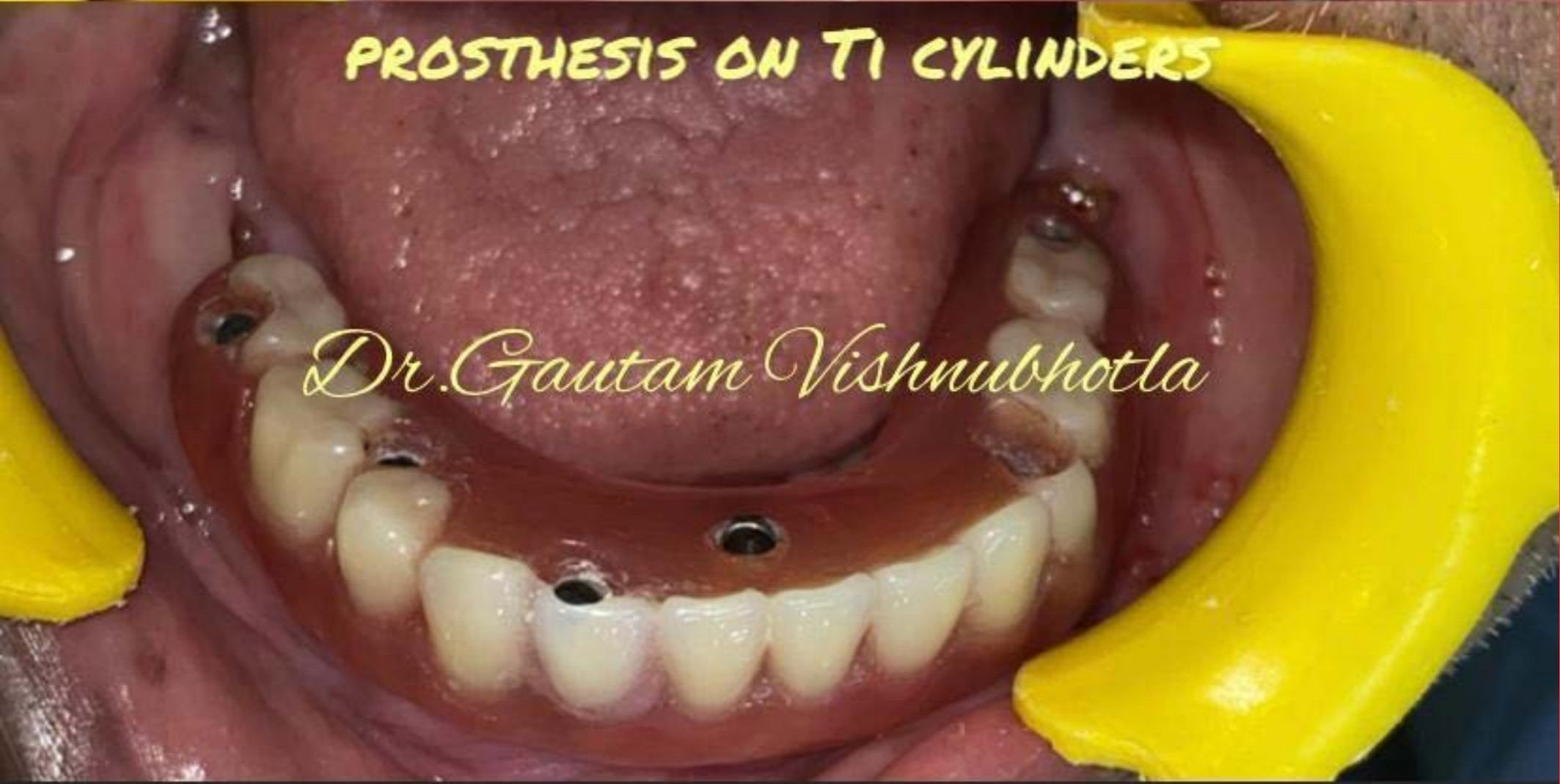
Dr. Gautam Vishnubhotla



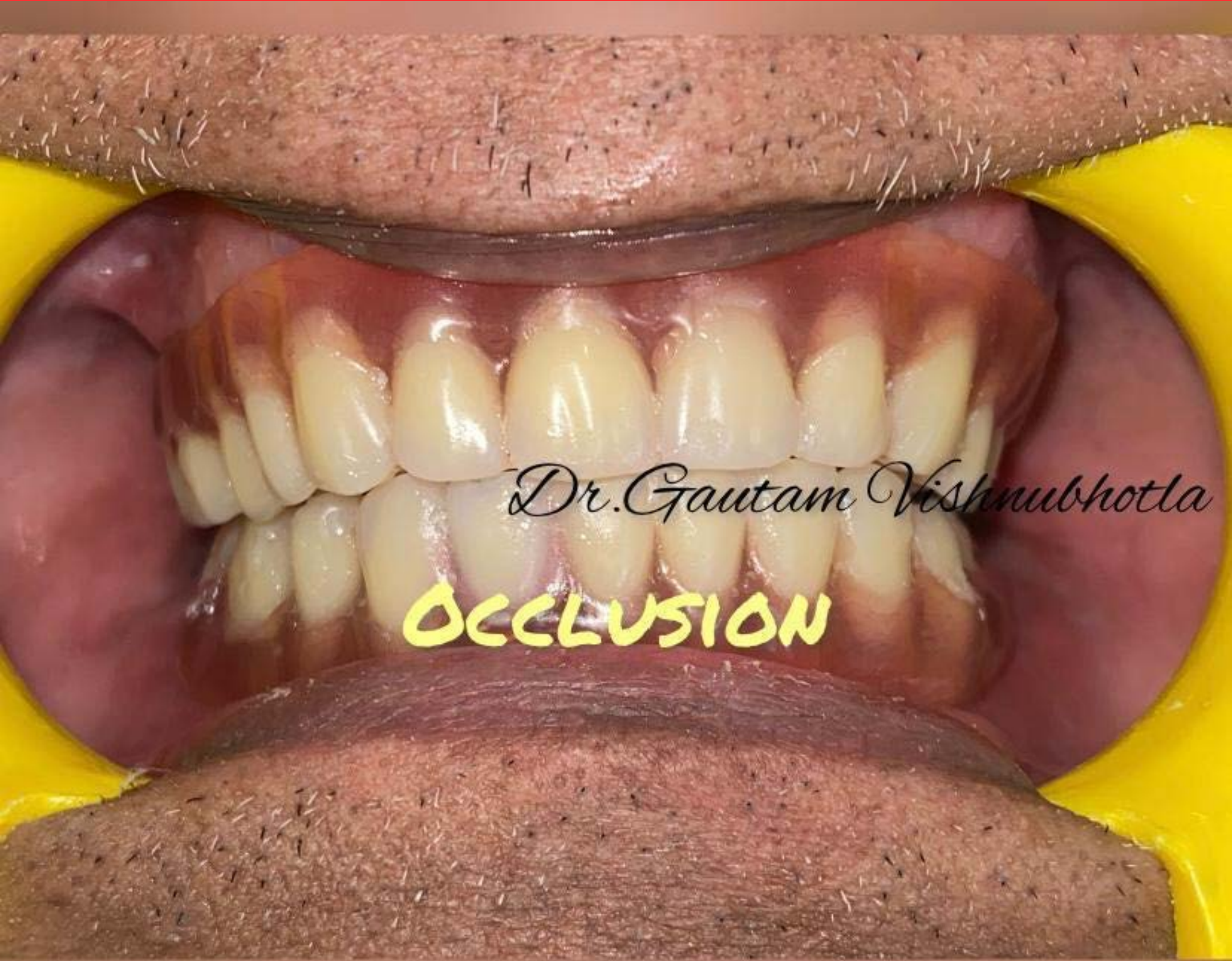
POST OP IMMEDIATE LOADING



**IMMEDIATE FIXED TEMPORARY
PROSTHESIS ON TI CYLINDERS**



Dr. Gautam Vishnubhotla



Dr. Gautam Vishnubhotla

OCCUSION

MALO ON TI FRAME

Dr. Gautam Vishnubhotla



Implant**swiss** - CASE STUDY

CASE STUDY BY - Dr Gaurav Malik



Conventional
implants case
4.3x10 and 4.3x12

“

You can have aesthetically pleasing results even in the aesthetical zone and design the ideal smile with bone level implants. You can create the perfect collar cohesion and gingival profile

”



PRE-OP Without Dentures



GM

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Dr. Gaurav Malik



GM

DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik



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DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik



