

# Caso Clínico

## PPF Zirconia







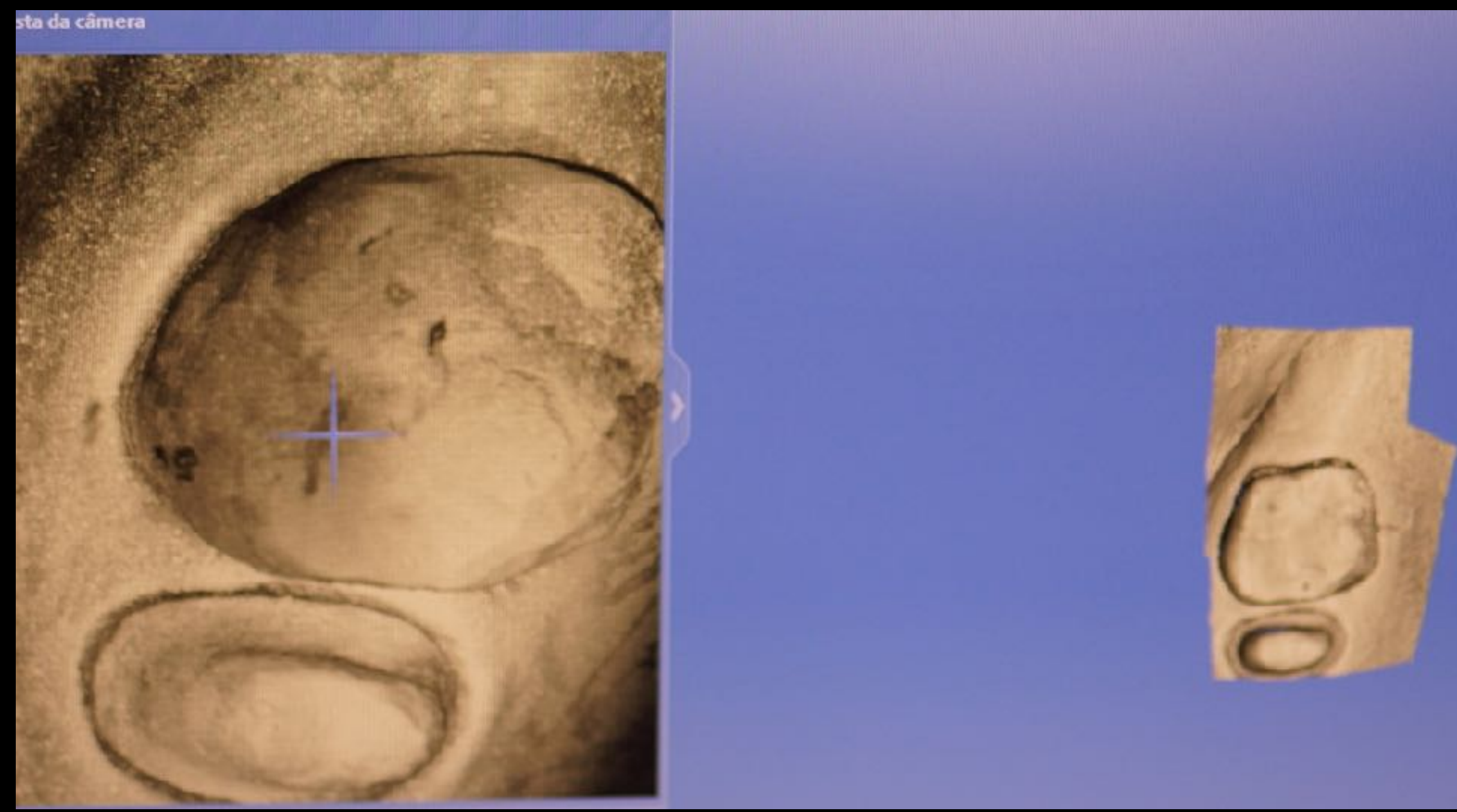










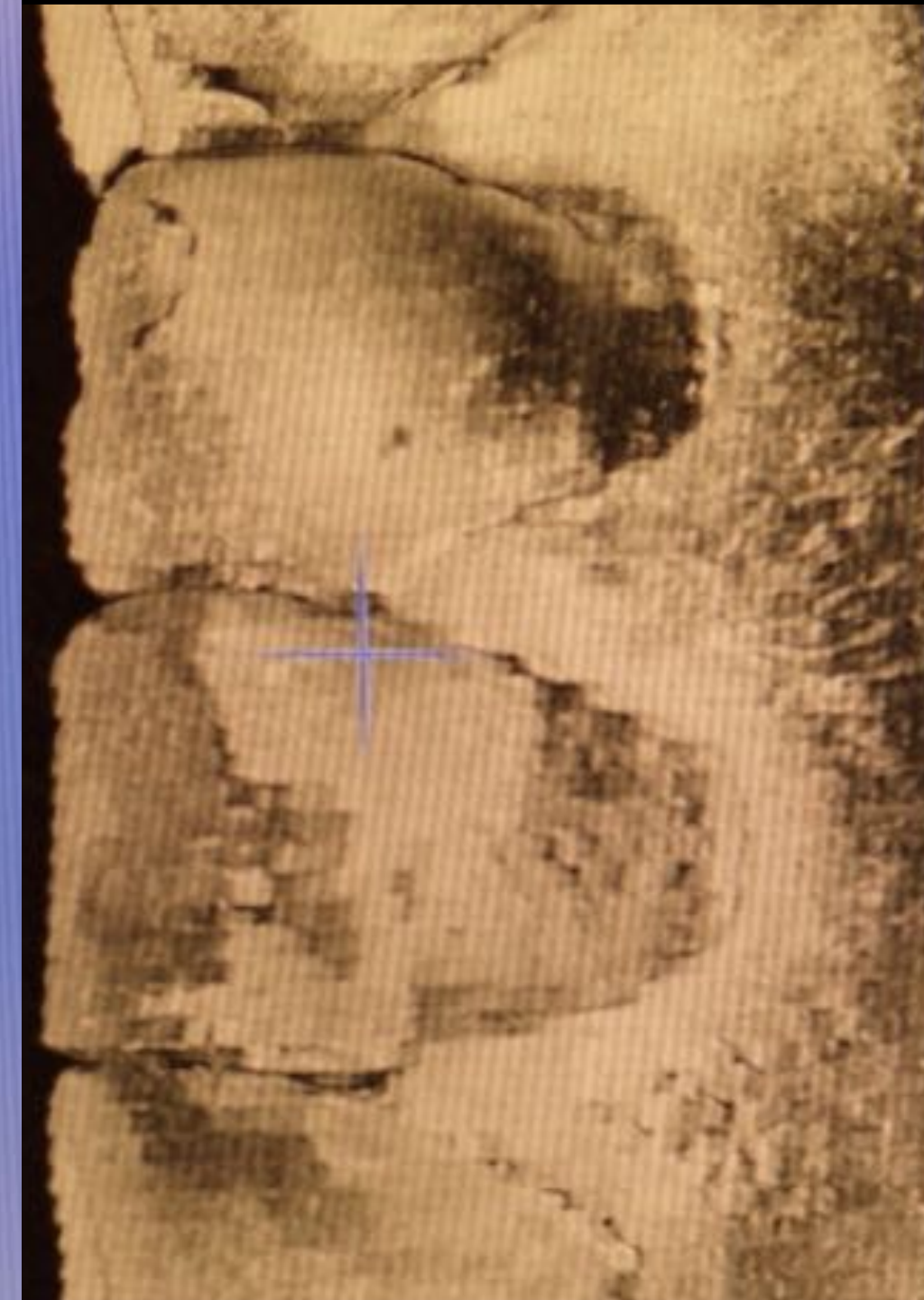




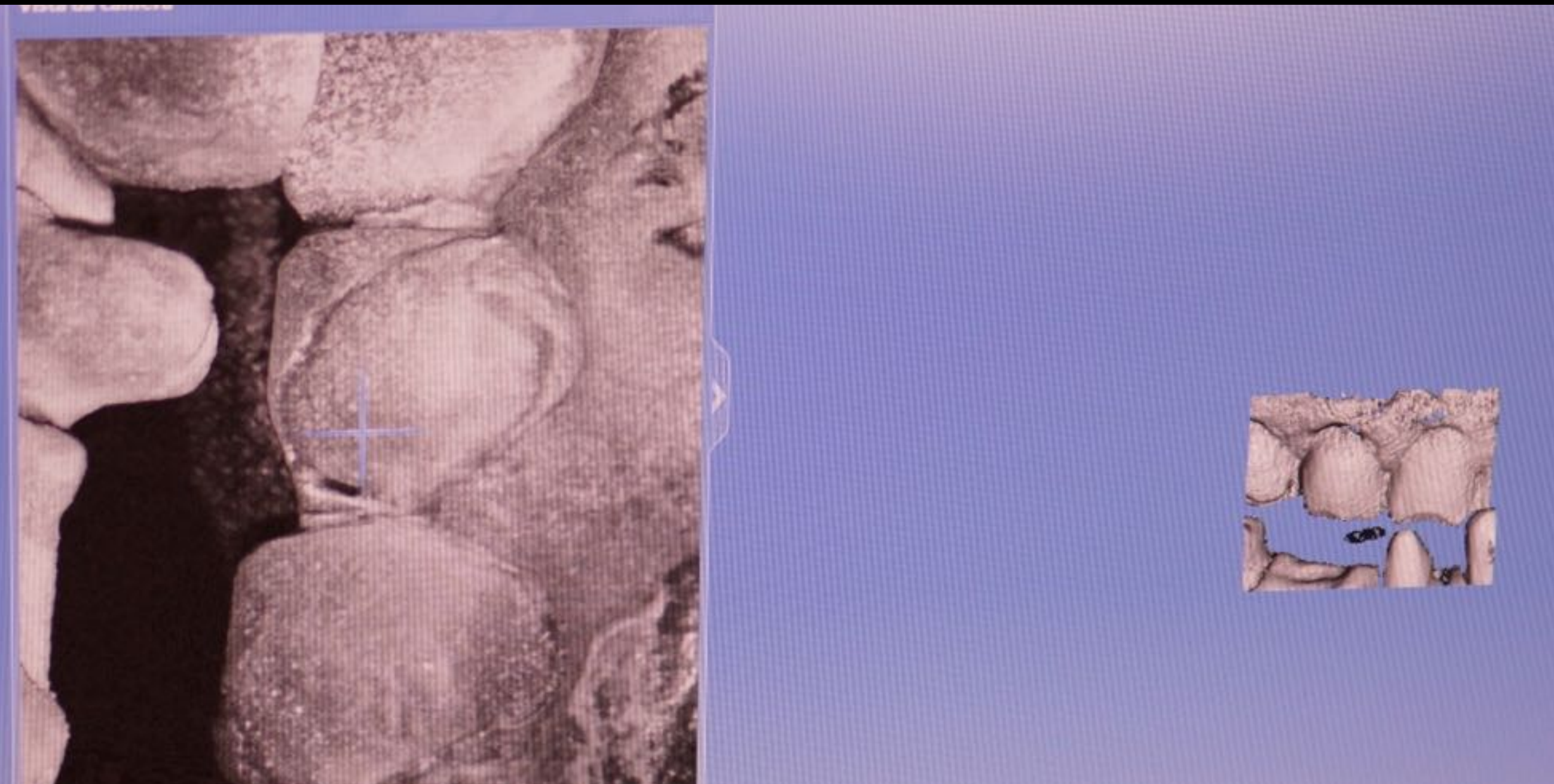




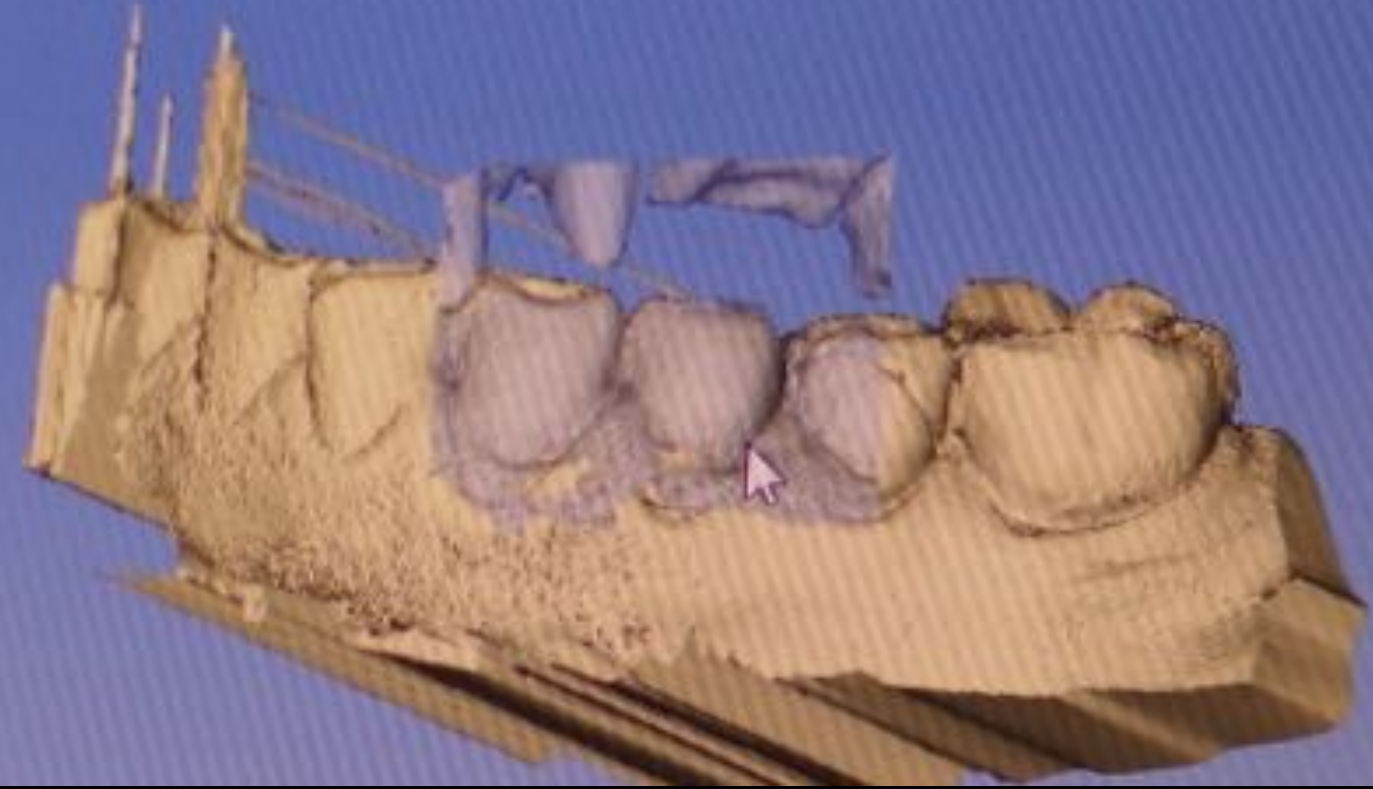