GM

DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik



GM

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Dr. Gaurav Malik

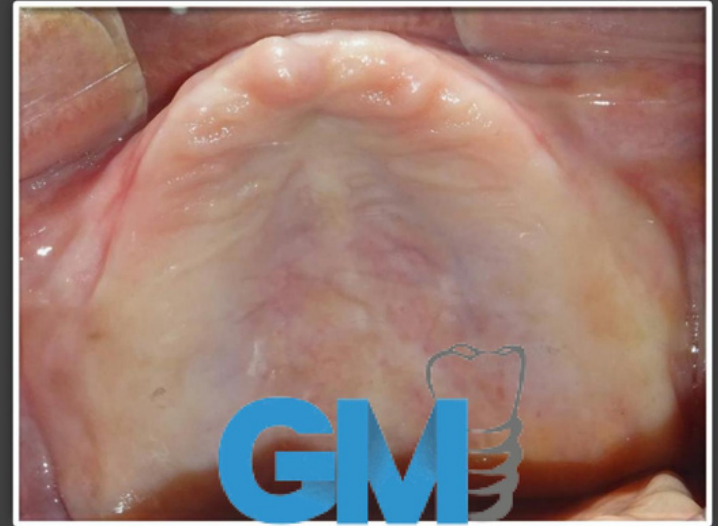


GM

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Dr. Gaurav Malik

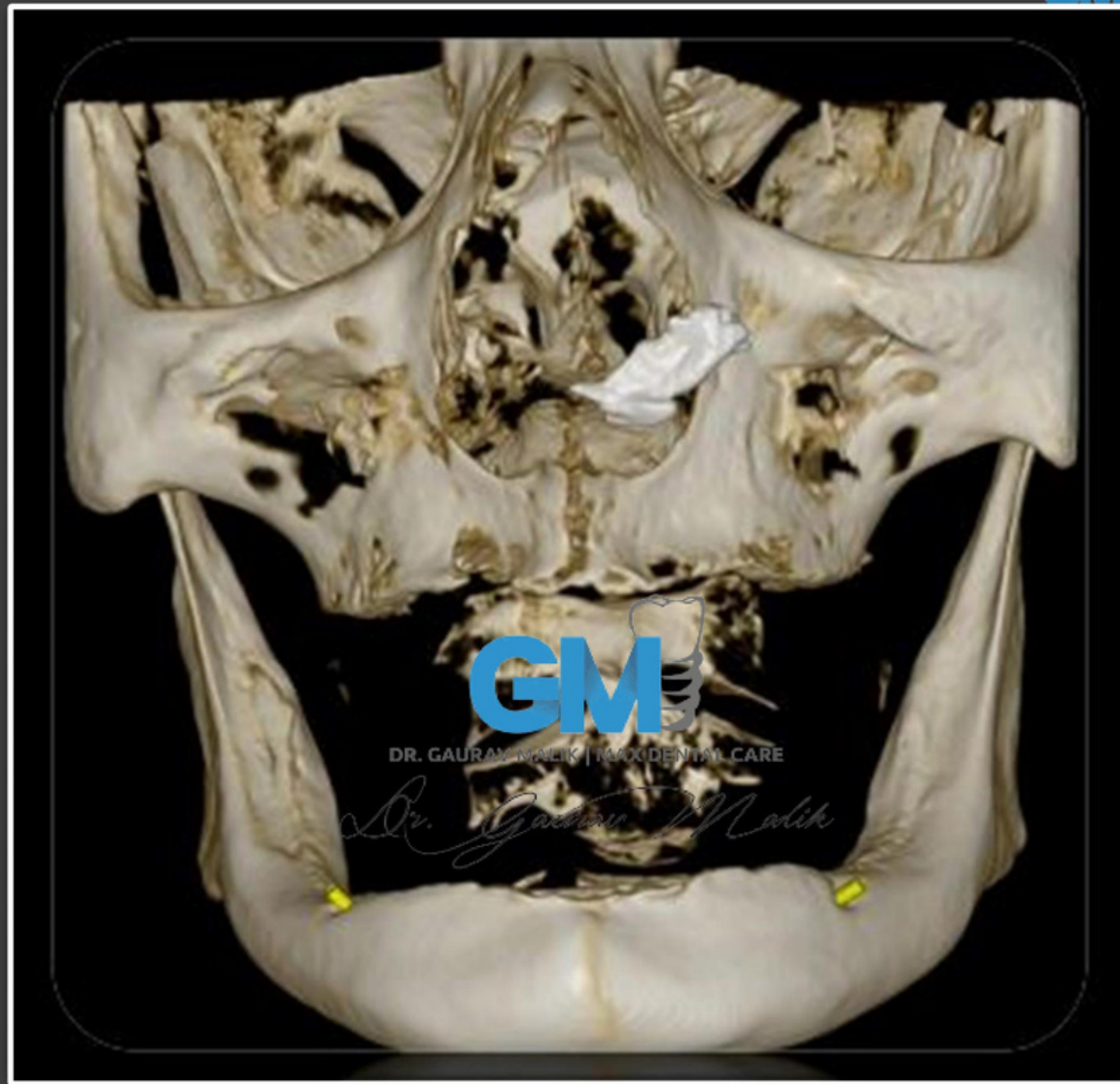
SEVERELY RESORBED RESIDUAL RIDGES



PATIENTS OLD DENTURES –
2nd set replaced 5 years ago

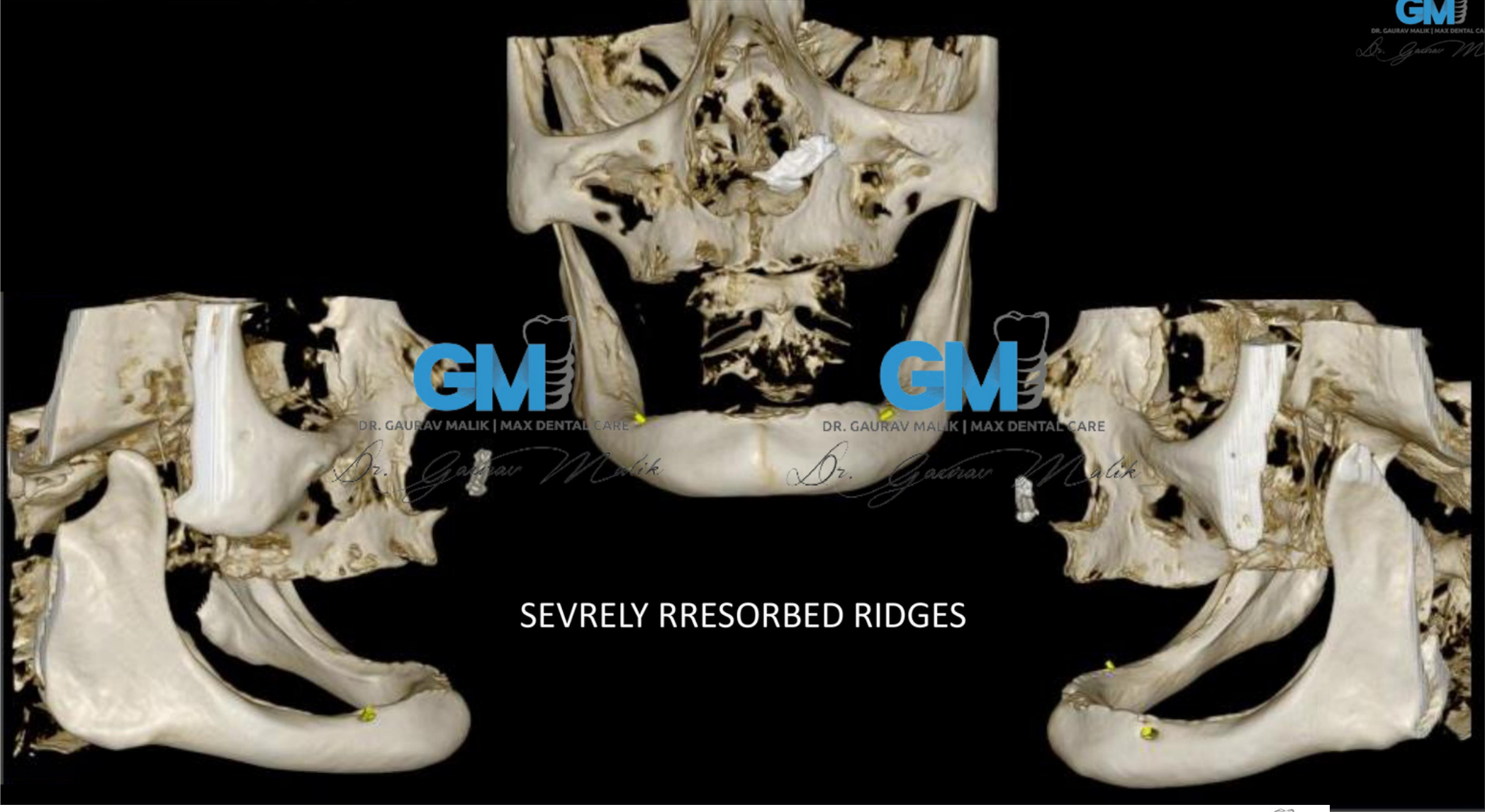


CONE BEAM-CT

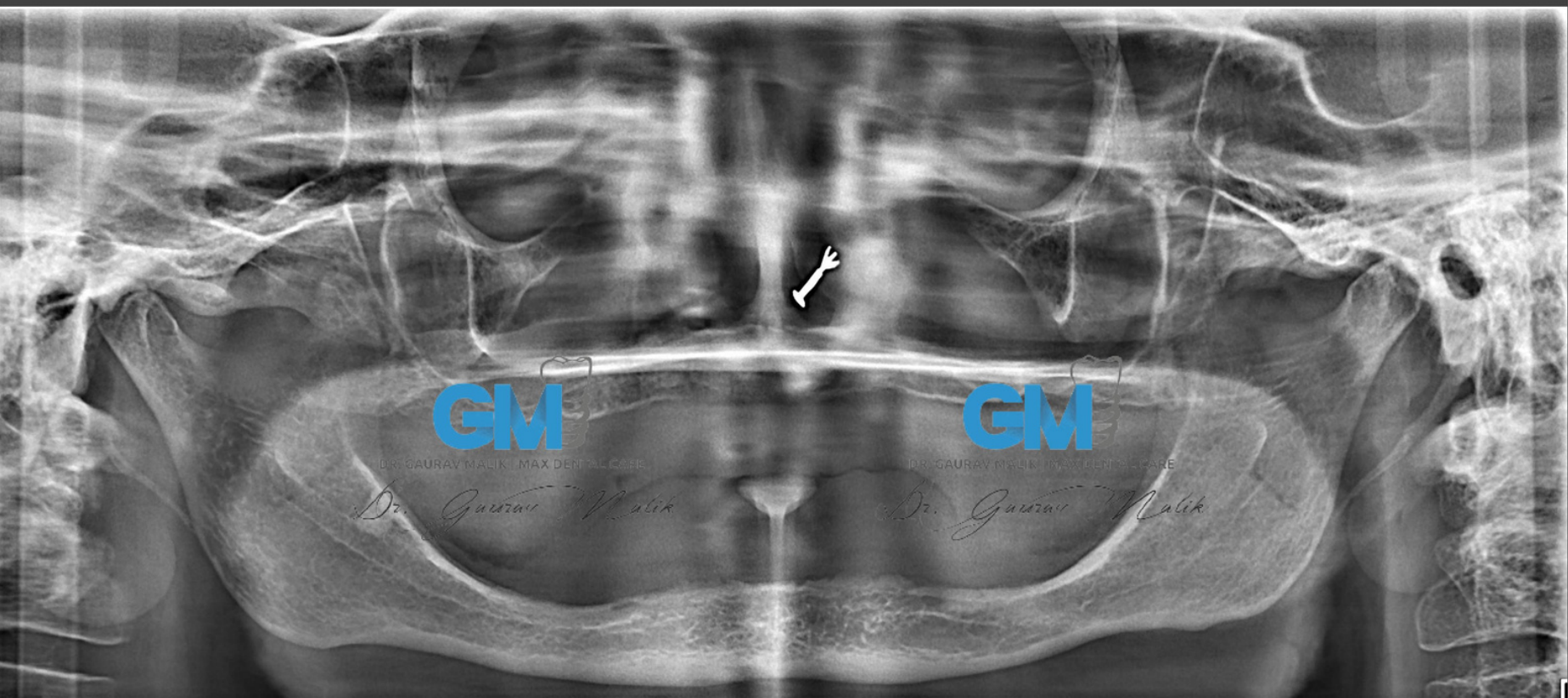


CONE BEAM-CT

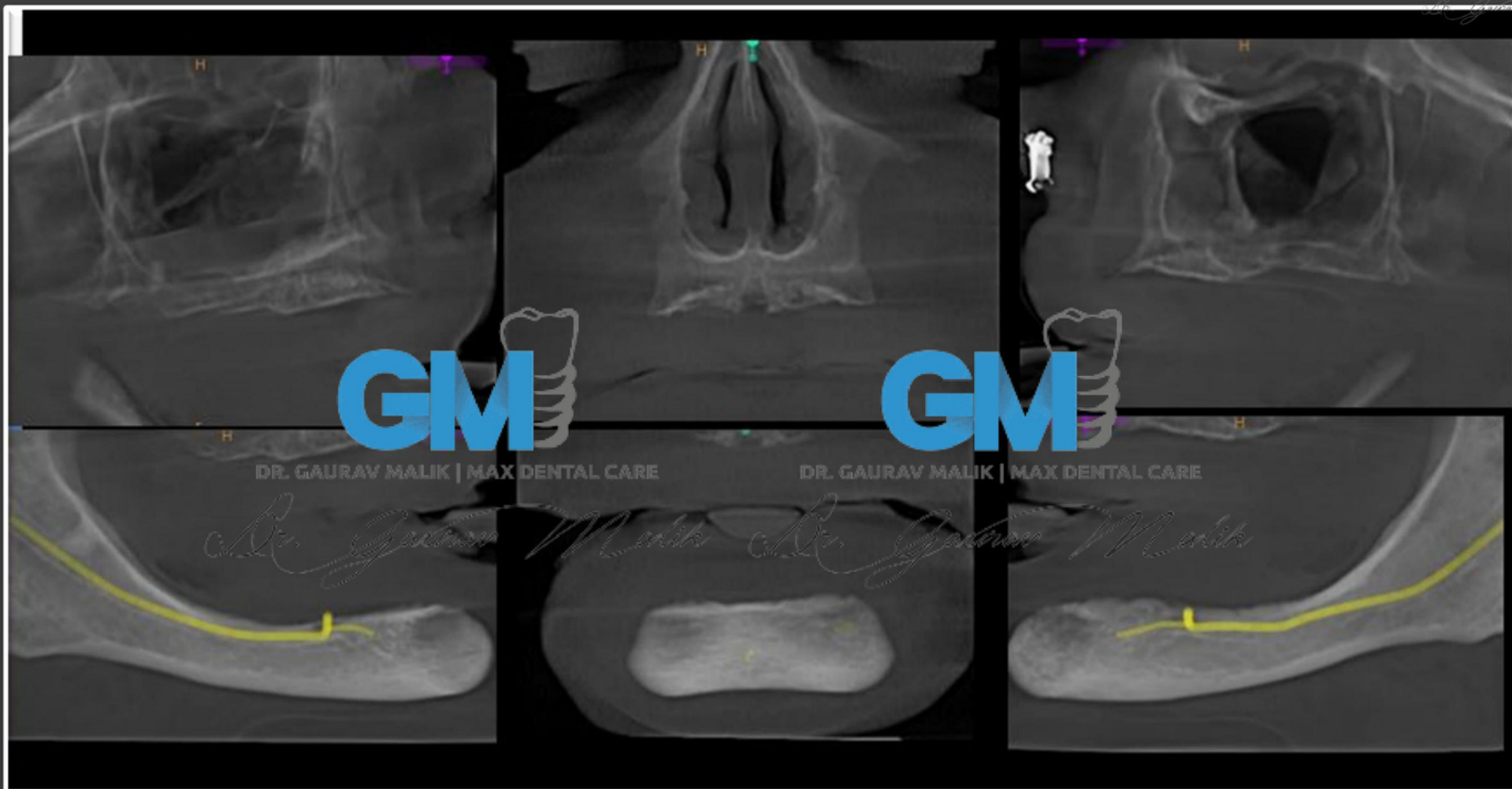




PRE-OP OPG

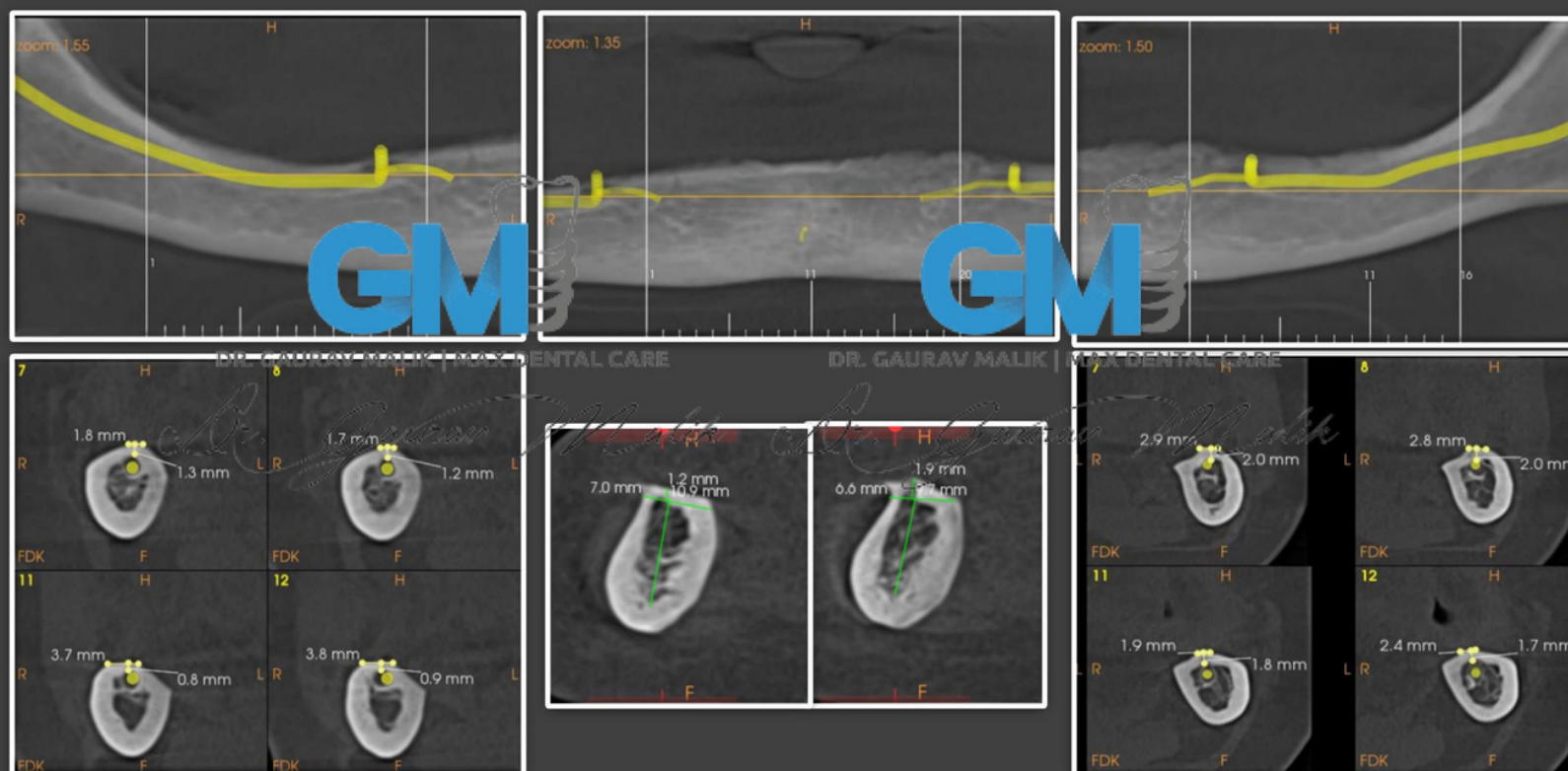


NERVE SURFACED ON RIDGES



SEVERELY RESORBED RIDGES-

- 6-8 MM DIAMETER AT CREST
- LENGTH 9 TO 10 MM



VIRTUALLY DENTAL IMPLANT PLACEMENT IN ANTERIOR SEGMENT



CRESTAL INCISION WITH FLAP RAISED

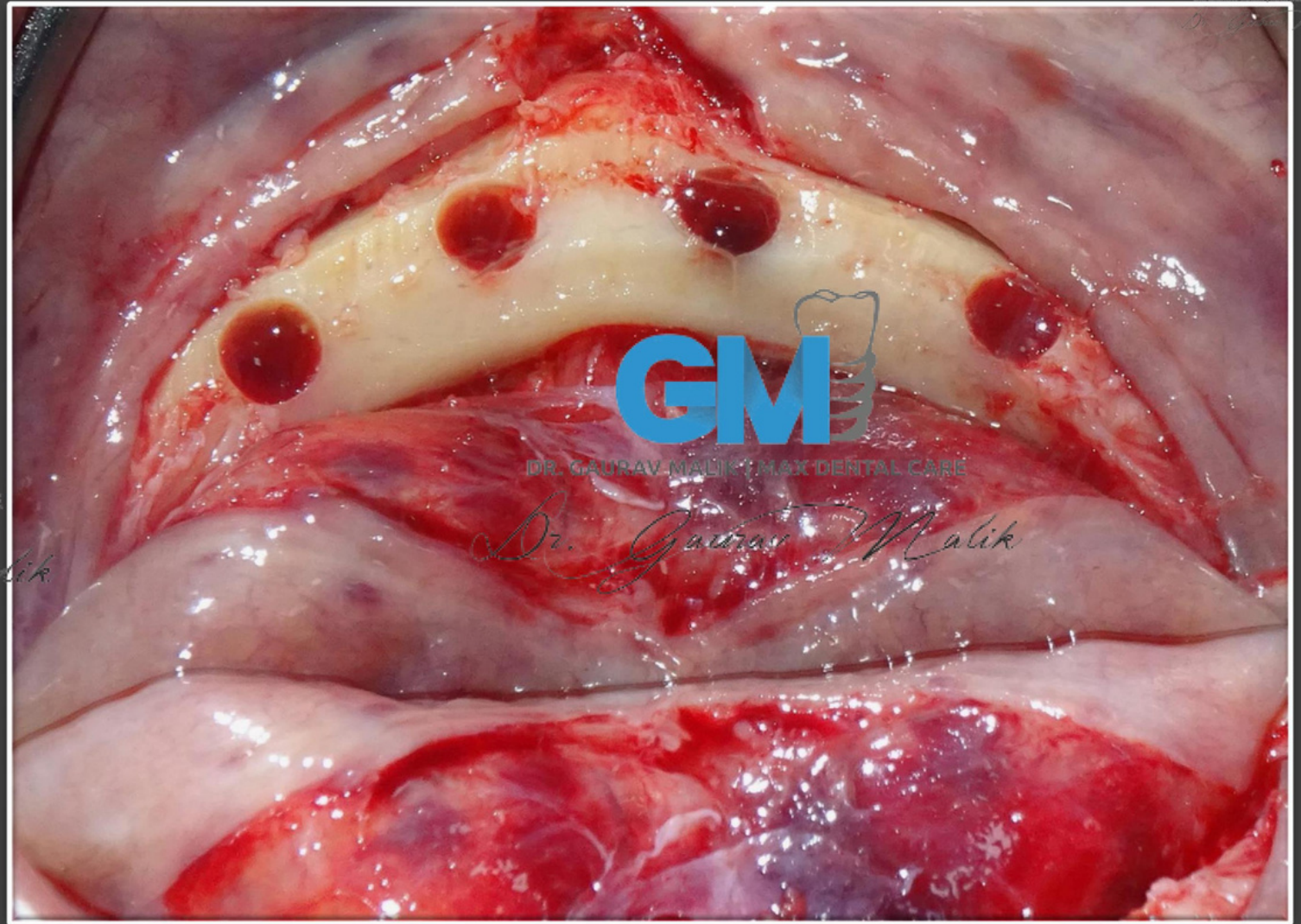