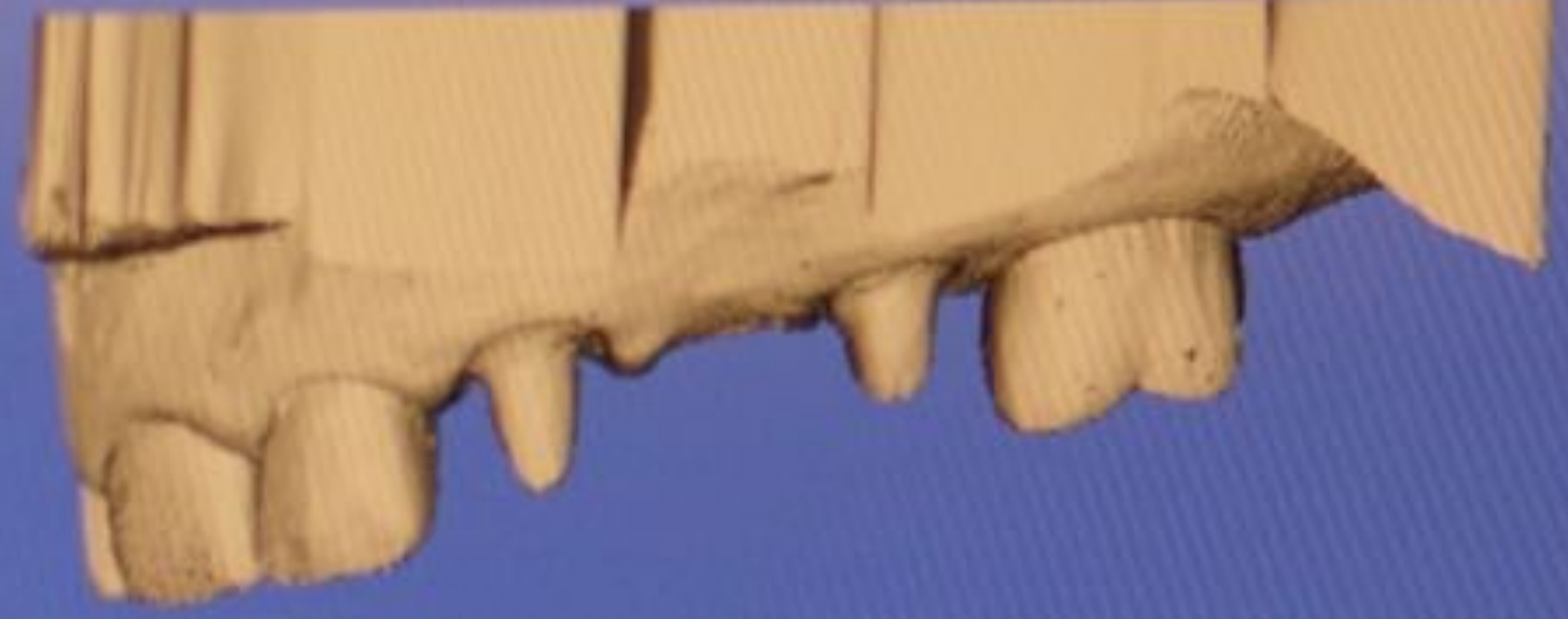
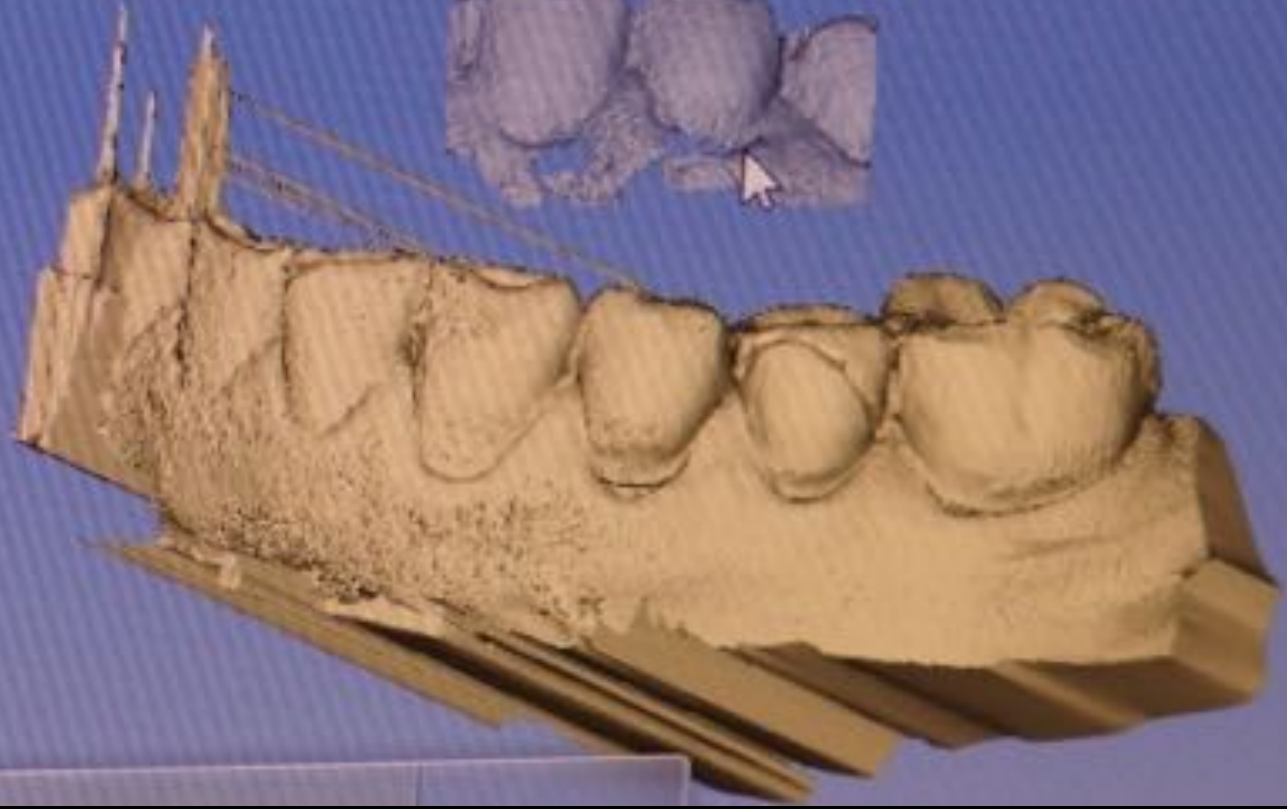
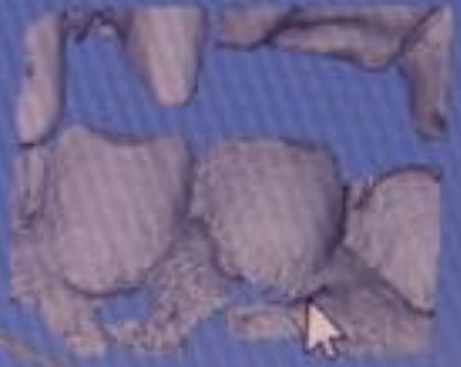
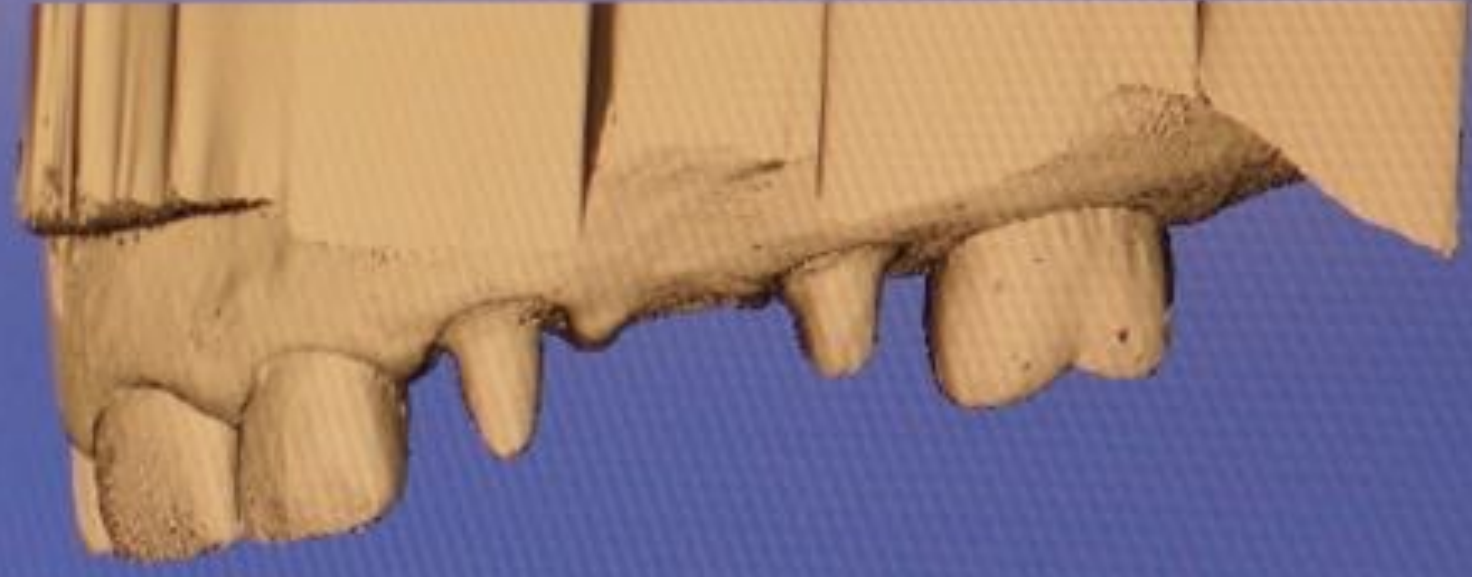
Vista da câmera



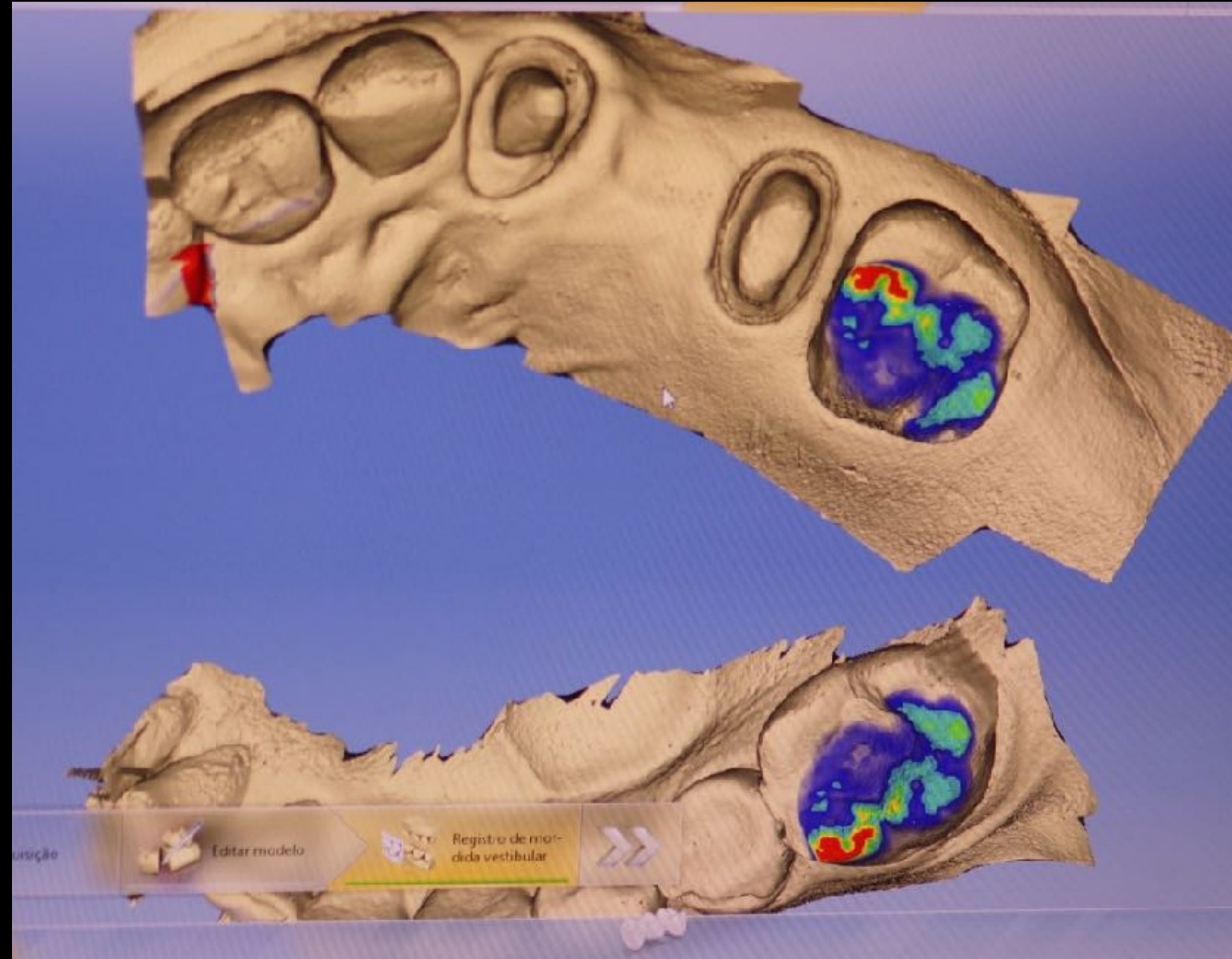
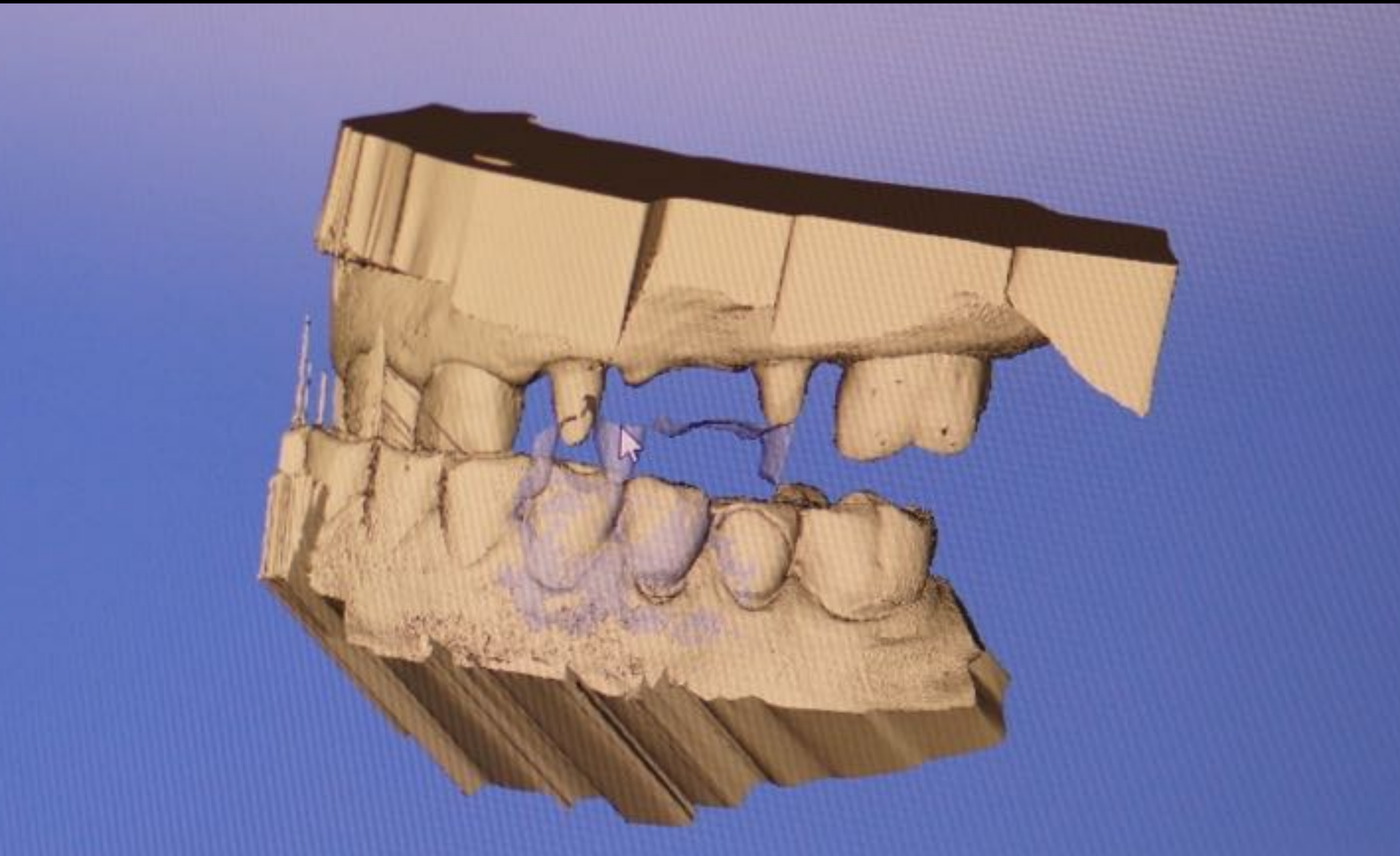




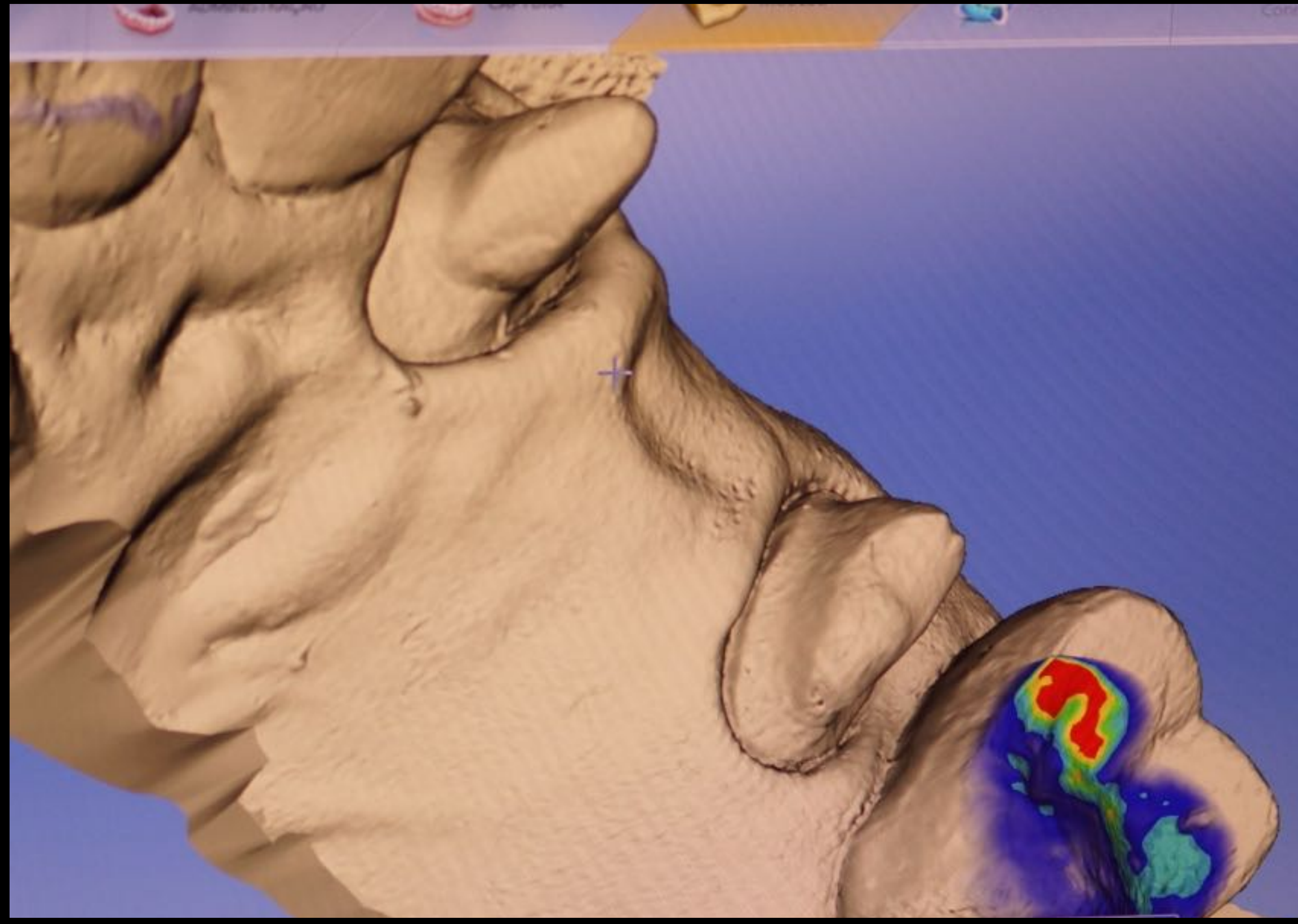
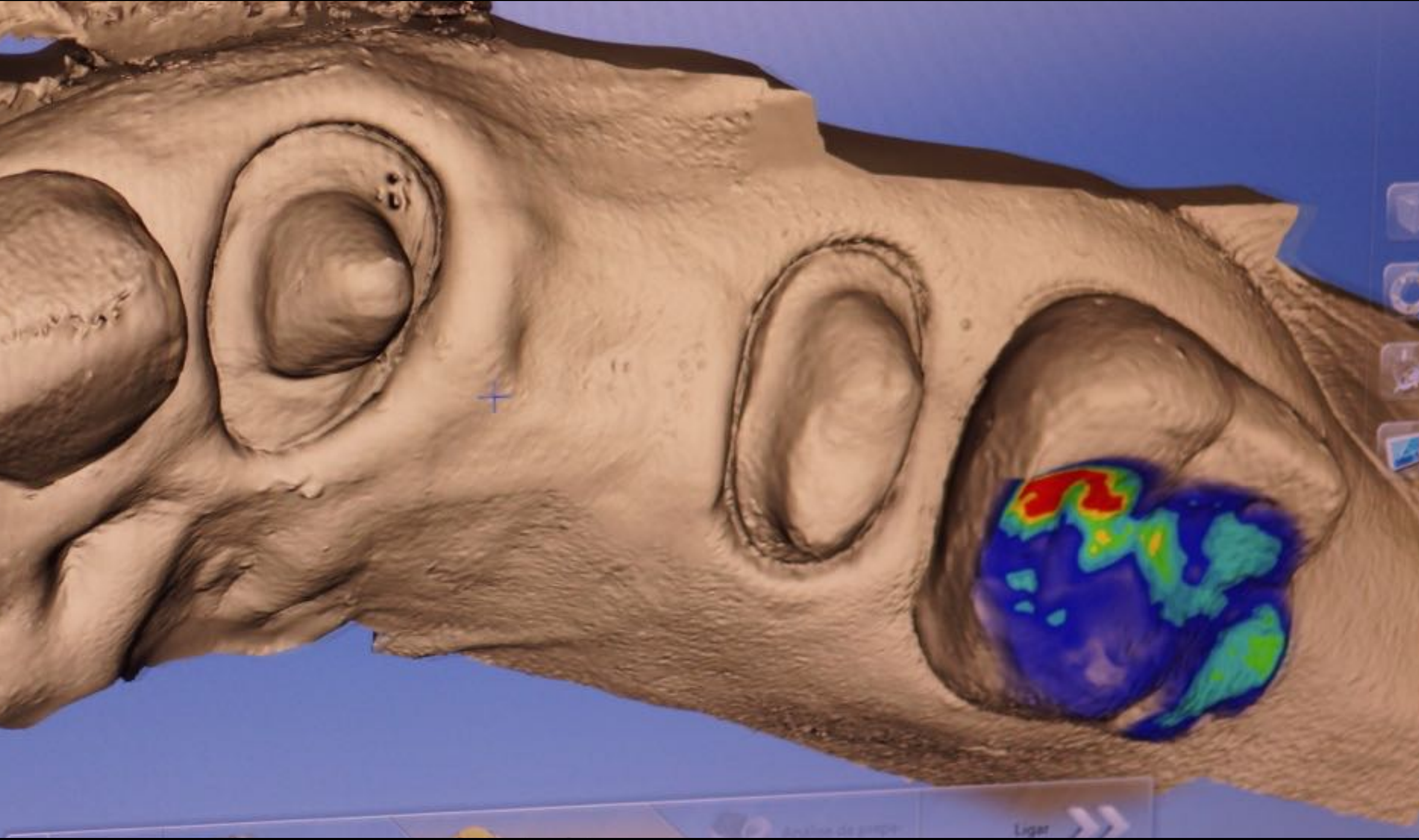