OSTEOTOMY DONE



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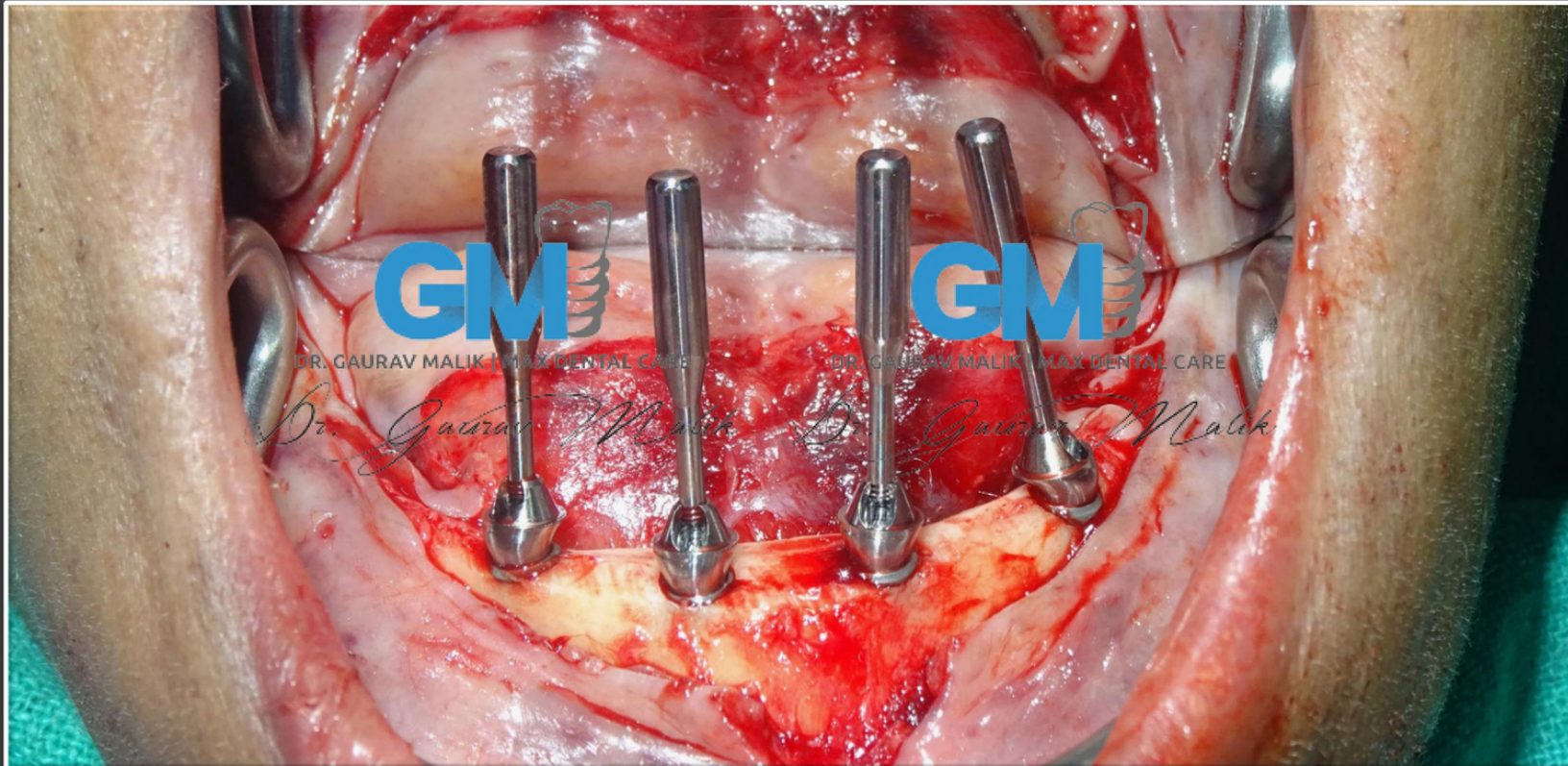
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Dr. Gaurav Malik

PLACING MULTI-UNIT ACHIEVING OPTIMUM PARALLELISM OF IMPLANTS



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Dr. Gaurav Malik

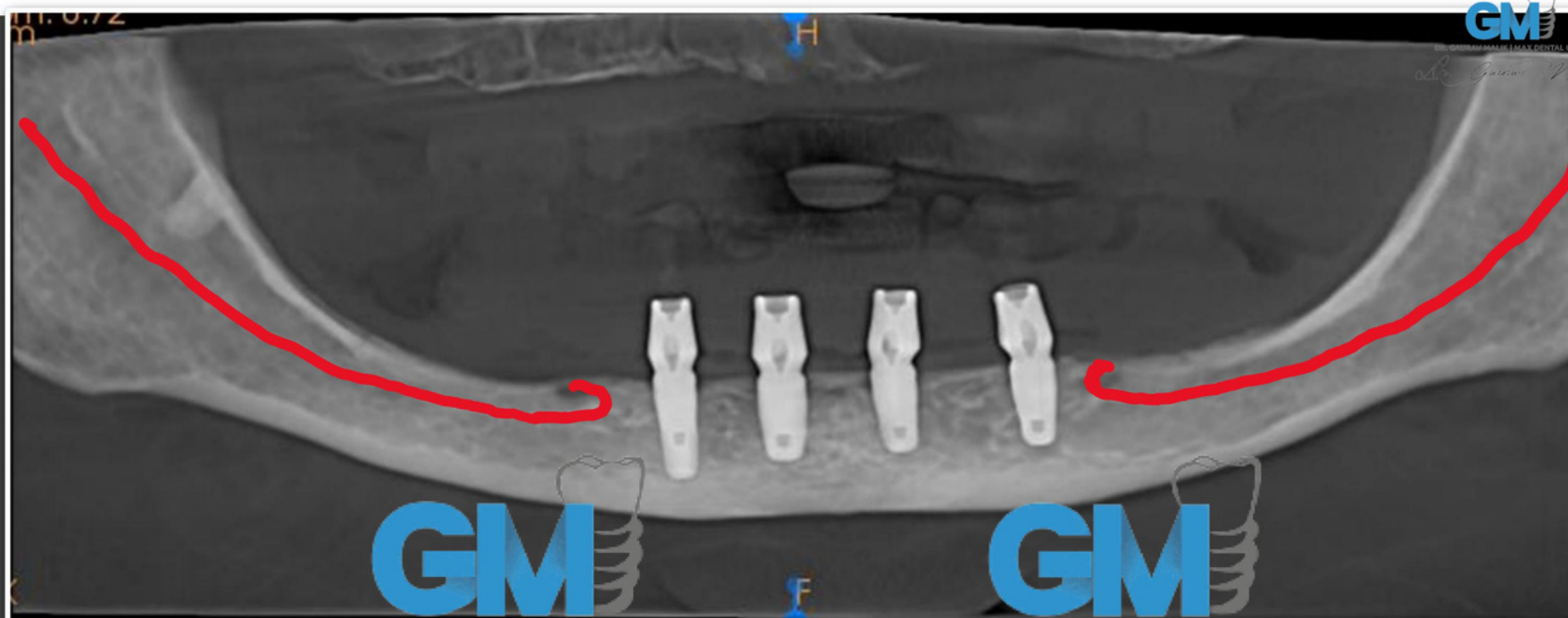
SUTURING ACHIEVING COMPLETE HEMOSTASIS



POST-OP OPG

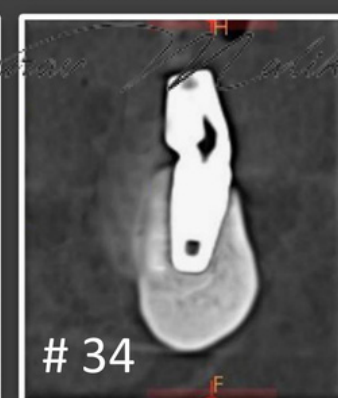
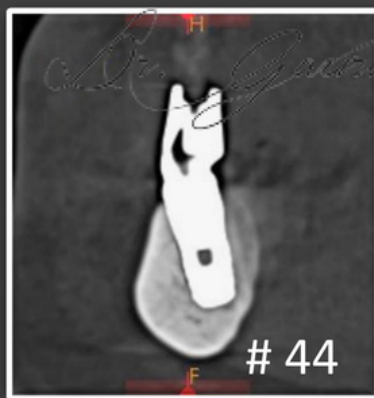


POST OP
CBCT



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Paradigm Shift



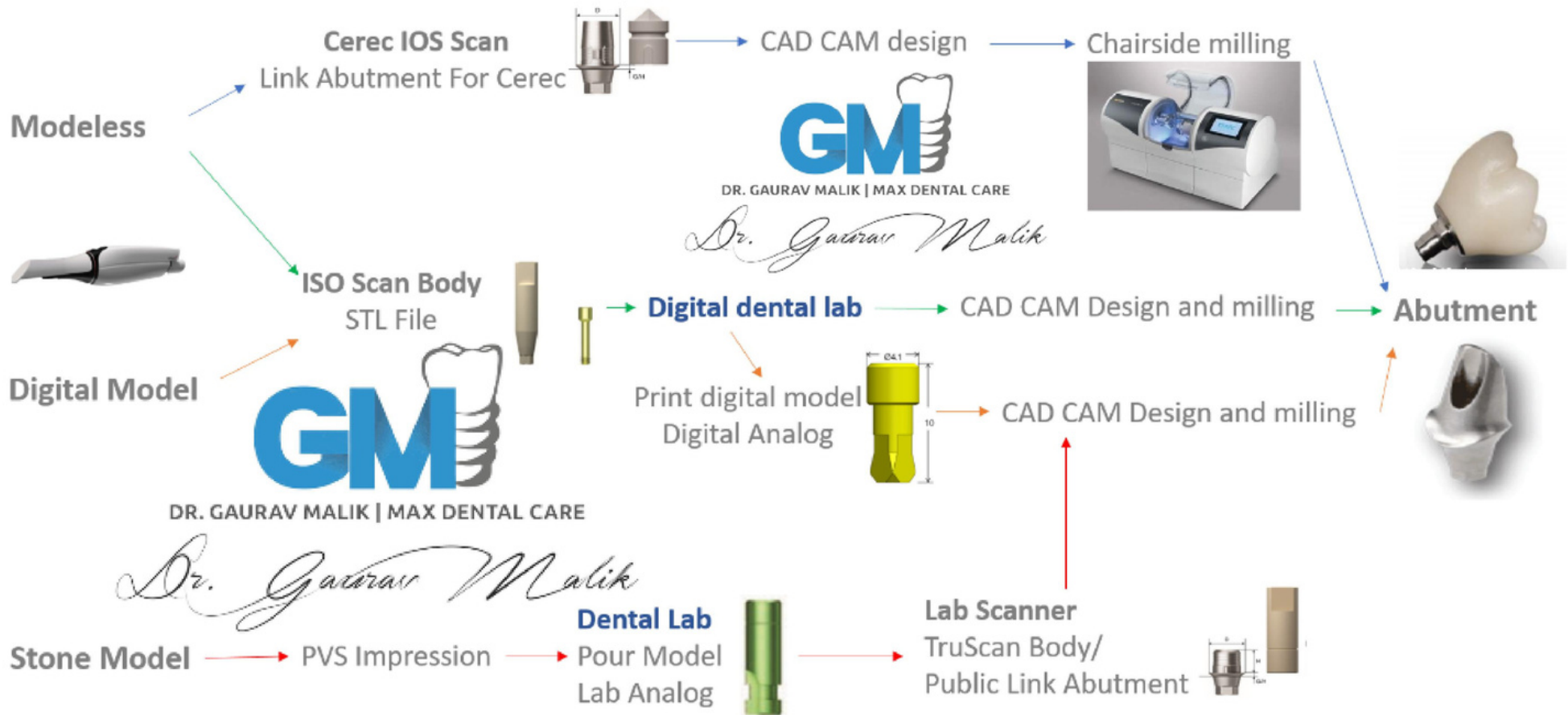
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DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik Dr. Gaurav Malik

DIGITAL IMPLANTS PROSTHETIC WORKFLOW



Digital dentistry- are you at the fence?