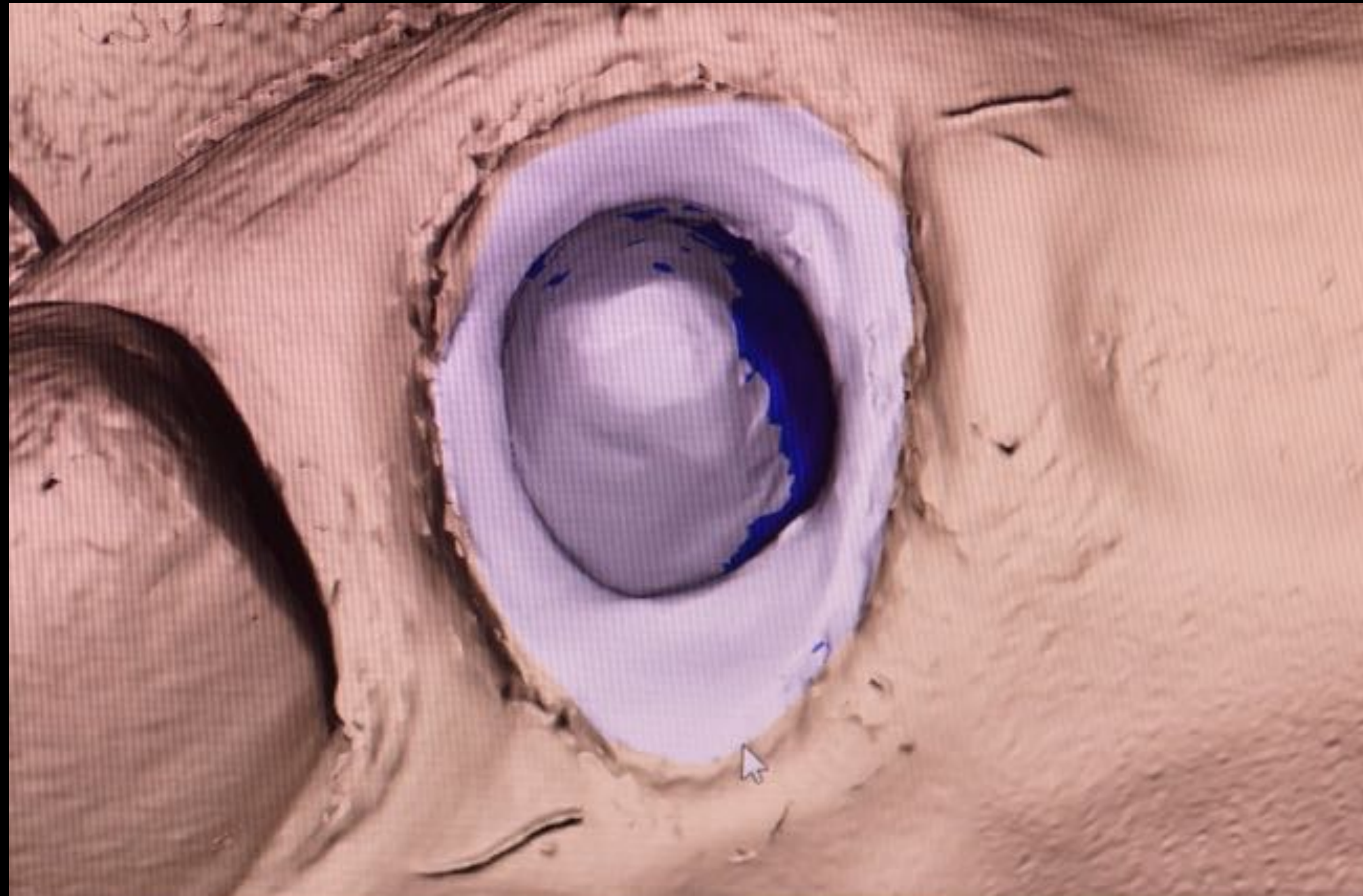








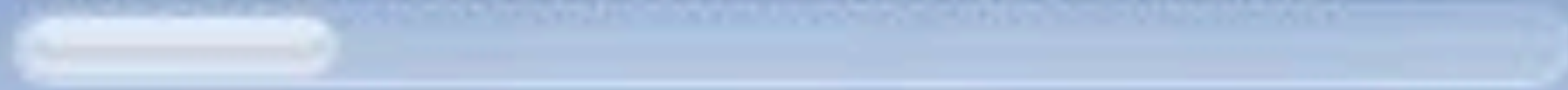








Progresso da transferência: 21%  
Tempo de transferência restante previsto: 5 minutos



Cancelar



Gerenciamento de  
encomendas



Portal do Sirona Con-  
nect

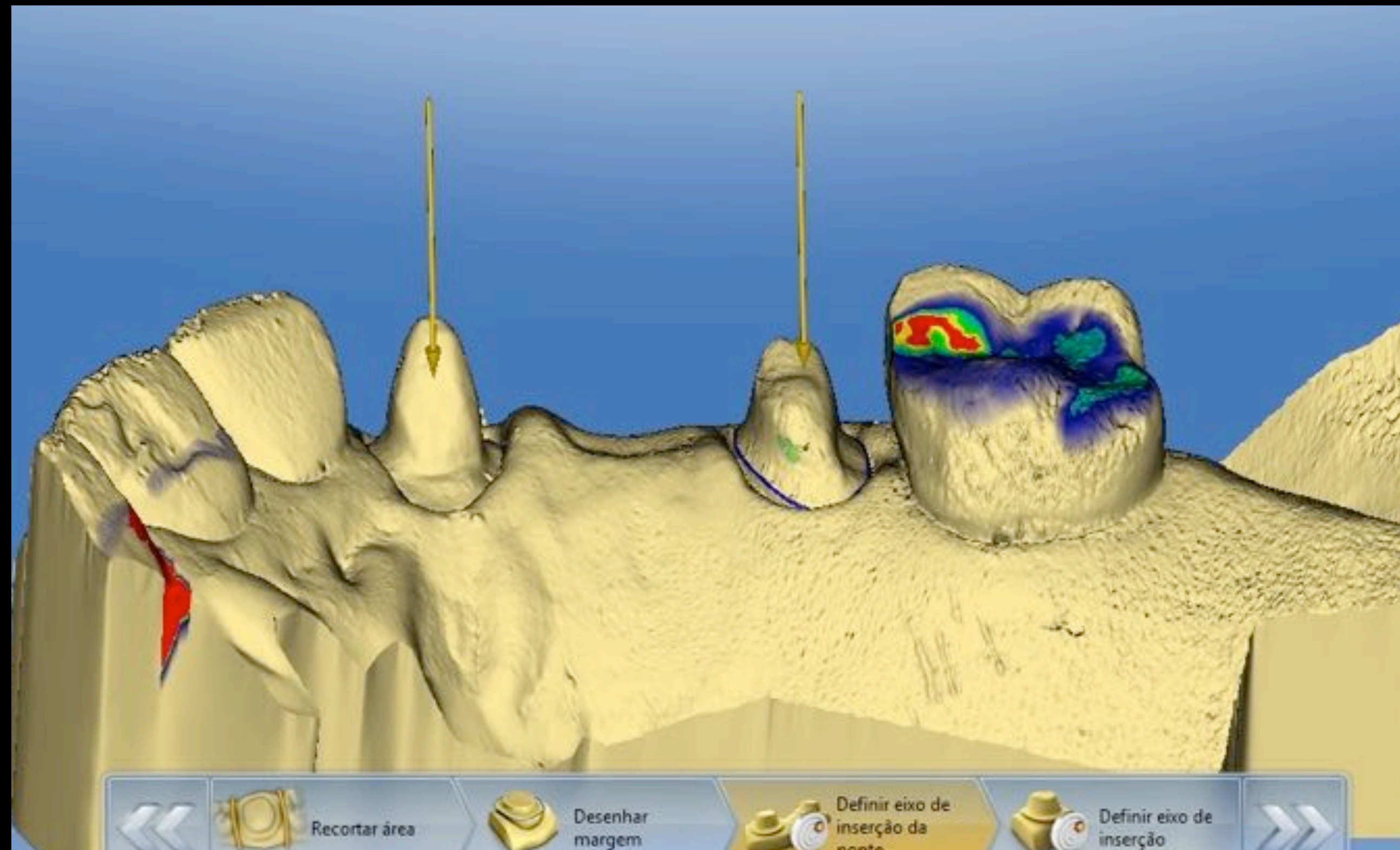


Modos de design	Tipo de restauração
Biogénico Individual	Coroa
Estrutura	Inlay/Onlay
Cópia bio-genérica	Faceta
Referência bio-genérica	Pôntico
Telescópico	Pilar
Separar	
Múltiplas camadas	Inexistente
	Conector
	Barra

- Restauração individual
- Restauração de ponte
- Modelo
- Opções de caso

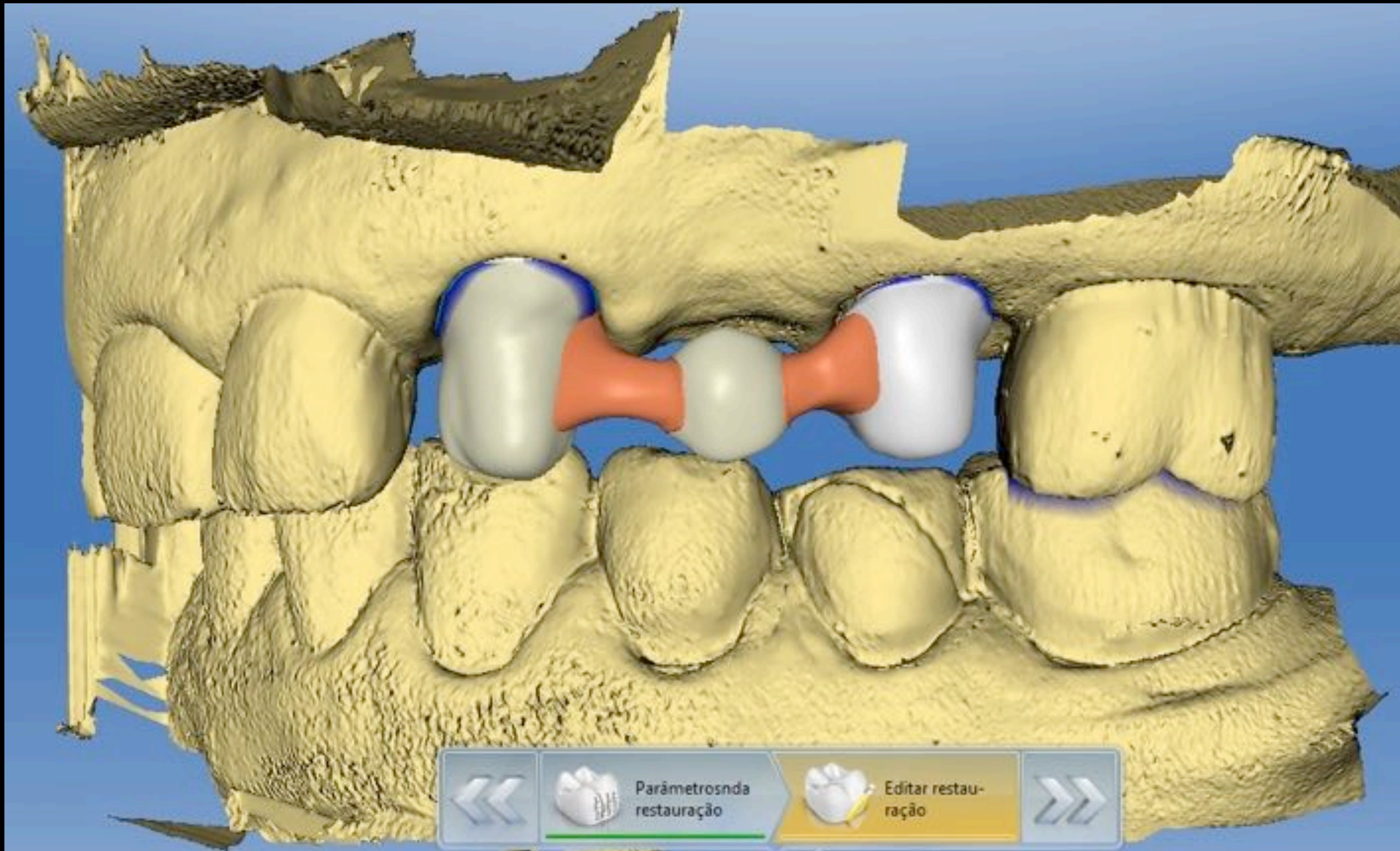
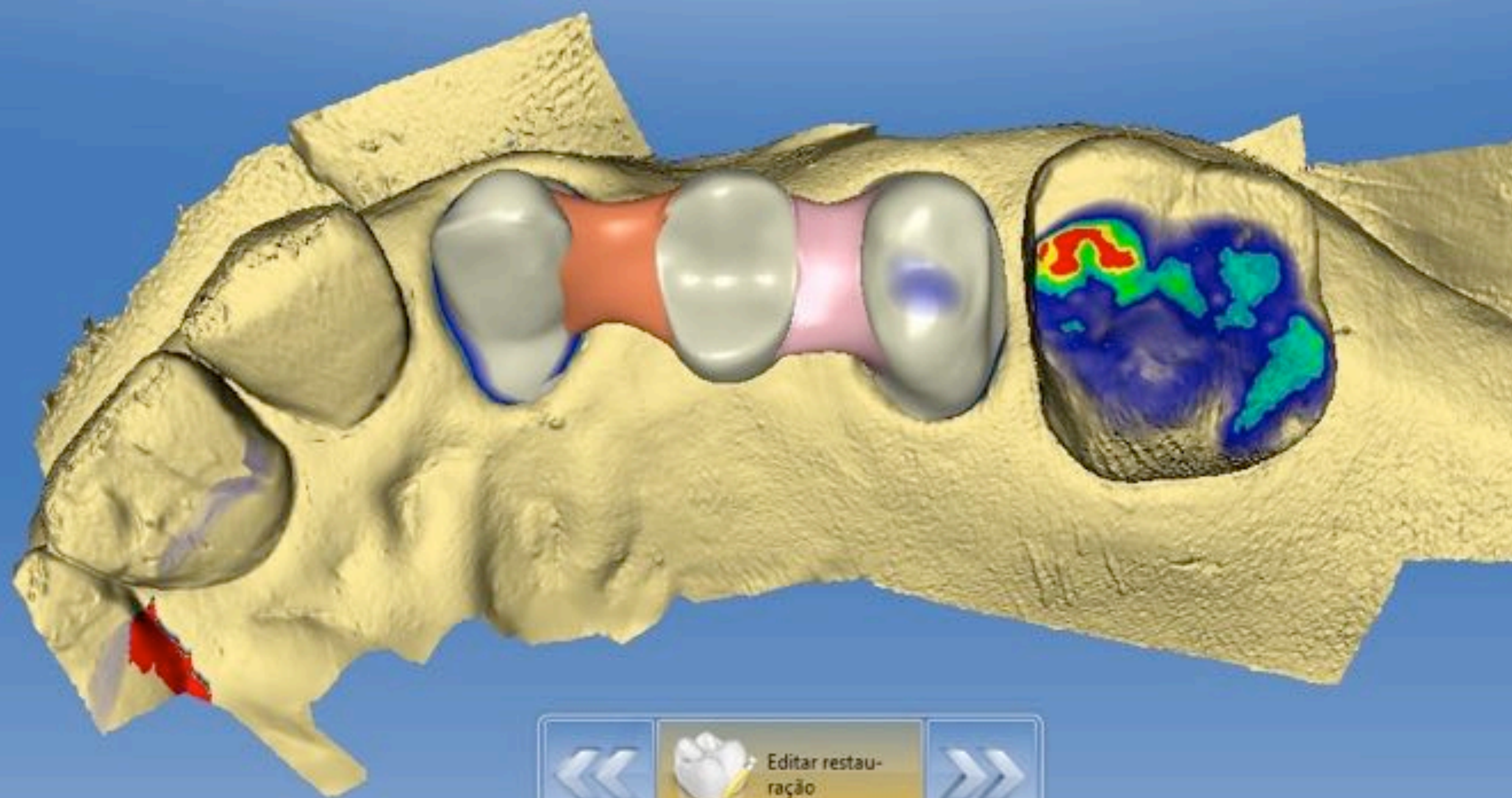
Editar restauração
 Eliminar restauração