- Digital dentistry has revolutionized the way dental professionals provide patient care, allowing for **greater precision, accuracy, efficiency, and accessibility.**
- Digital dentistry simplifies the entire workflow and helps improve the **communication between dentists and dental technicians as well as the communication with patients.**
- Using the digital techniques such as CAD/CAM, milling, and 3D-printing allows for a **more efficient workflow**, also leaving the patients with a more pleasant dental experience.
- Indeed, it can be stated and expected that the **future of digital dentistry is exciting and promising**, with new technologies and innovations emerging and progressing all the time.

CHALLENGES IN DIGITAL DENTISTRY

• TIME ?



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• COST ?



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Dr. Gaurav Malik

- The use of intra-oral scanners require **high digital skills and precision**
- There is **a large gap between dentists and dental technicians** in sending and receiving right information and being in sync with each others expectations in terms of libraries, digital components, materials and so on.
- The digital techniques; intra-oral scanners, lab scanners, milling machines, and 3D-printers all need to **work seamlessly**, to maintain a balance between simplicity, speed, and reliability
- Also as technology develops rapidly, the manufacturing companies seem to move a bit too fast. Instead, they **need to stabilise their hardware and software** so that the digital techniques maintain their reliability.

PRIMESCAN AND MILLING SINTERING



DIGITAL INTRA-ORAL SCAN - MAXILLA

DISPLAY OBJECTS

- Upper Jaw 100%
- Lower Jaw 100%
- Scanbody Lower 100%

TOOLS

- Form
- Cut
- Replace

ANALYZING TOOLS

- Shade Analysis
- This area was scanned with expired color calibration data. The results may not be accurate.

Bottom Bar: Upper Jaw | Edit Model ✓ | Manual Registration ✓ | Buccal Bite Registration * | Set Model Axis * | View Model

DIGITAL INTRA-ORAL SCAN - MANDIBLE

Primescan: SWITCHED OFF

Primescan is switched OFF
Activate the Primescan by using the foot switch or the SW button.

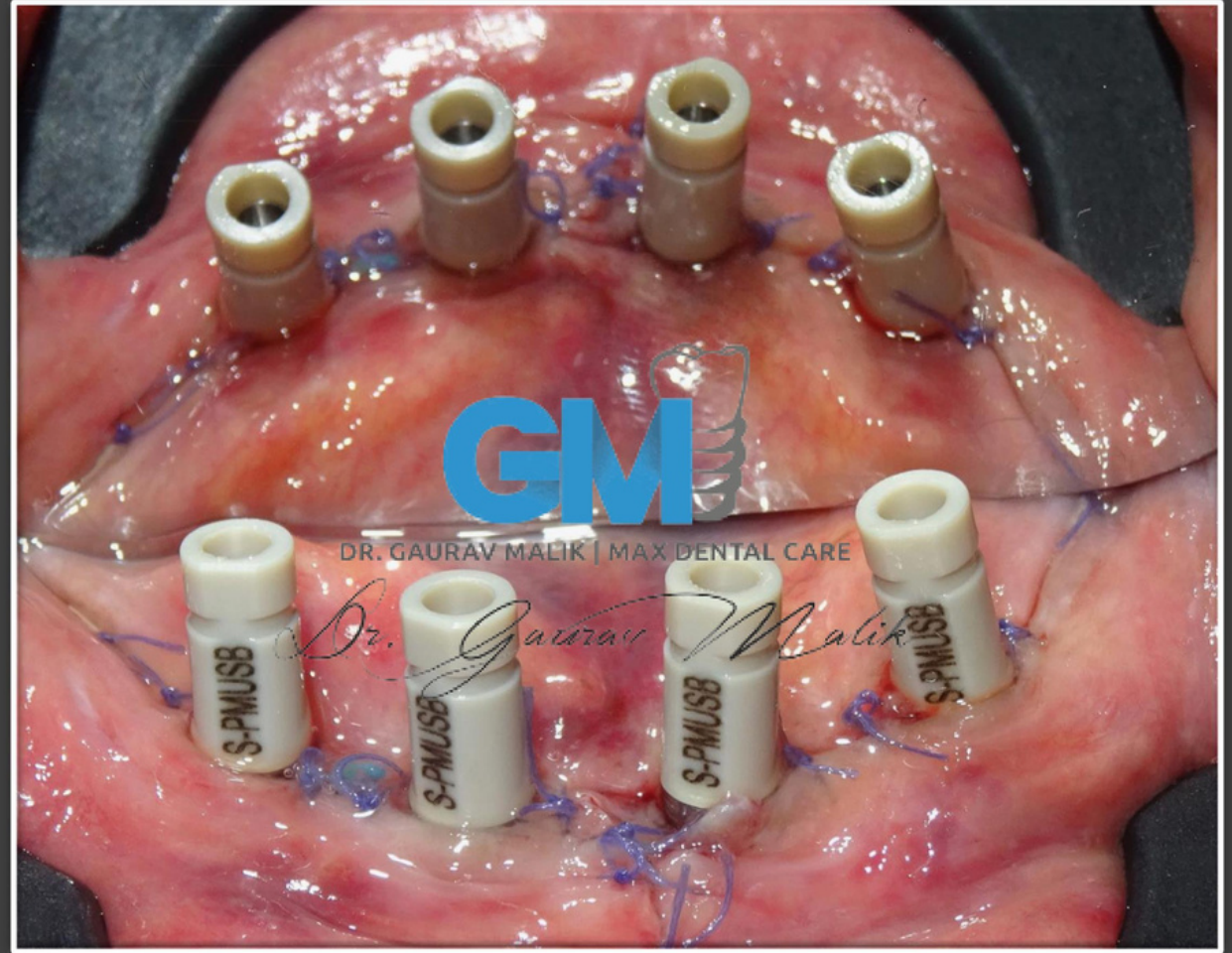
Bottom Bar: Lower Jaw | Upper Jaw | Buccal * | Scanbody Lower | Photo/Video | Scan *

SCAN BODY



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ANALOG SECONDARY IMPRESSION MADE



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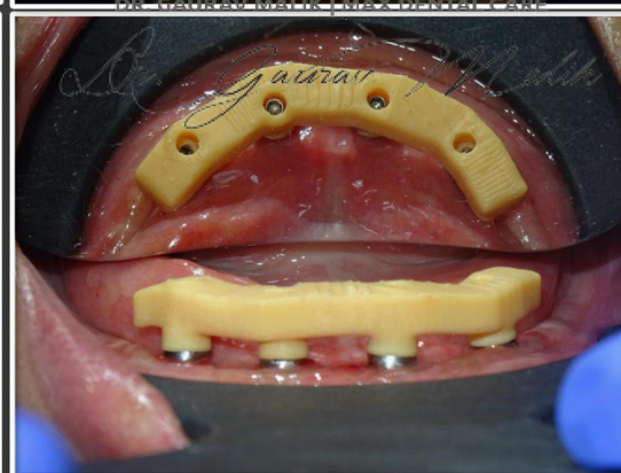
Dr. Gaurav Malik



PATIENTS OLD DENTURES



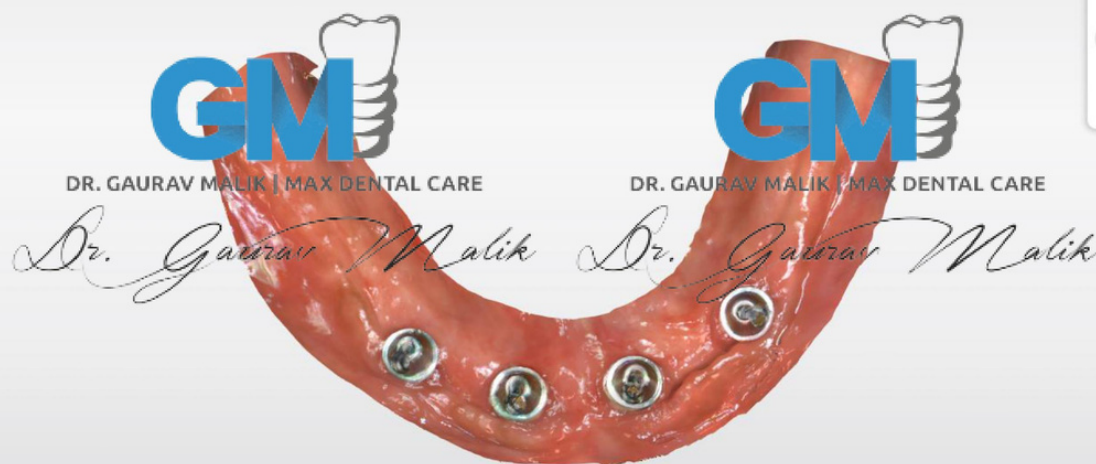
DIGITAL JIG/BITE



HEALINGS AFTER 5 DAYS, SUTURES WERE REMOVED



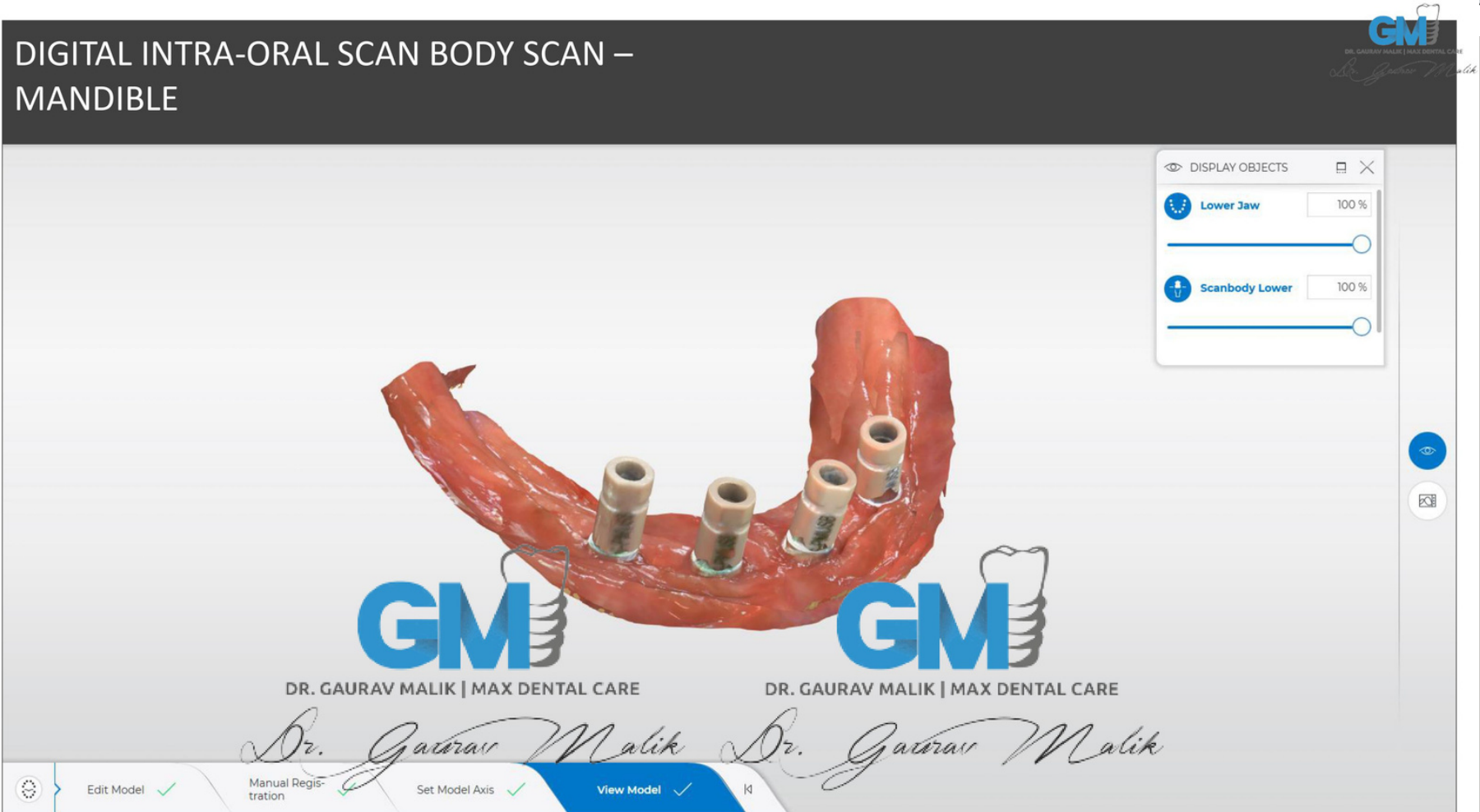
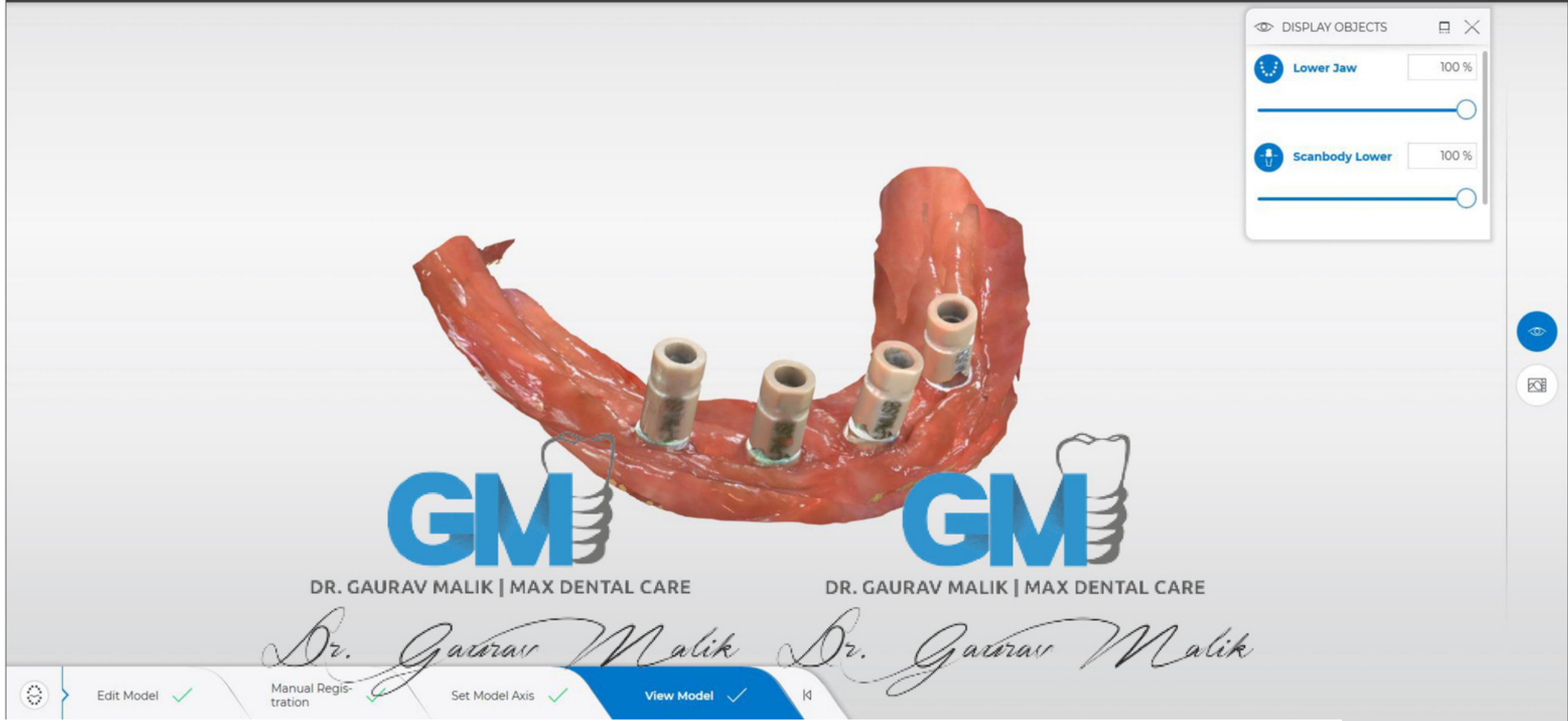
DIGITAL INTRA-ORAL SCAN - MANDIBLE



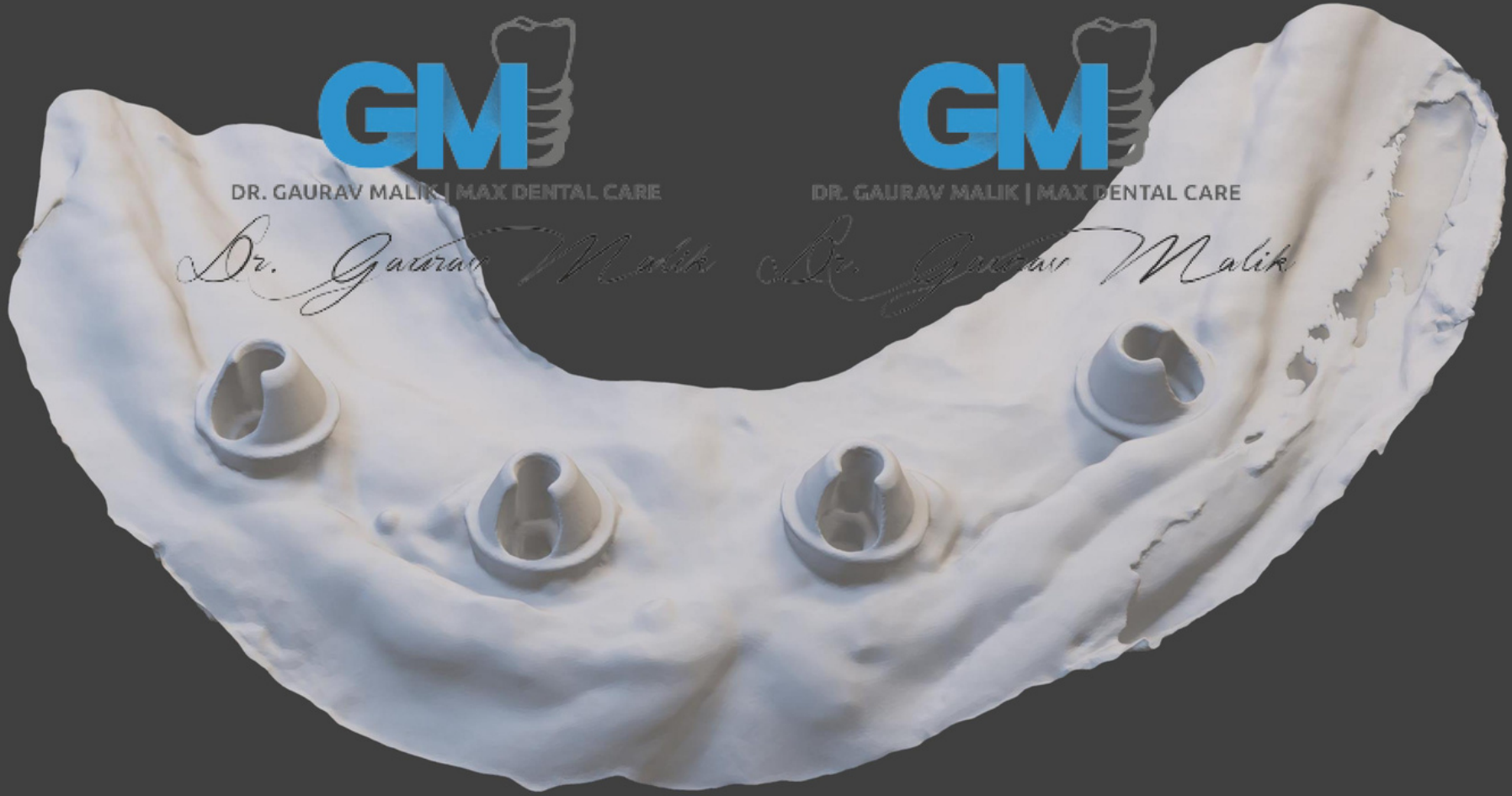
DISPLAY OBJECTS

- Lower Jaw 100 %
- Scanbody Lower 100 %
- Model Base

DIGITAL INTRA-ORAL SCAN BODY SCAN – MANDIBLE



MANDIBLE SCAN



MANDIBLE SCAN BODY SCAN



MAXILLA SCAN

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3D – PRINTED MODEL - MAXILLA



3D – PRINTED DENTURE/ DIGITAL TEETH SETTING - MAXILLA



3D – PRINTED PROSTHESIS TRIAL / TEETH SETTING TRIAL



3D – PRINTED PROSTHESIS TRIAL / TEETH SETTING TRIAL – INTRA ORAL



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



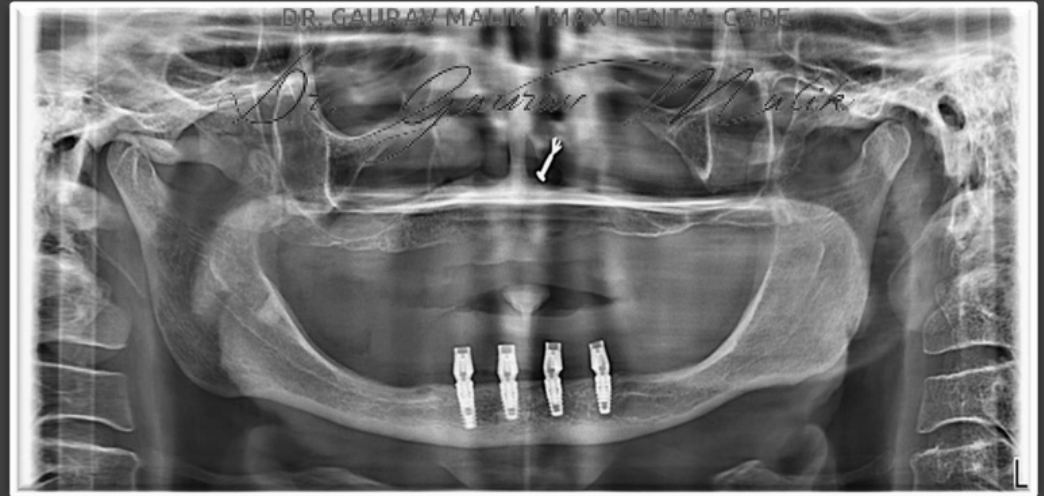
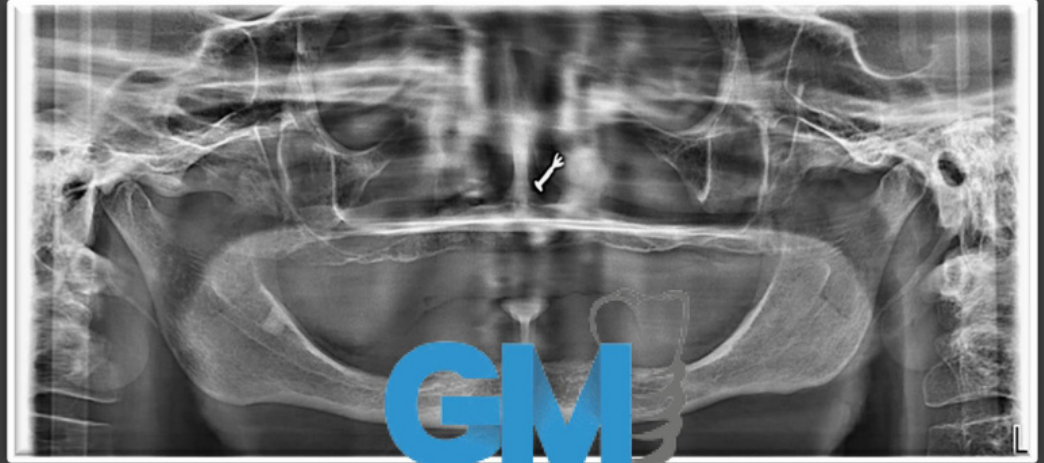
CAD-CAM/MILLED PROSTHESIS



CAD-CAM/MILLED PROSTHESIS



PRE AND POST OP



HAPPY PATIENT



Implantswiss Short Implant Case Study

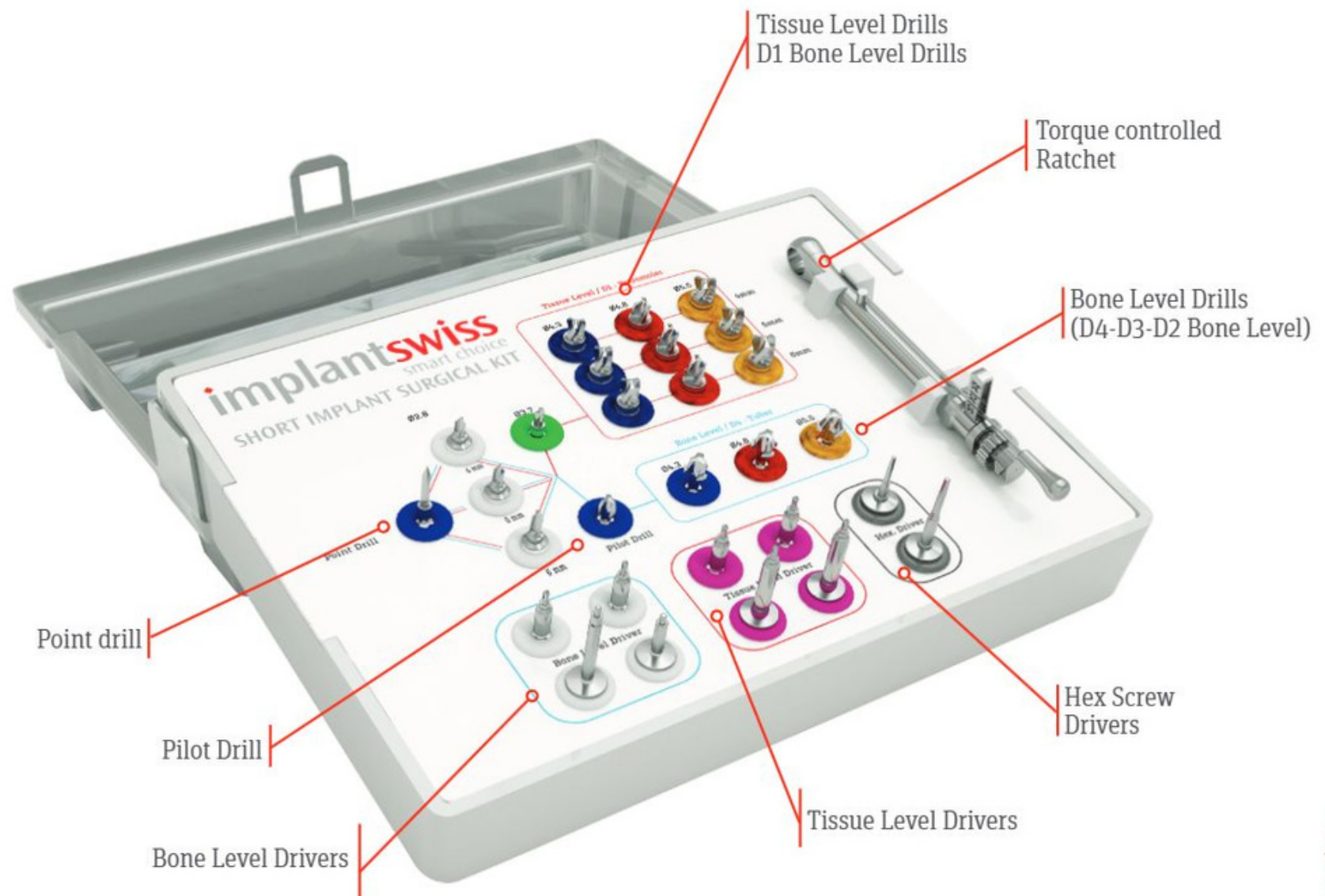


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SHORT IMPLANT SURGICAL KIT

The short surgical kit is recommended for both Bone and Tissue Level short implants.



Implant**swiss** - CASE STUDY

CASE STUDY BY - Dr Gaurav Gupta



Implant**swiss**
Short Implants

“

Short Implant - In cases where the bone height is lowest and upper jaw is insufficient, short implants can be alternative solutions

”



Short implant

In cases where the bone height is lower and upper jaw is insufficient, short implants can be alternative solution.



Mini
&
Short
Implants





Short implant

In cases where the bone height is lower and upper jaw is insufficient, short implants can be alternative solution.



Bone Level



Tissue Level



Short implant

In cases where the bone height is lower and upper jaw is insufficient, short implants can be alternative solution.