23 - 25



Recortar área
 Desenhar margem
 Definir eixo de inserção da ponte
 Definir eixo de inserção







SIRONA inCoris ZI  
Tamanho do bloco



mono S



mono L (20/19)



40/15



40/19



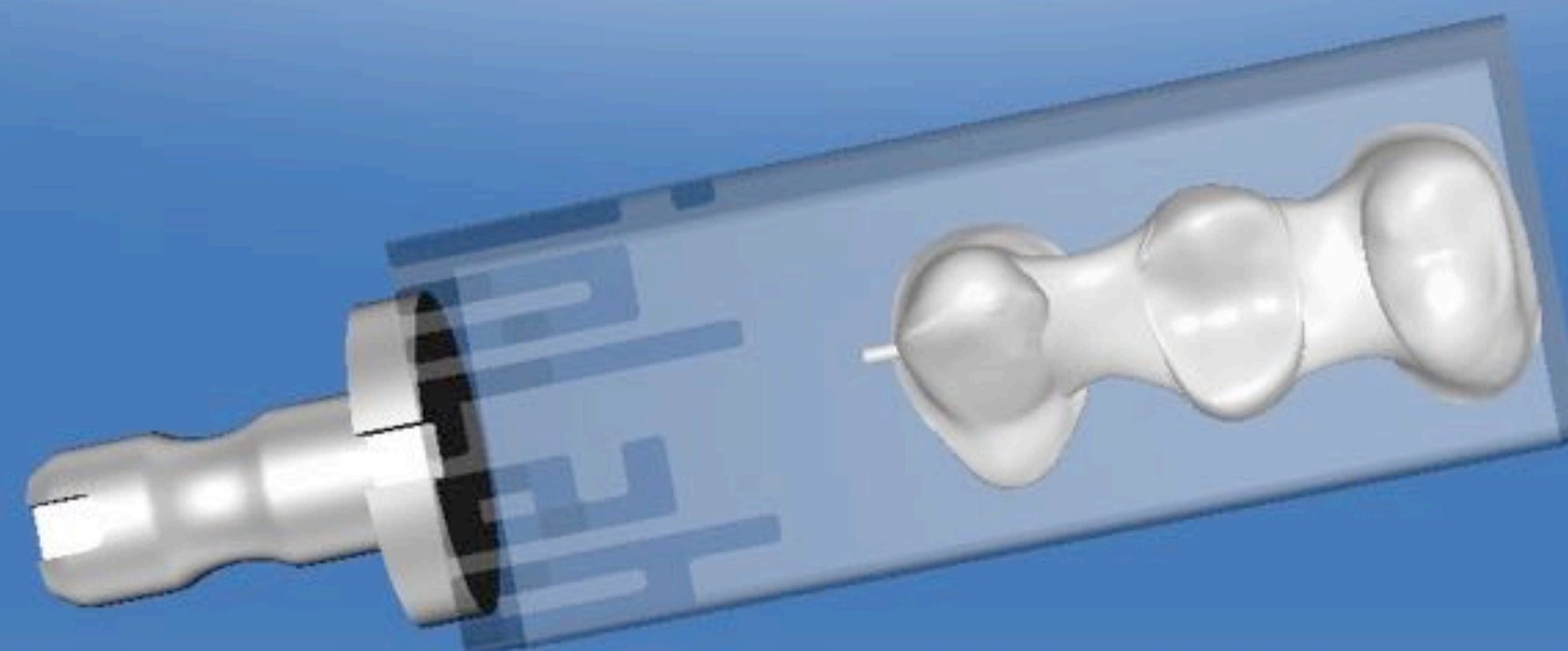
55/19 MC XL



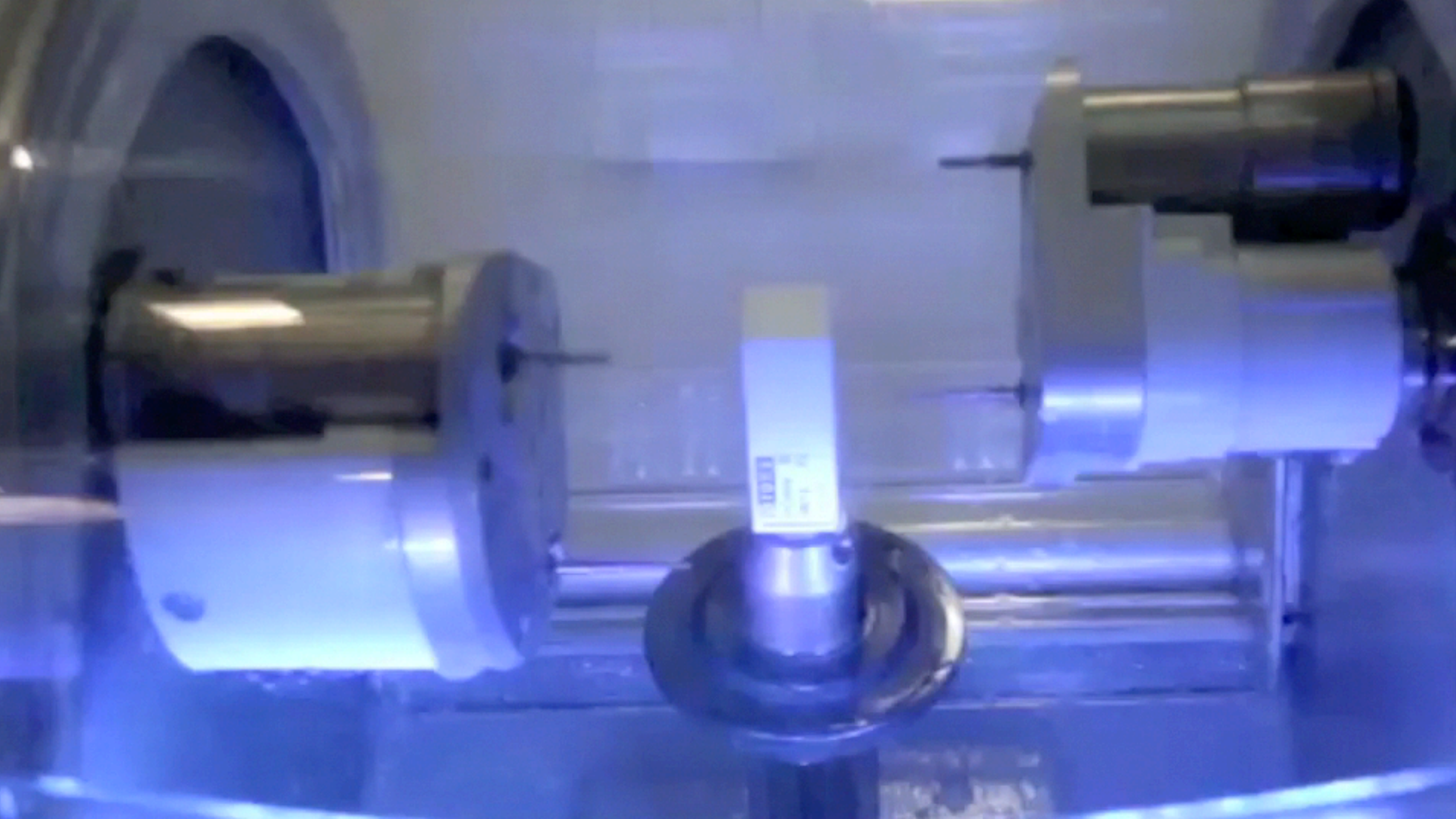
65/25



23 - 25







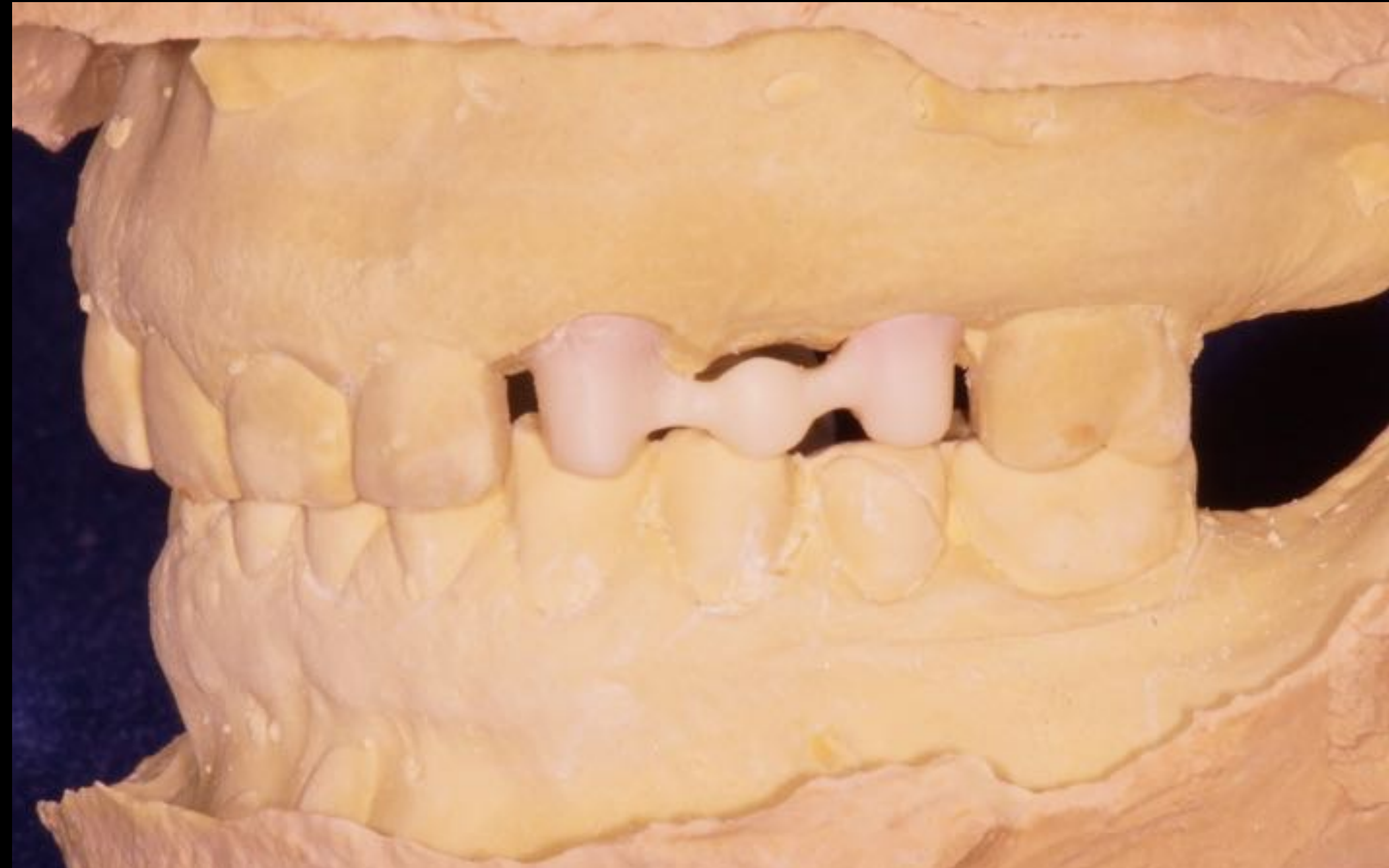


































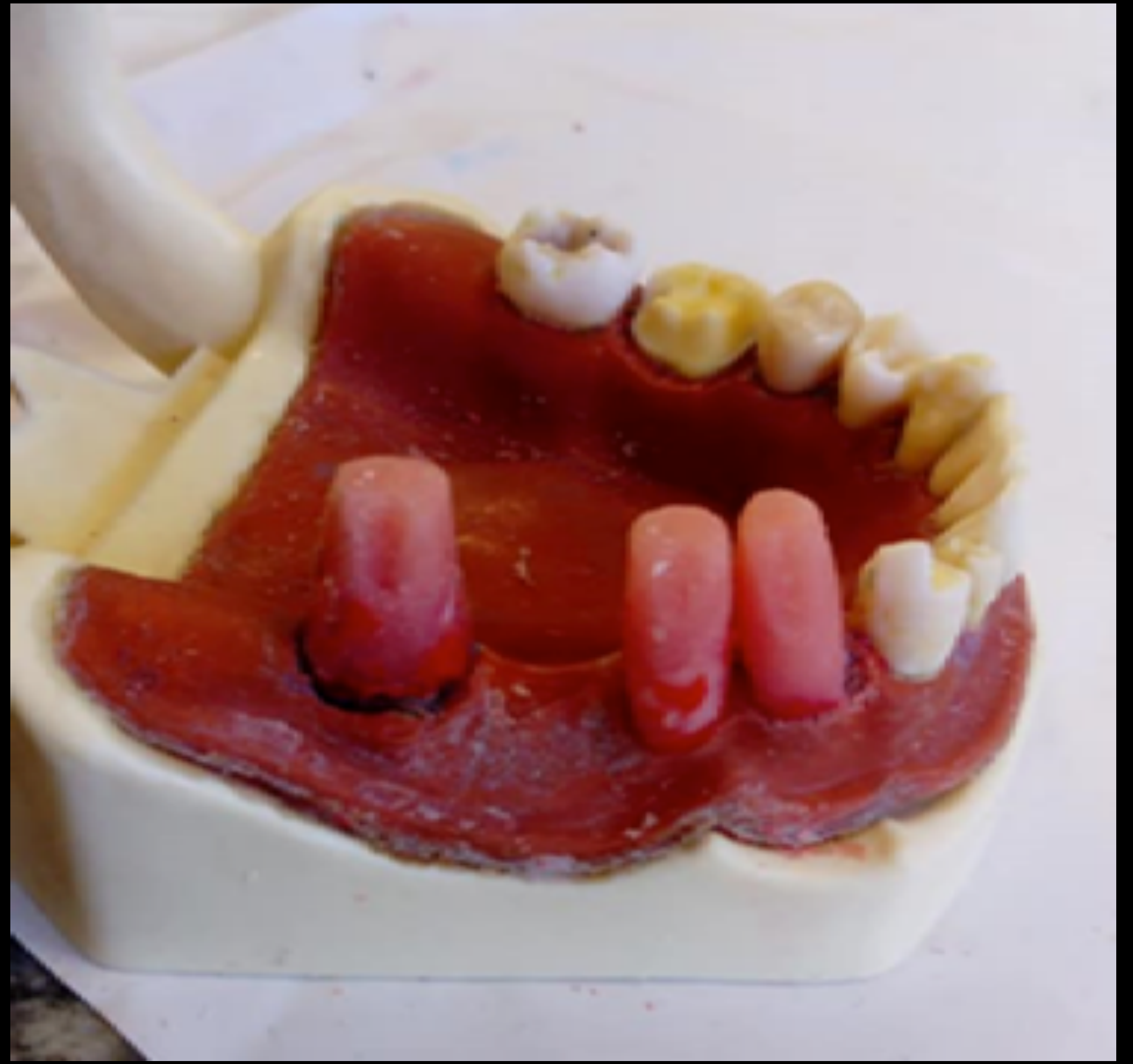
# TÉCNICA PARA OBTENÇÃO DE MODELO TOTAL RÍGIDO COM O USO DE CASQUETE DE MOLDAGEM