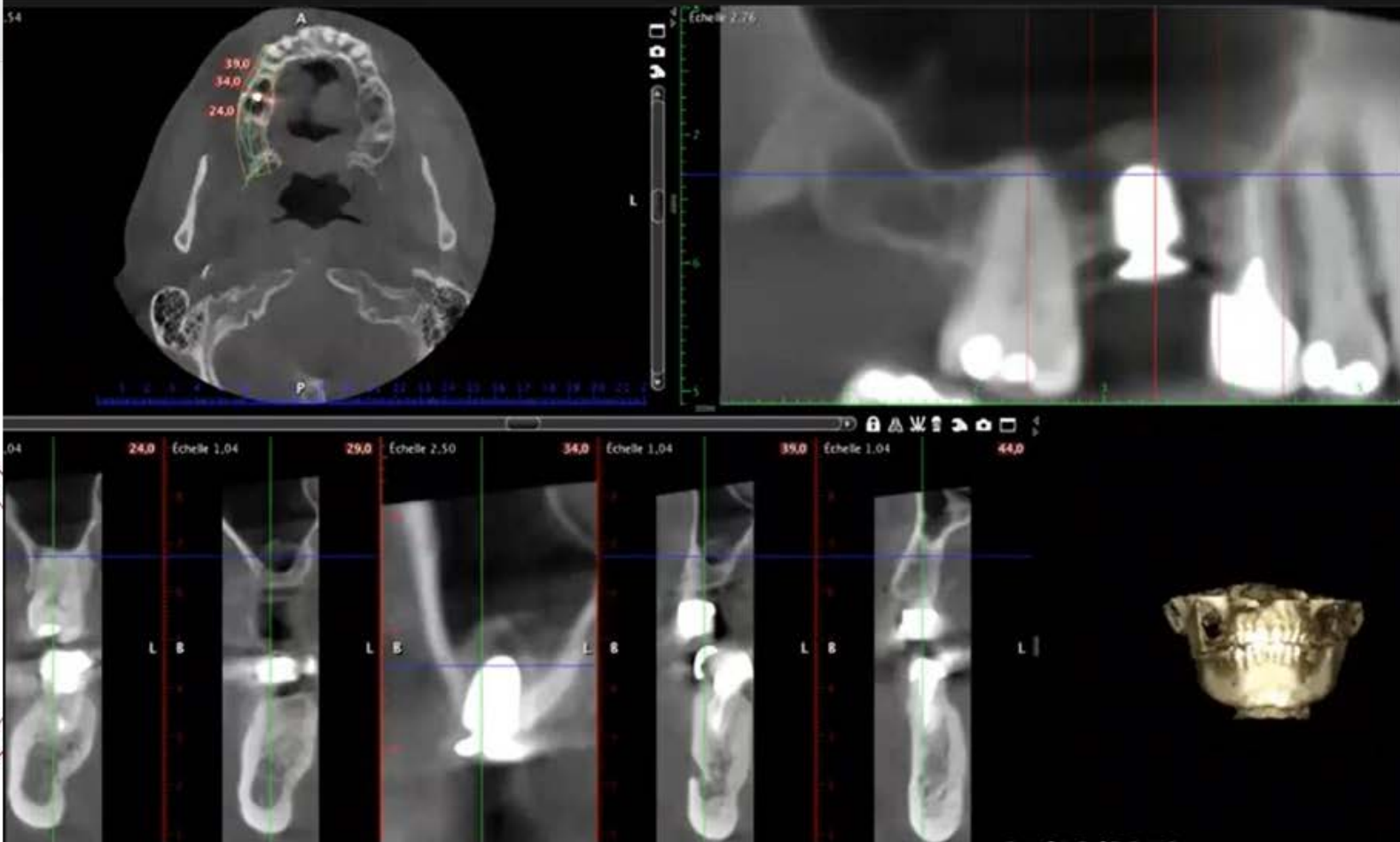
implantswiss
IMPLANT TECHNOLOGY

Short implant In cases where the bone height is lower and upper jaw is insufficient, short implants can be alternative solution.



Member SWISS MEDTECH

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SMART
DENTAL
implantswiss
IMPLANT TECHNOLOGY

**Short
implant** In cases where the bone
height is lower and upper jaw
is insufficient, short implants
can be alternative solution.



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Implant**swiss** - CASE STUDY

CASE STUDY BY - Dr Gaurav Malik



Implant**swiss**
Short Implants

“

Short Implant - In cases where the bone height is lowest and upper jaw is insufficient, short implants can be alternative solutions

”



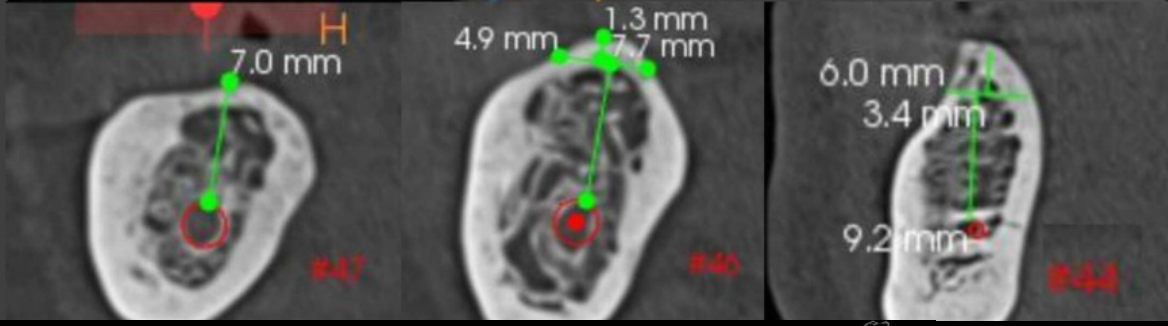
PRE-OP PICTURES



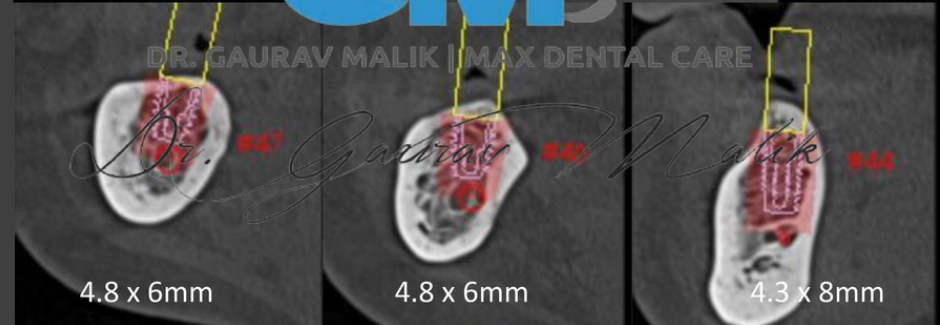
PRE-OP OPG
SEVERELY RESORBED RIDGE



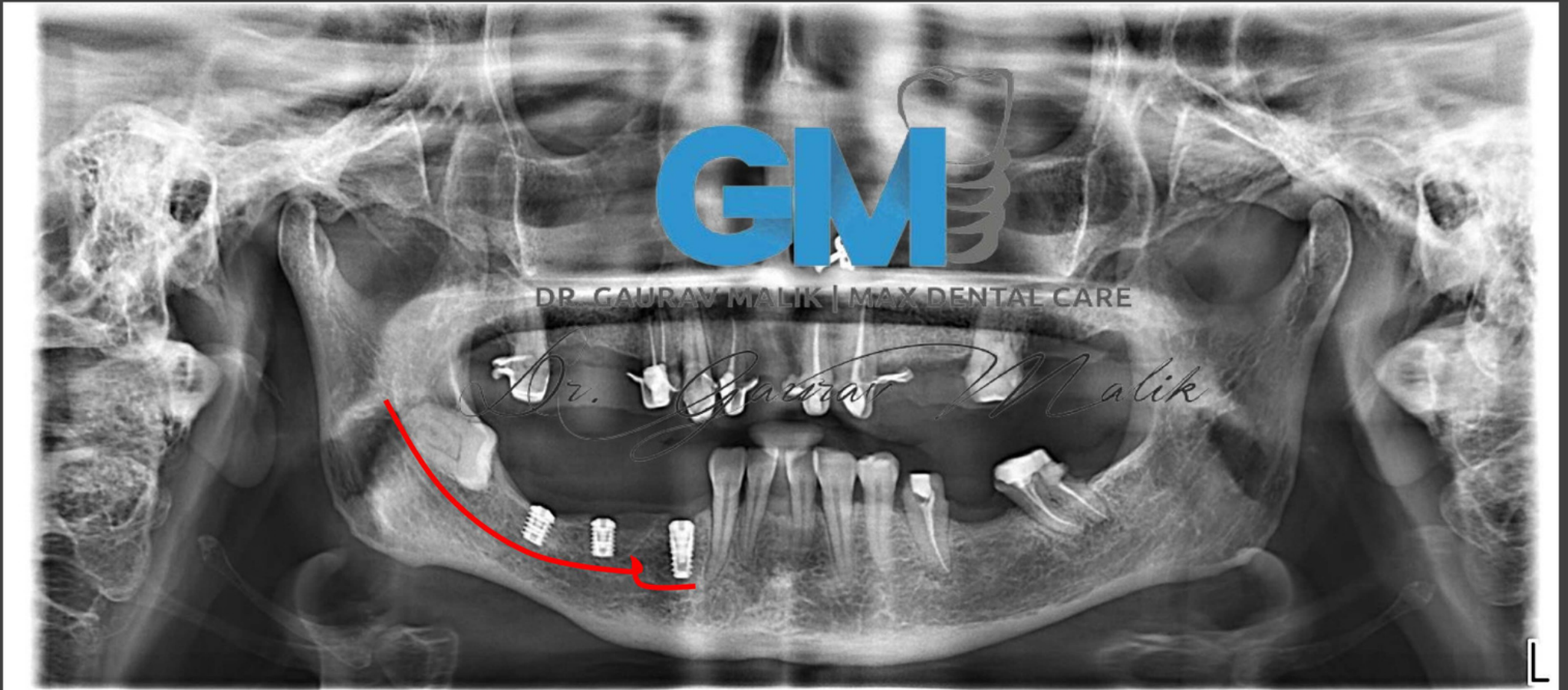
IMPLANT PLANNING



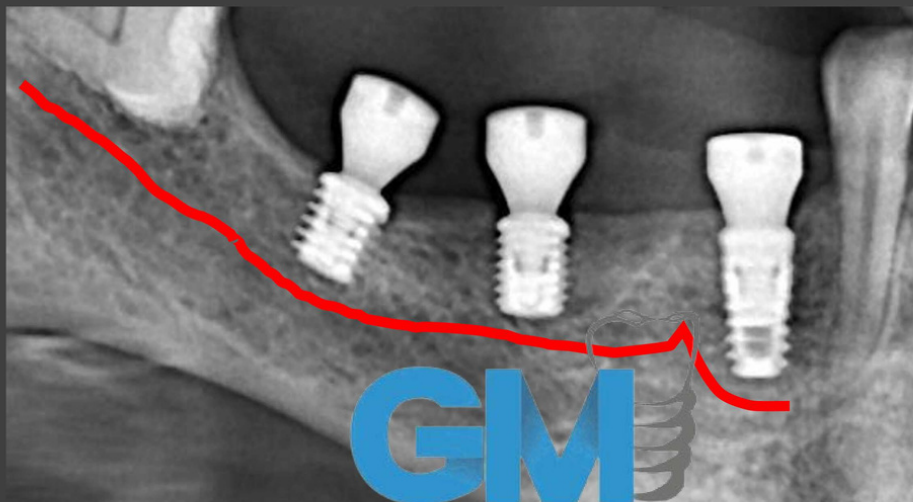
IMPLANT PLANNING



POST IMPLANT SURGERY



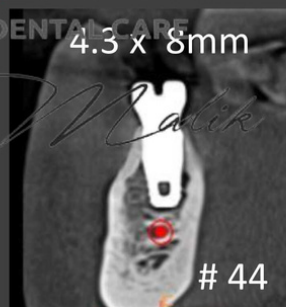
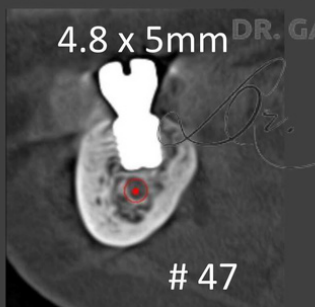
POST HEALING CAP CBCT



4.8 x 5mm

4.8 x 5mm

4.3 x 8mm



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Dr. Gaurav Malik

MAXILLARY PROSTHESIS



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Dr. Gaurav Malik

MAXILLARY/MANDIBULAR PROSTHESIS



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Dr. Gaurav Malik

POST-OP INTRA-ORAL



POST-OP INTRA-ORAL



POST SECOND STAGE/ HEALING



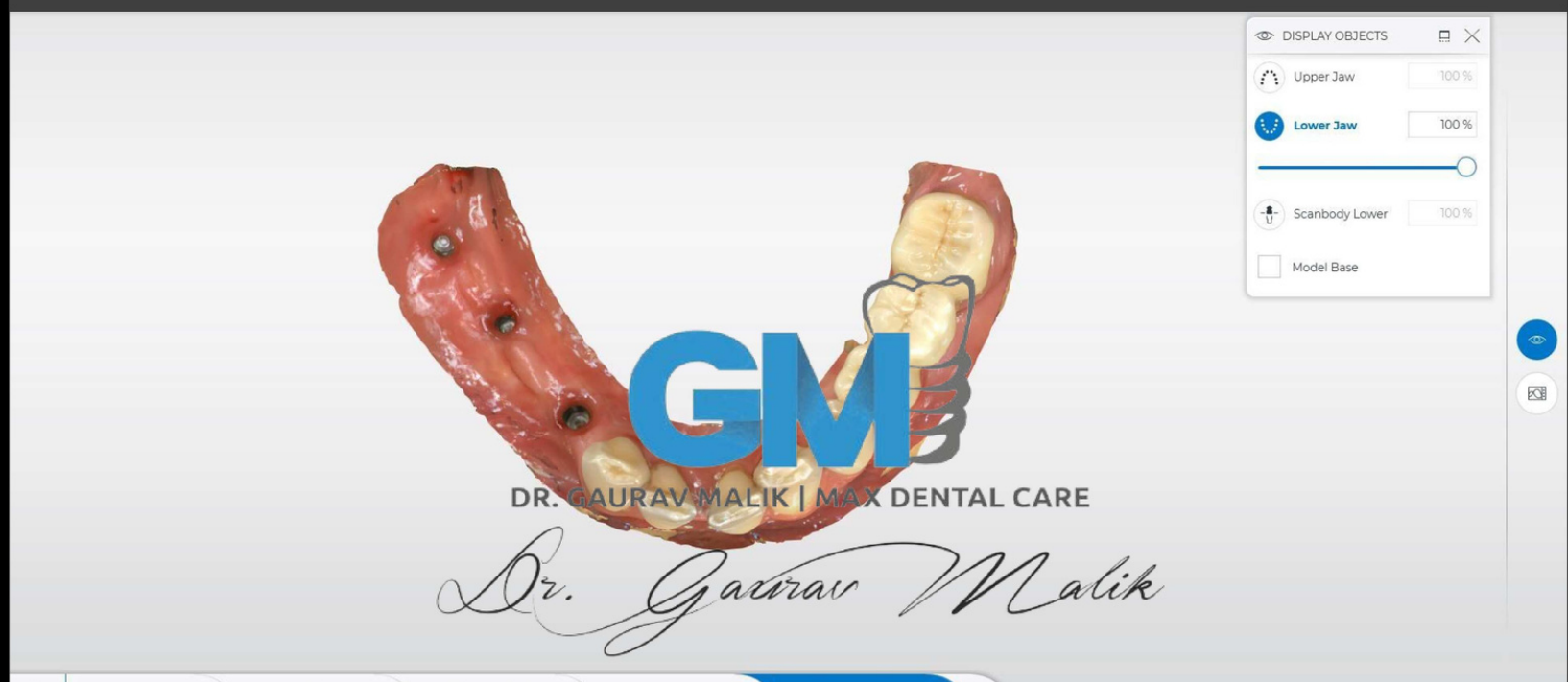
POST HEALING CAP OPG



POST HEALING



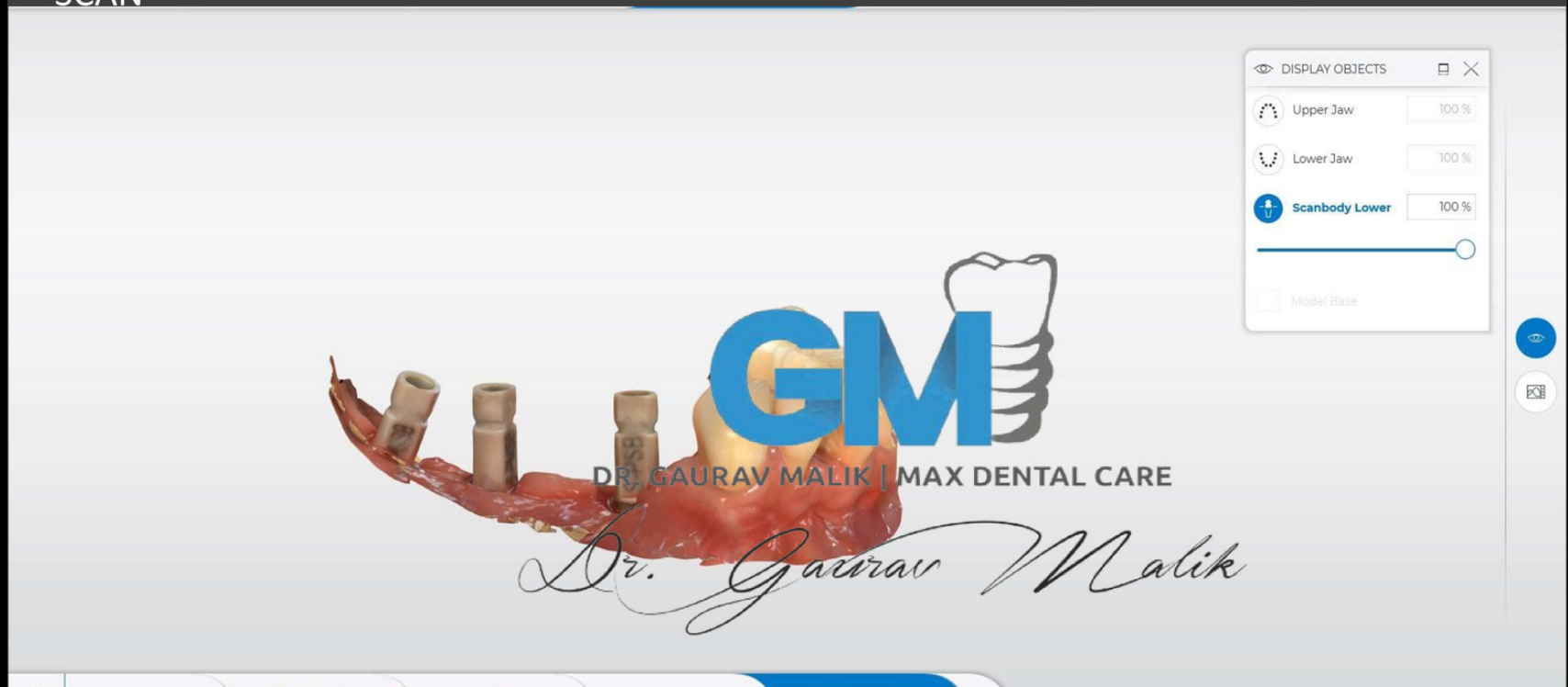
INTRA-ORAL TISSUE LEVEL SCAN - MANDIBLE



SCAN BODY PLACED



SCAN BODY INTRAORAL SCAN



SCAN BODY INTRAORAL SCAN



DISPLAY OBJECTS

<input checked="" type="checkbox"/>	Upper Jaw	100 %
<input checked="" type="checkbox"/>	Lower Jaw	100 %
<input checked="" type="checkbox"/>	Scanbody Lower	100 %
<input type="checkbox"/>	Model Base	

Model Base



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SCAN BODY INTRAORAL SCAN



DISPLAY OBJECTS

<input checked="" type="checkbox"/>	Upper Jaw	100 %
<input checked="" type="checkbox"/>	Lower Jaw	100 %
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<input type="checkbox"/>	Model Base	

Model Base



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DIGITAL ARTICULATION

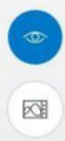


DISPLAY OBJECTS

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<input checked="" type="checkbox"/>	Lower Jaw	100 %
<input checked="" type="checkbox"/>	Scanbody Lower	100 %

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Dr. Gaurav Malik



DIGITAL SCAN - MANDIBLE

GM

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DIGITAL SCANBODY SCAN - MANDIBLE

GM

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Dr. Gaurav Malik



DIGITAL SCAN - MAXILLA



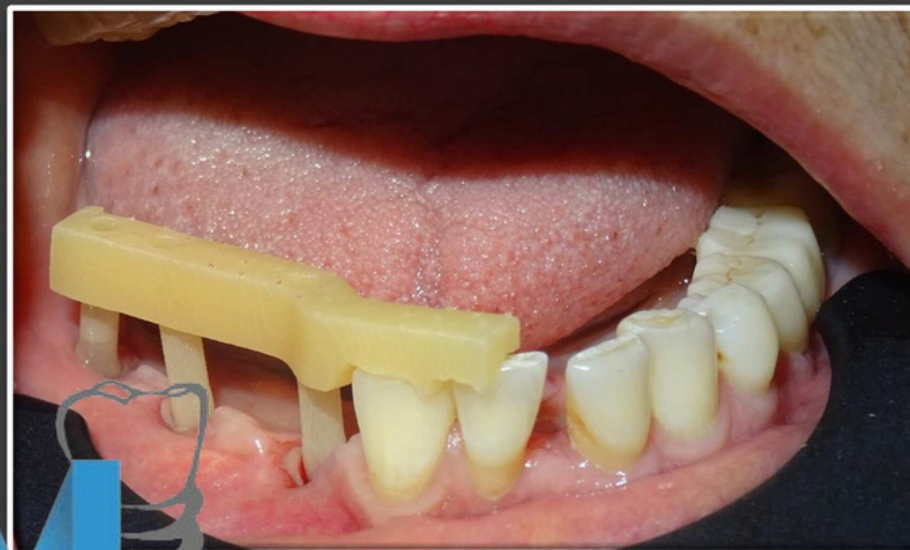
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3D – PRINTED MODELS AND DIGITALLY 3D PRINTED JIG



INTRA-ORAL DIGITALLY 3D PRINTED JIG TRIAL



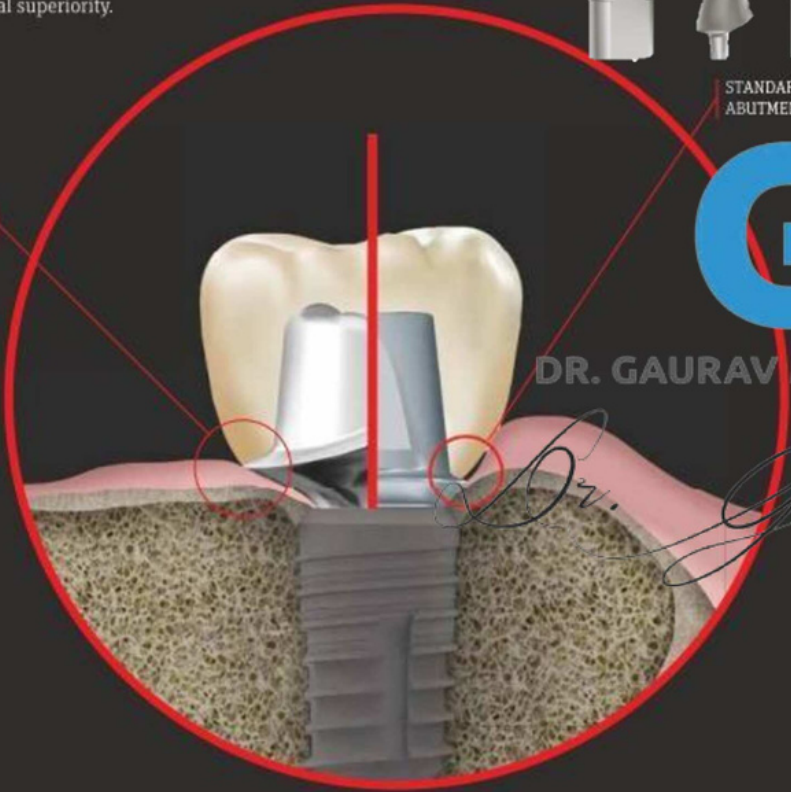
3D – PLANNING

- Perfect fit between implant-abutment-gum.
- Solving problems regarding angle, location and anatomy.
- An ideal gum and neck line.
- A broad range of material options.
- Price advantage.
- Aesthetical superiority.



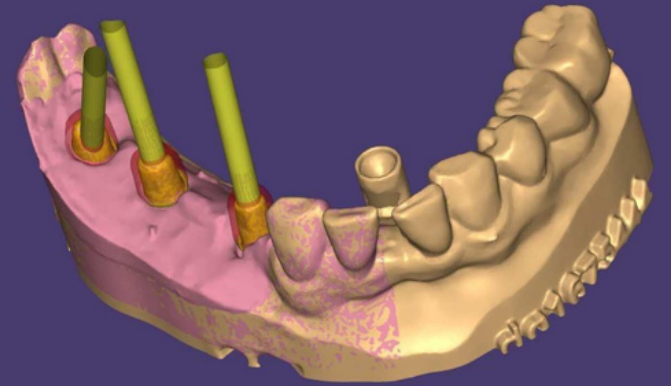
CUSTOM ABUTMENT

STANDARD ABUTMENT

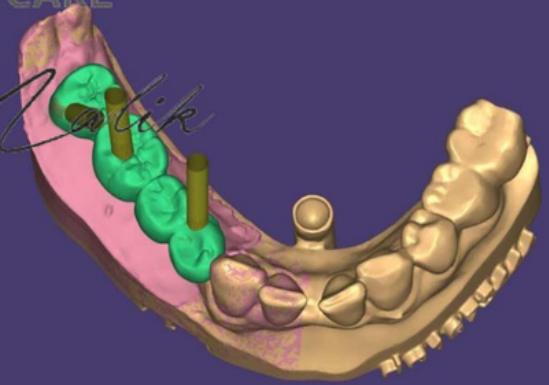
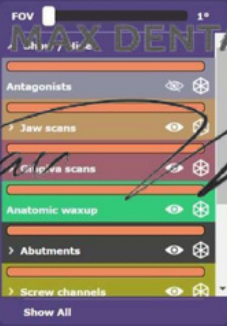


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Dr. Gaurav Malik



ex



3D – PLANNING



3D – PRINTED MODEL WITH PRE-MILL ABUTMENTS AND PROSTHESIS



3D – PRINTED MODEL WITH PROSTHESIS



3D – PRINTED MODEL WITH PROSTHESIS



CAD-CAM PROSTHESIS



FINAL PROSTHESIS



FINAL PROSTHESIS



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PRE AND POST-OP



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Dr. Gaurav Malik

Case

ODONTOGENIC KERATOCYST

Mandible
36 year old male

PRE-OP INTRA-ORAL PICTURES



DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik

PRE-OP OPG



POST SURGICAL REMOVAL OF LESION OPG



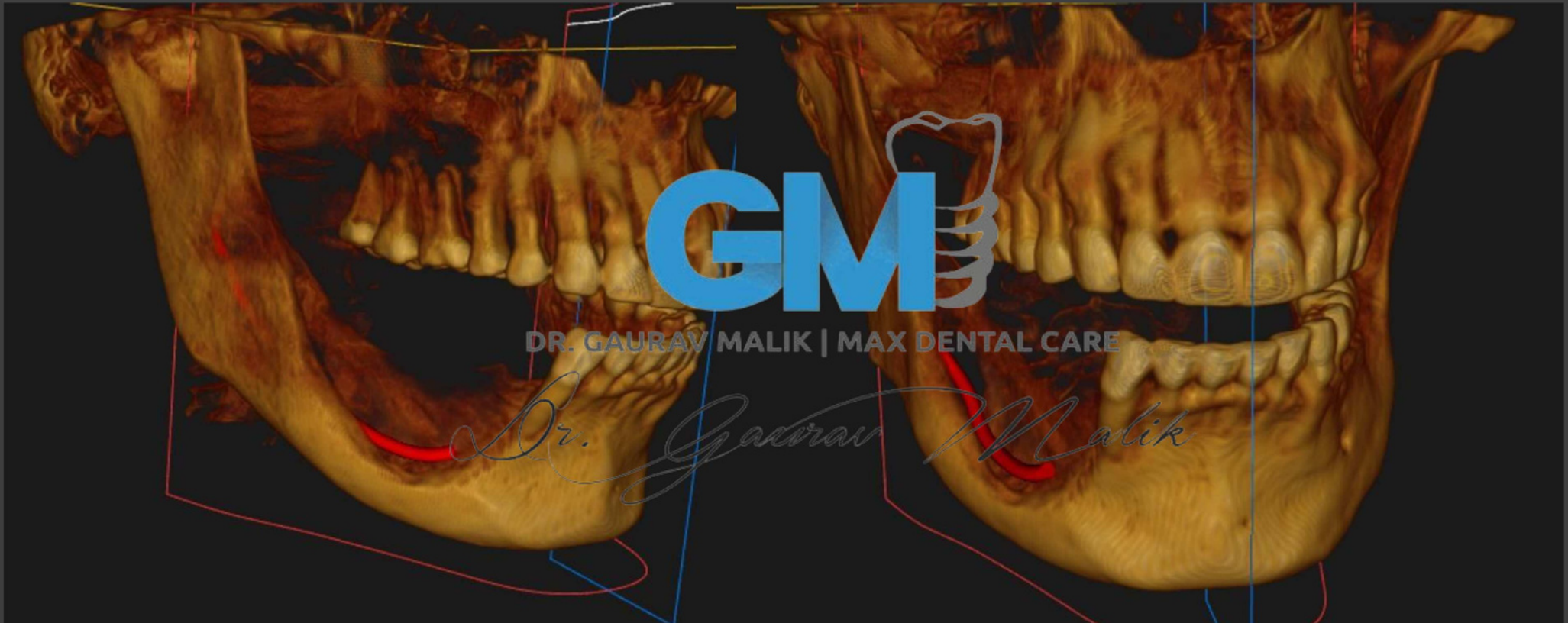
POST HEALING PHASE (approx. 1 year)