TCC - ANA CAROLINA DIVERSI - 2018

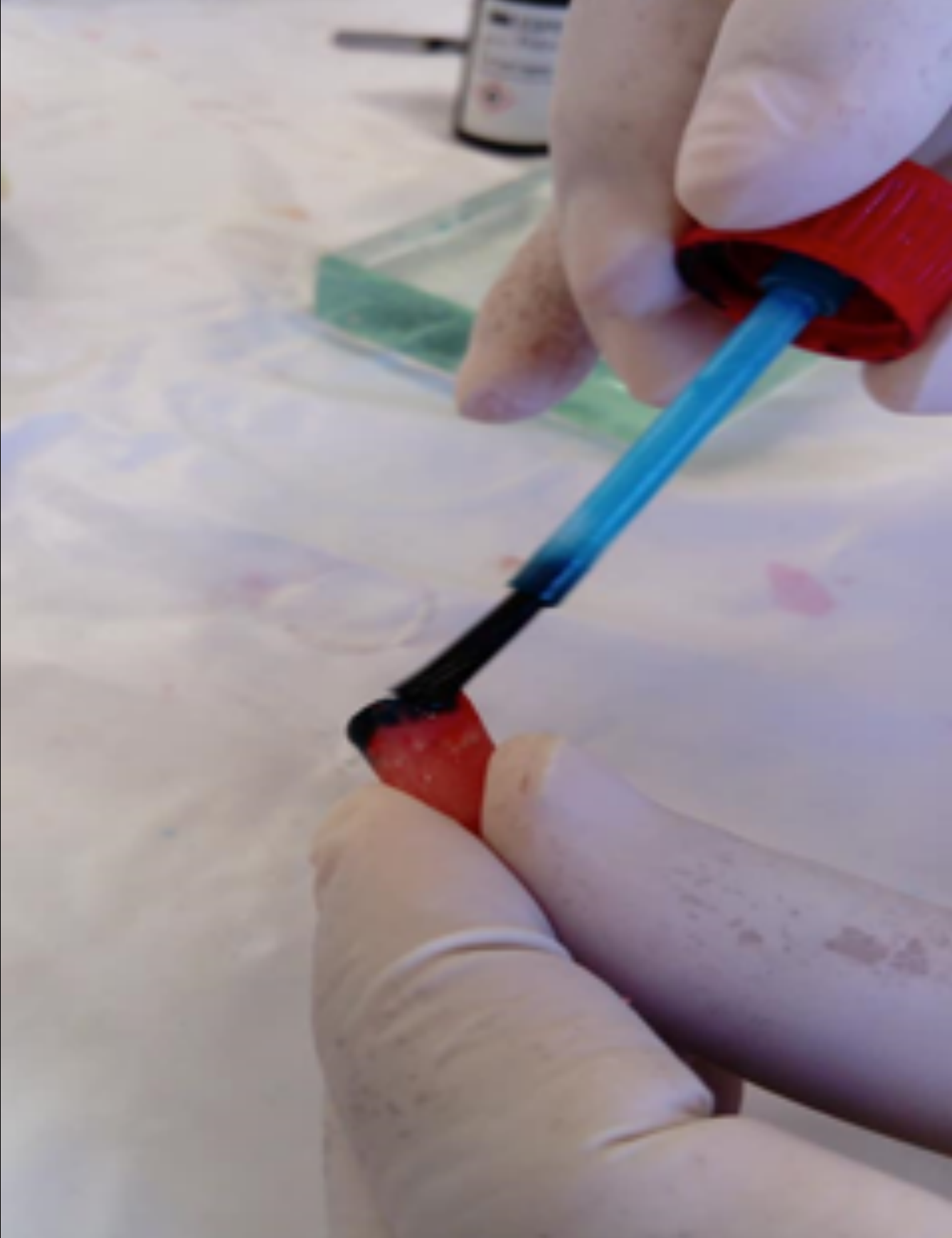




















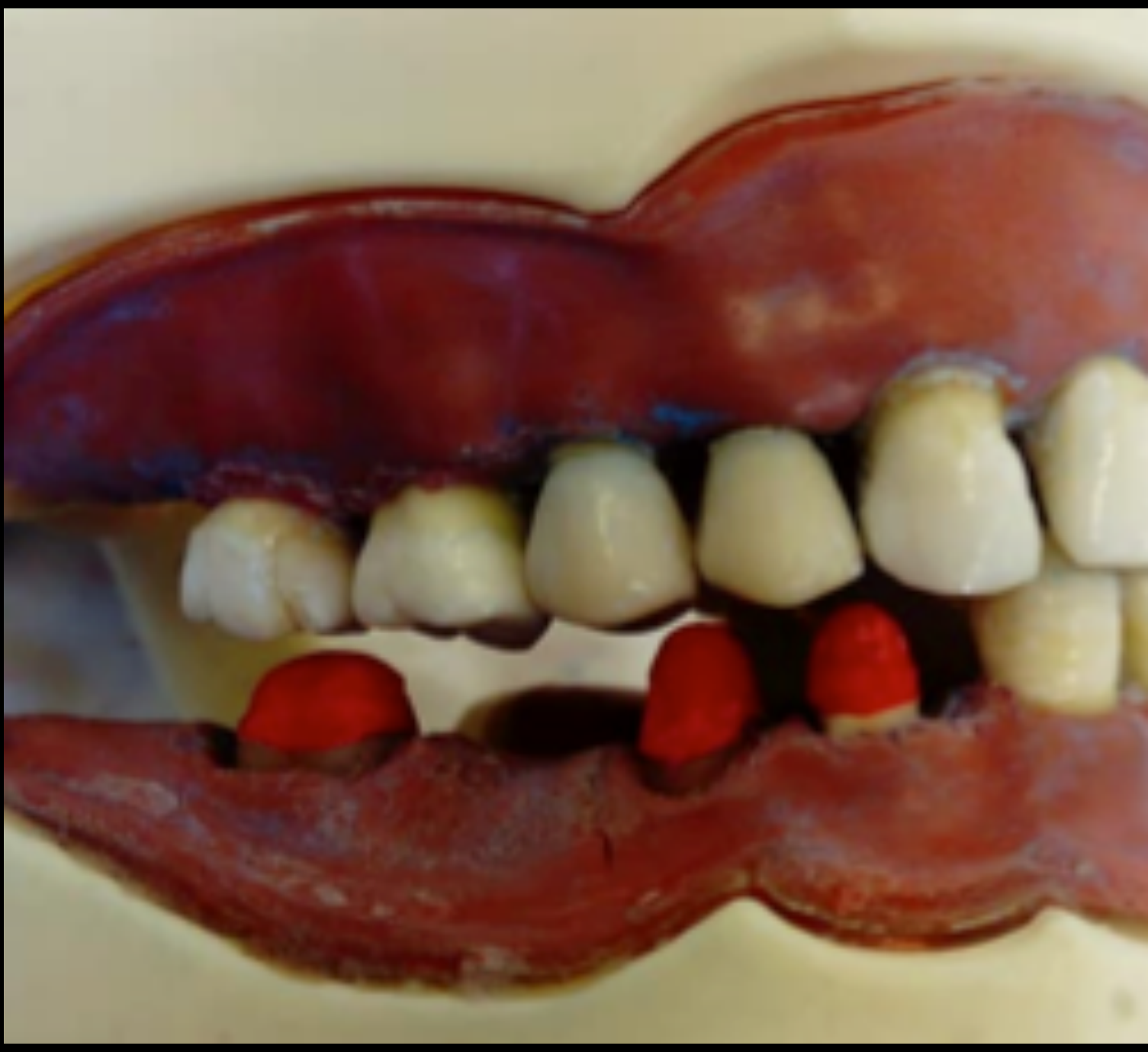
















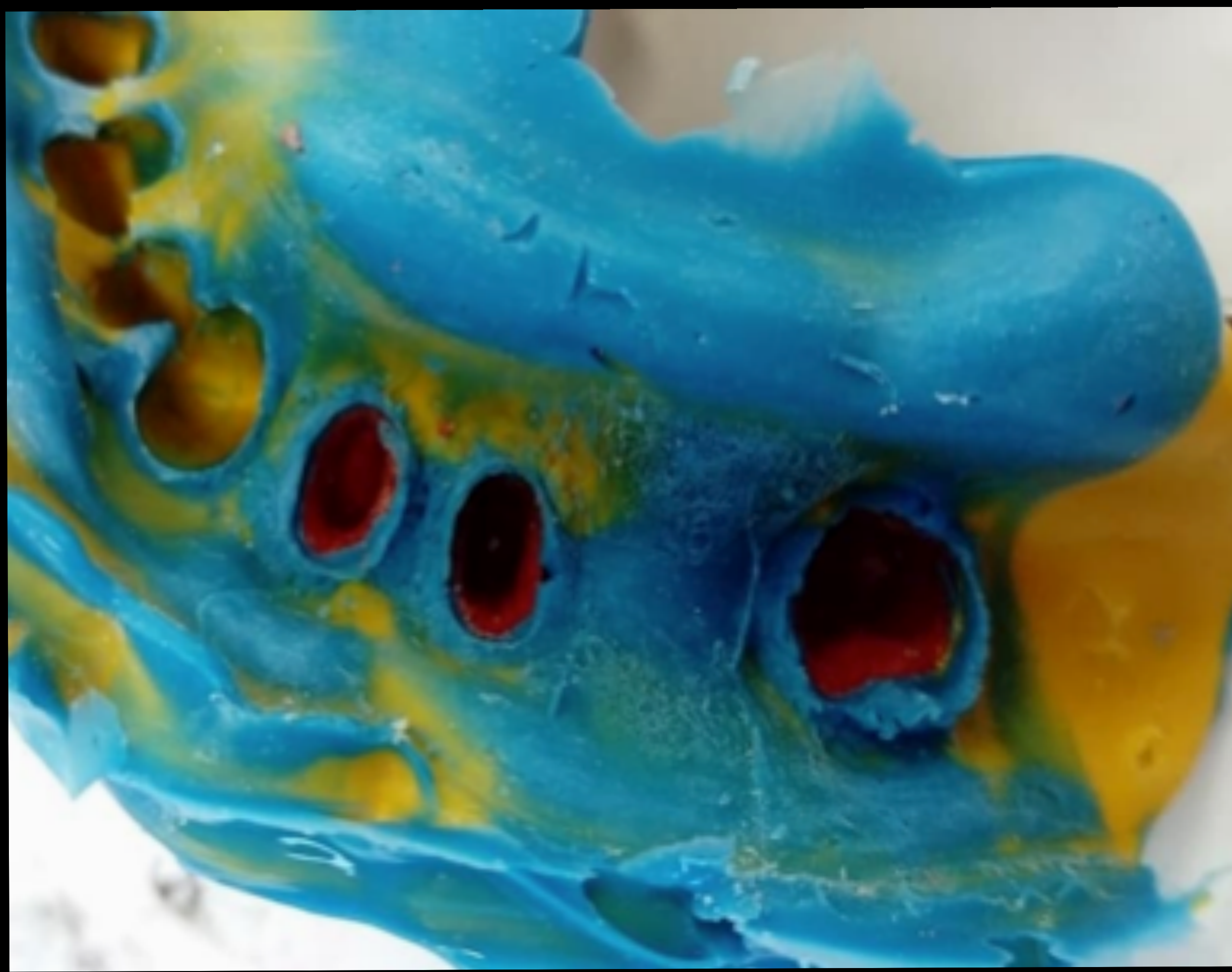




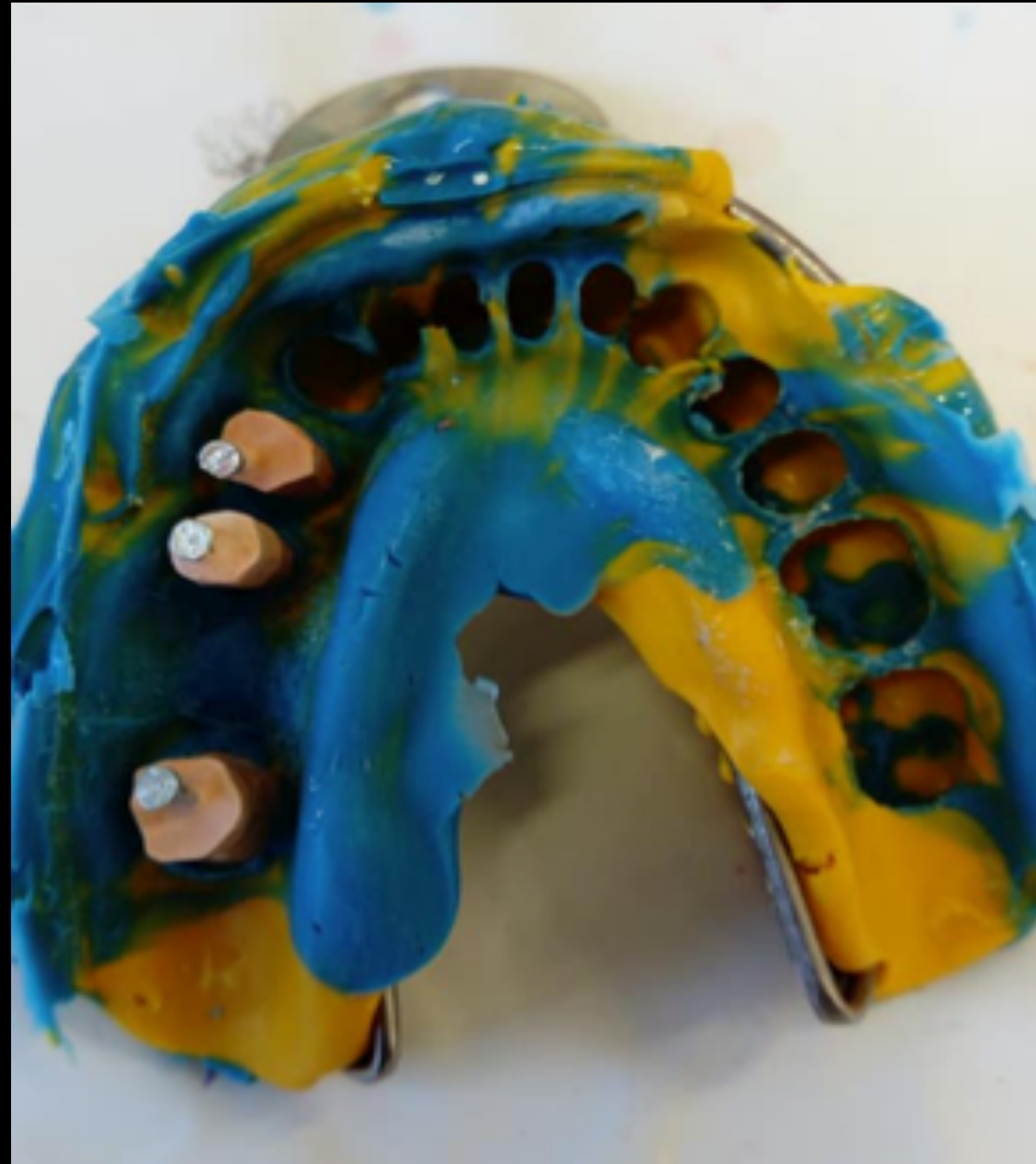




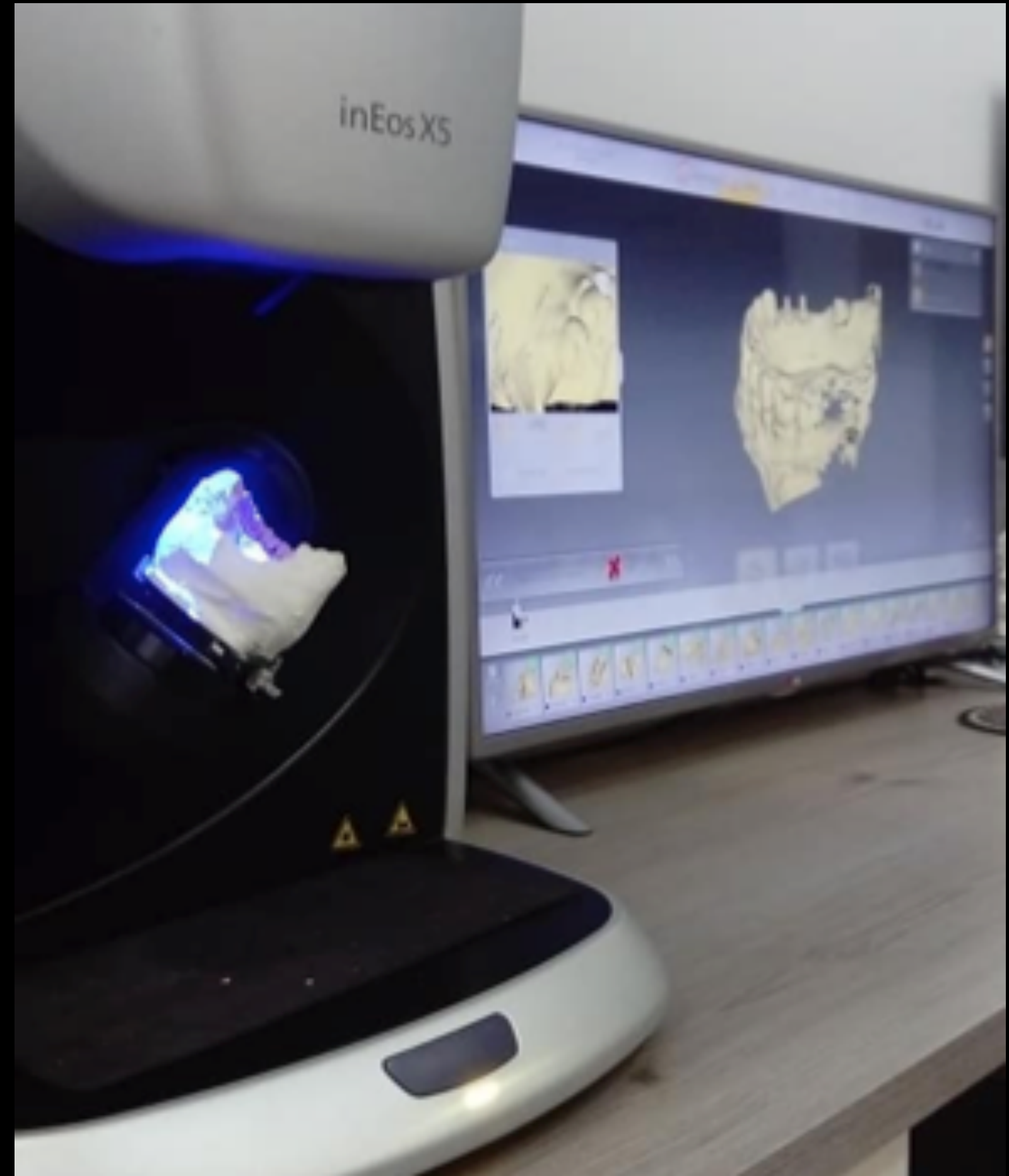




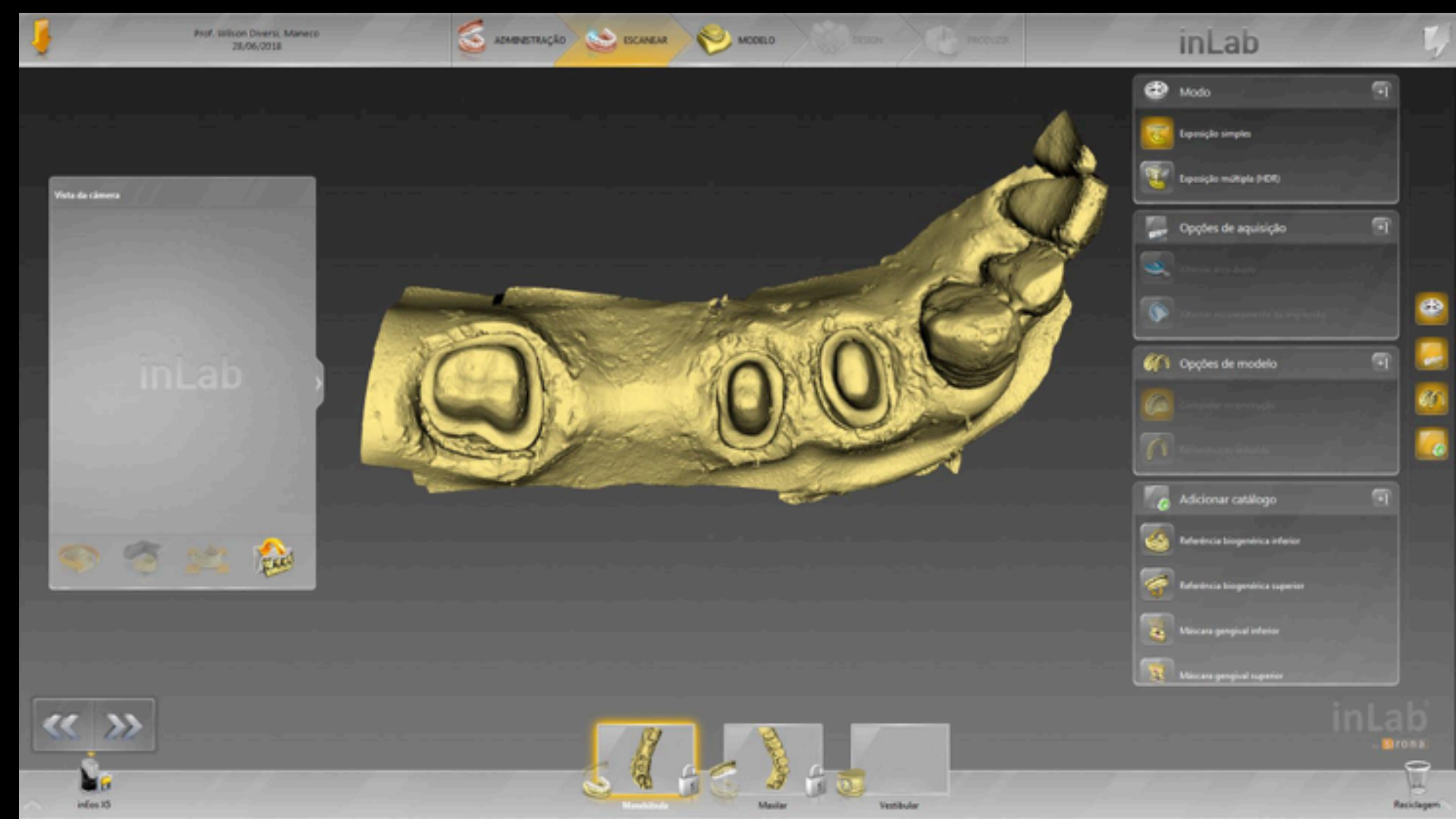