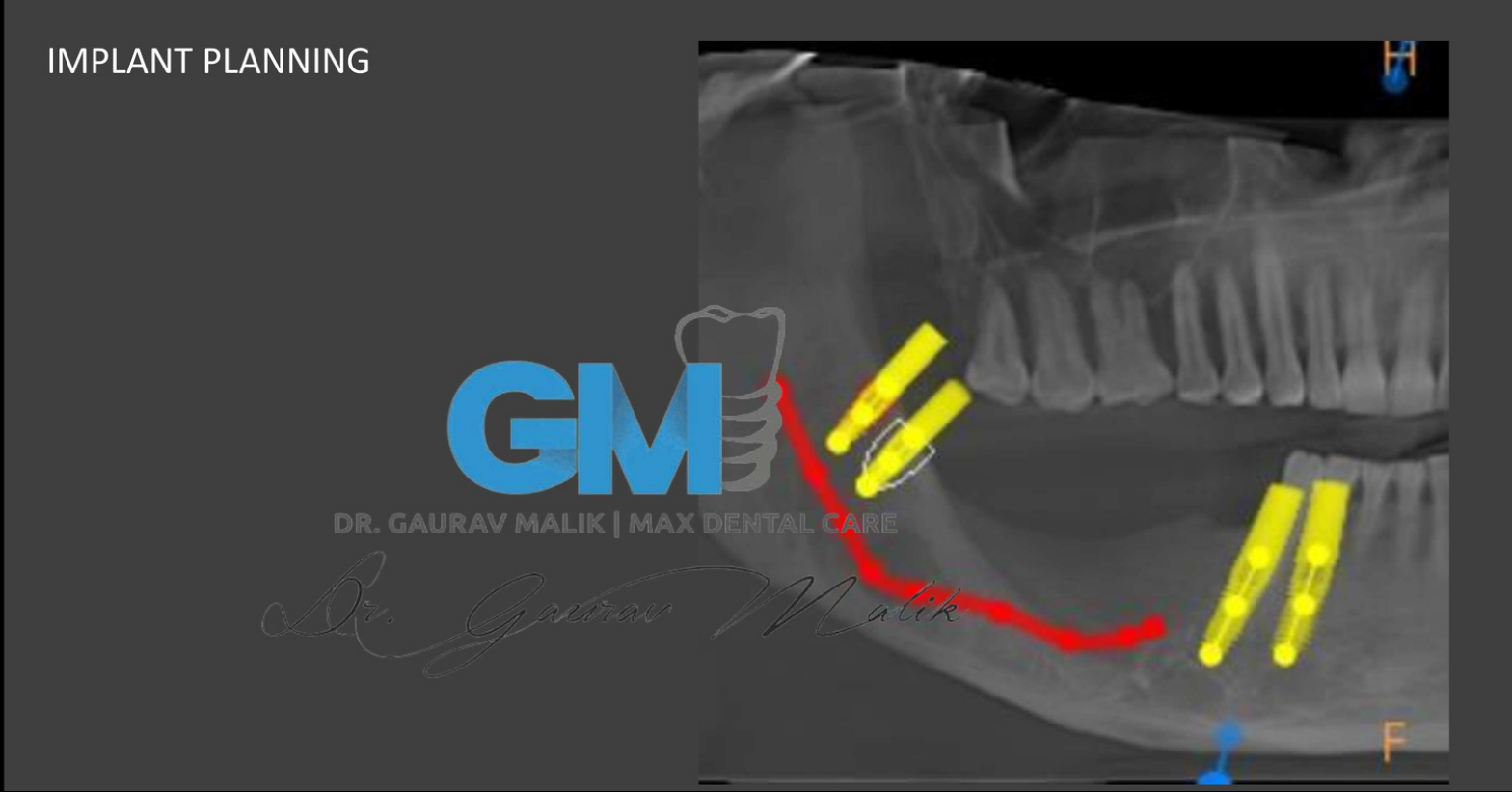
POST HEALING PHASE



NERVE LYING OPEN IN DEFECT AREA



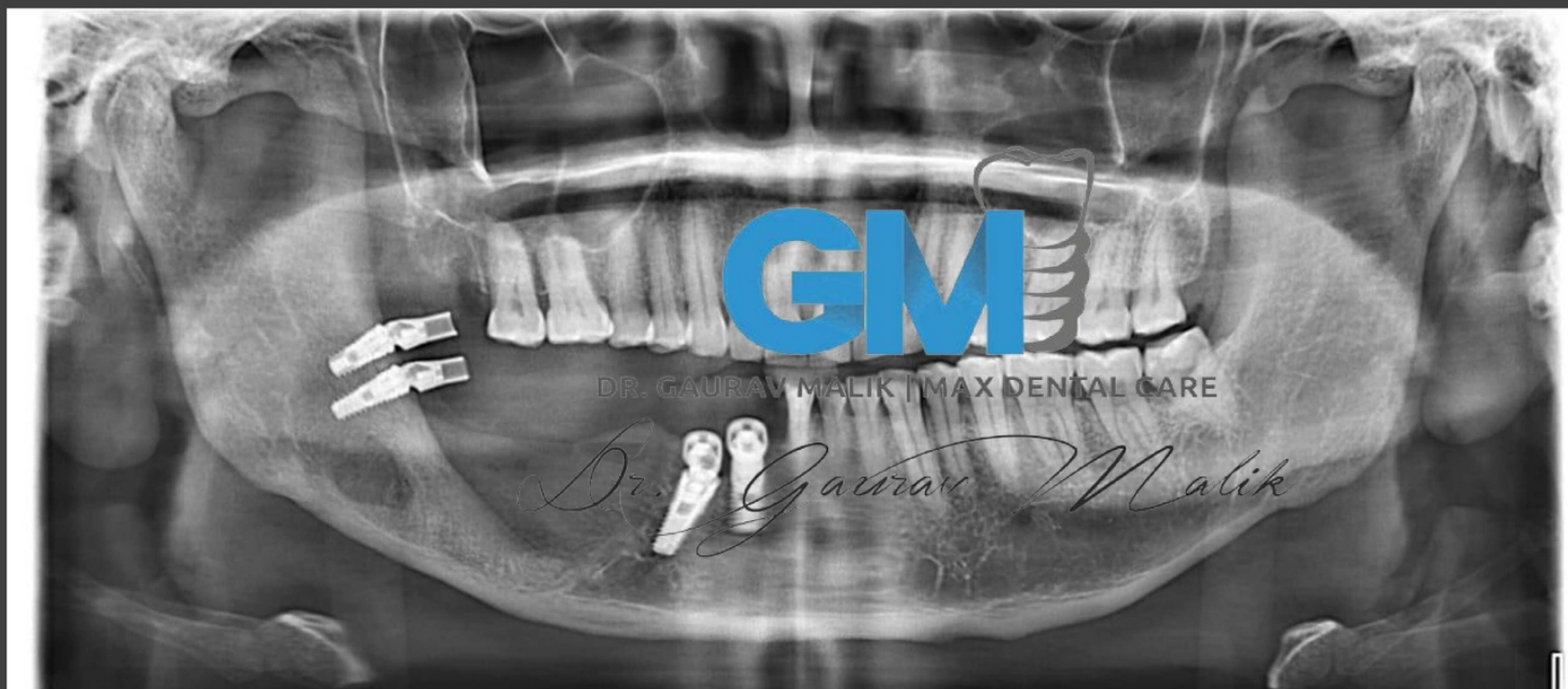
IMPLANT PLANNING



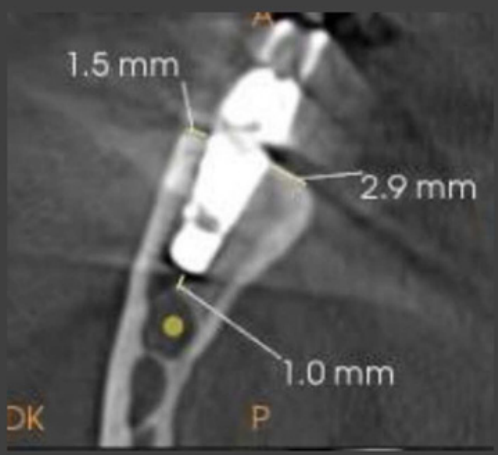
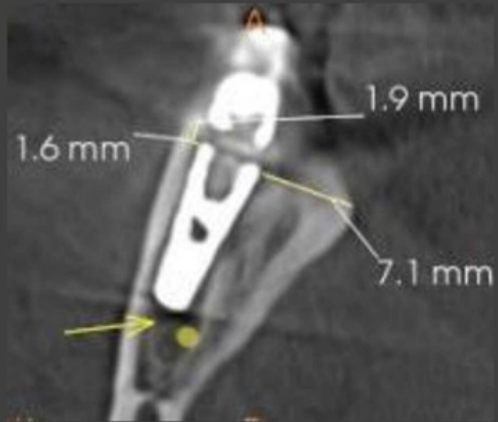
IMPLANT PLANING 3D



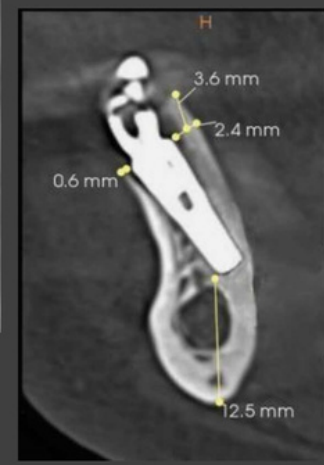
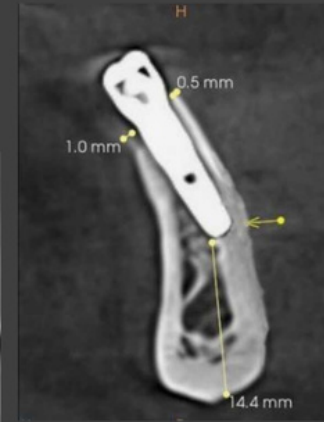
POST IMPLANT PLACEMENT



IMPLANTS PLACED SUCCESSFULLY IN RETROMOLAR REGION



POST IMPLANT CBCT



Dr. Gaurav Malik

DIGITAL INTRA-ORAL SCAN - MAXILLA



DISPLAY OBJECTS

<input checked="" type="checkbox"/>	Upper Jaw	100 %
<input type="checkbox"/>	Lower Jaw	100 %
<input checked="" type="checkbox"/>	Scanbody Lower	100 %
<input type="checkbox"/>	Model Base	

Edit Model ✓

Manual Registration ✓

Buccal Bite Registration ✓

Set Model Axis ✓

View Model ✓

DIGITAL INTRA-ORAL SCAN - MANDIBLE



DISPLAY OBJECTS

<input type="checkbox"/>	Upper Jaw	100 %
<input checked="" type="checkbox"/>	Lower Jaw	100 %
<input checked="" type="checkbox"/>	Scanbody Lower	100 %
<input type="checkbox"/>	Model Base	

Edit Model ✓

Manual Registration ✓

Buccal Bite Registration ✓

Set Model Axis ✓

View Model ✓

DIGITAL INTRA-ORAL SCAN BODY SCAN - MANDIBLE



Dr. Gaurav Malik

DISPLAY OBJECTS

	Upper Jaw	100 %
	Lower Jaw	100 %
	Scanbody Lower	100 %
	Model Base	

Progress bar for Scanbody Lower: 100%

Edit Model ✓

Manual Registration ✓

Buccal Bite Registration ✓

Set Model Axis ✓

View Model ✓

K

DIGITAL INTRA-ORAL SCAN – MERGING GINGIVAL AND SCAN BODY SCAN



DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik

Edit Model ✓ Manual Registration ✓ Buccal Bite Registration ✓ Set Model Axis ✓ View Model ✓



DIGITAL SCAN - MAXILLA



DIGITAL SCAN - MANDIBLE



DIGITAL SCAN – SCAN BODY



3D – PRINTED MODEL



3D – PRINTED MODELS



TELESCOPIC MILLED SCREW RETAINED ATTACHMENT

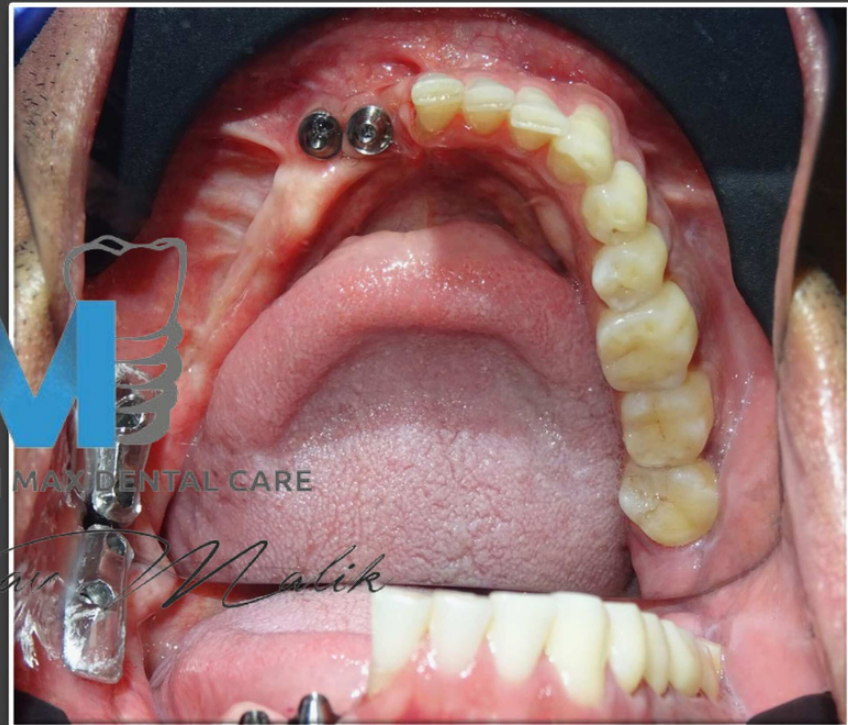


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ATTACHMENT



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Dr. Gaurav Malik

DIGITAL JIG TRIAL/
FRAMEWORK TRIAL/
PMMA TRIAL



DIGITAL JIG/
FRAMEWORK/
PMMA TRIAL



INTRA-ORAL DIGITAL JIG TRIAL/ FRAMEWORK TRIAL/ PMMA TRIAL



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CAD-CAM TITANIUM FRAMEWORK



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CUSTOM SCREW



CAD-CAM TITANIUM FRAMEWORK





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INTRA-ORAL CAD-CAM TITANIUM FRAMEWORK TRIAL

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BISQUE TRIAL/ PRE GLAZE TRIAL

CAD-CAM MILLED TITANIUM FRAMEWORK WITH ZIRCONIA CROWNS AND VISIO.LIGN(GINGIVA)



INTRA-ORAL BISQUE TRIAL/ PRE GLAZE TRIAL

CAD-CAM MILLED TITANIUM FRAMEWORK WITH ZIRCONIA CROWNS AND VISIO.LIGN(GINGIVA)



DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik

GM

DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik

FINAL PROSTHESIS



DR. GAURAV MALIK | MAX DENTAL CARE

Dr. Gaurav Malik

Max

Max

Max

FINAL PROSTHESIS



FINAL PROSTHESIS



FINAL PROSTHESIS



FINAL PROSTHESIS



CUSTOM
SCREW

FINAL PROSTHESIS

CUSTOM
SCREW



FINAL PROSTHESIS



POST-OP OPG



PRE-OP AND POST-OP OPG'S



GM

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Dr. Gaurav Malik



GM
DR. GAURAV MALIK | MAX DENTAL CARE
Dr. Gaurav Malik