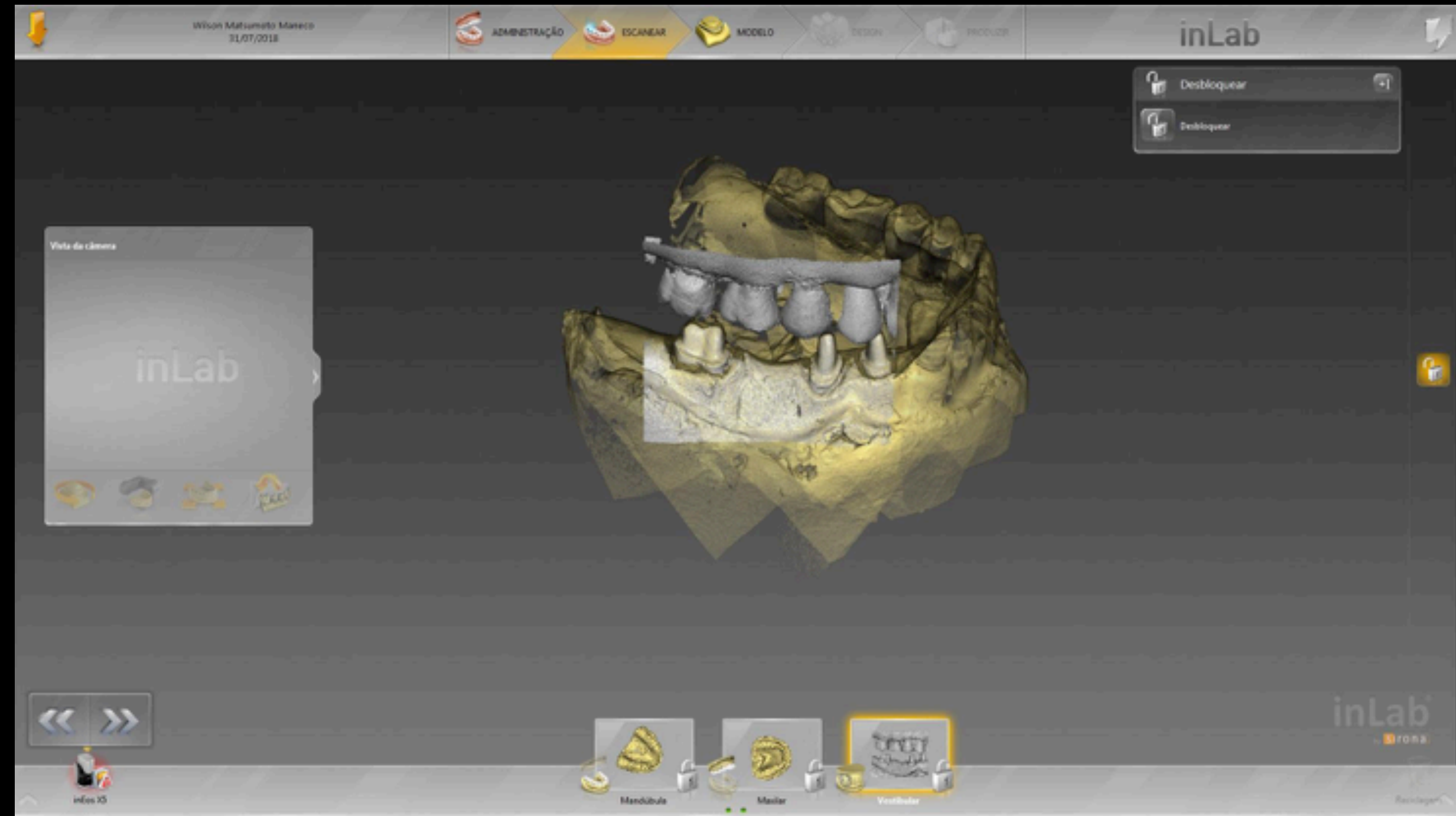
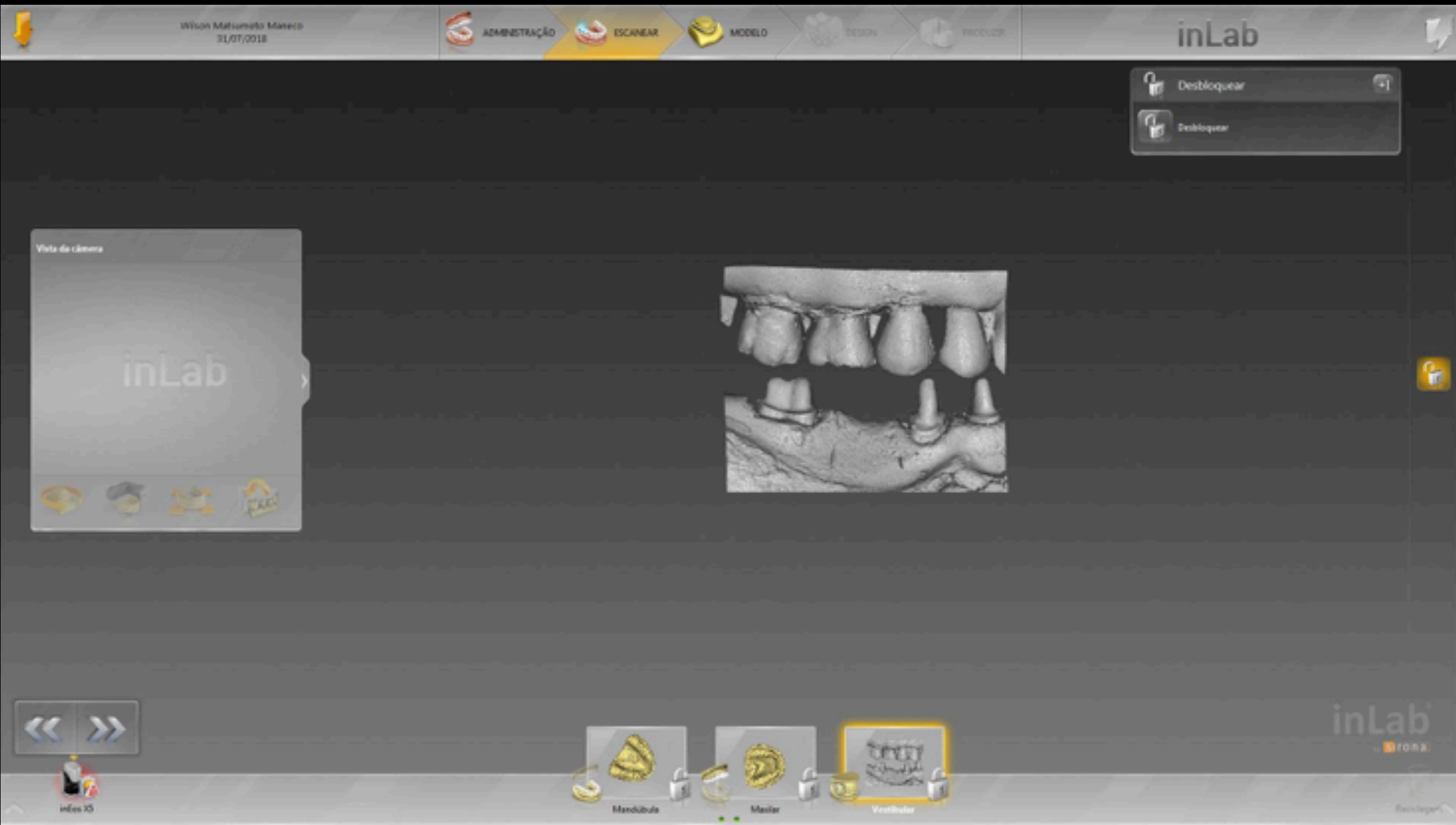




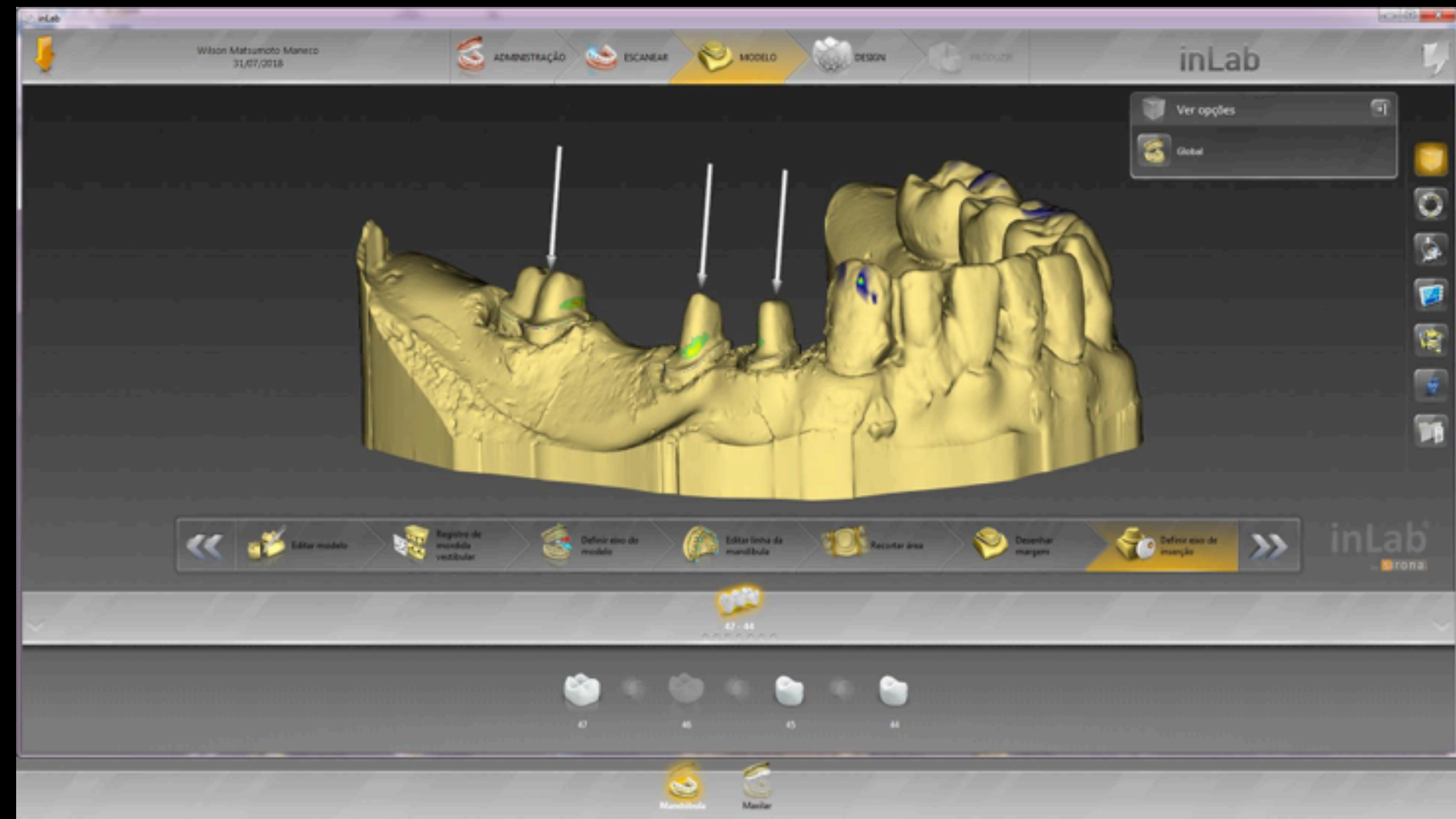




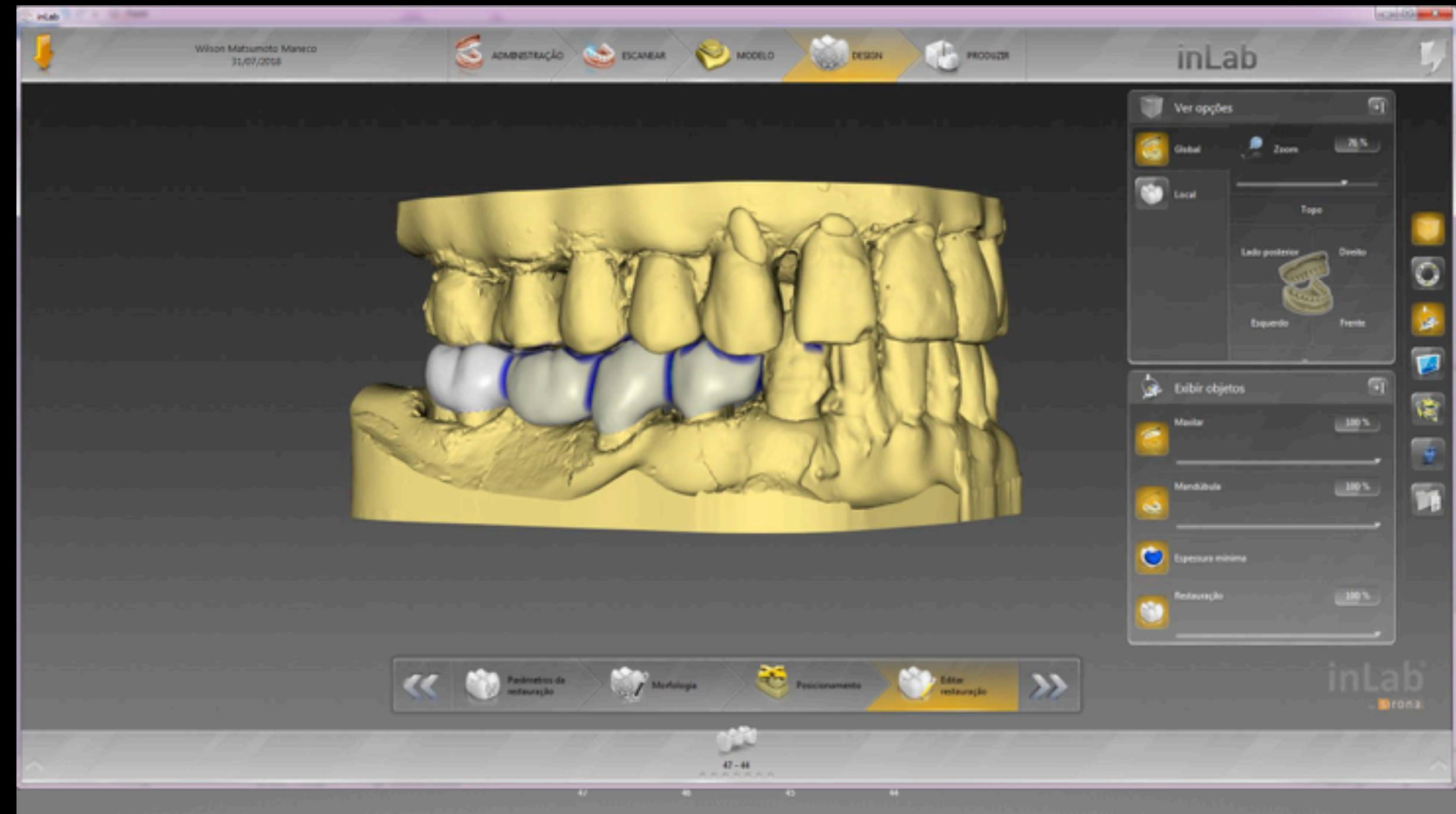




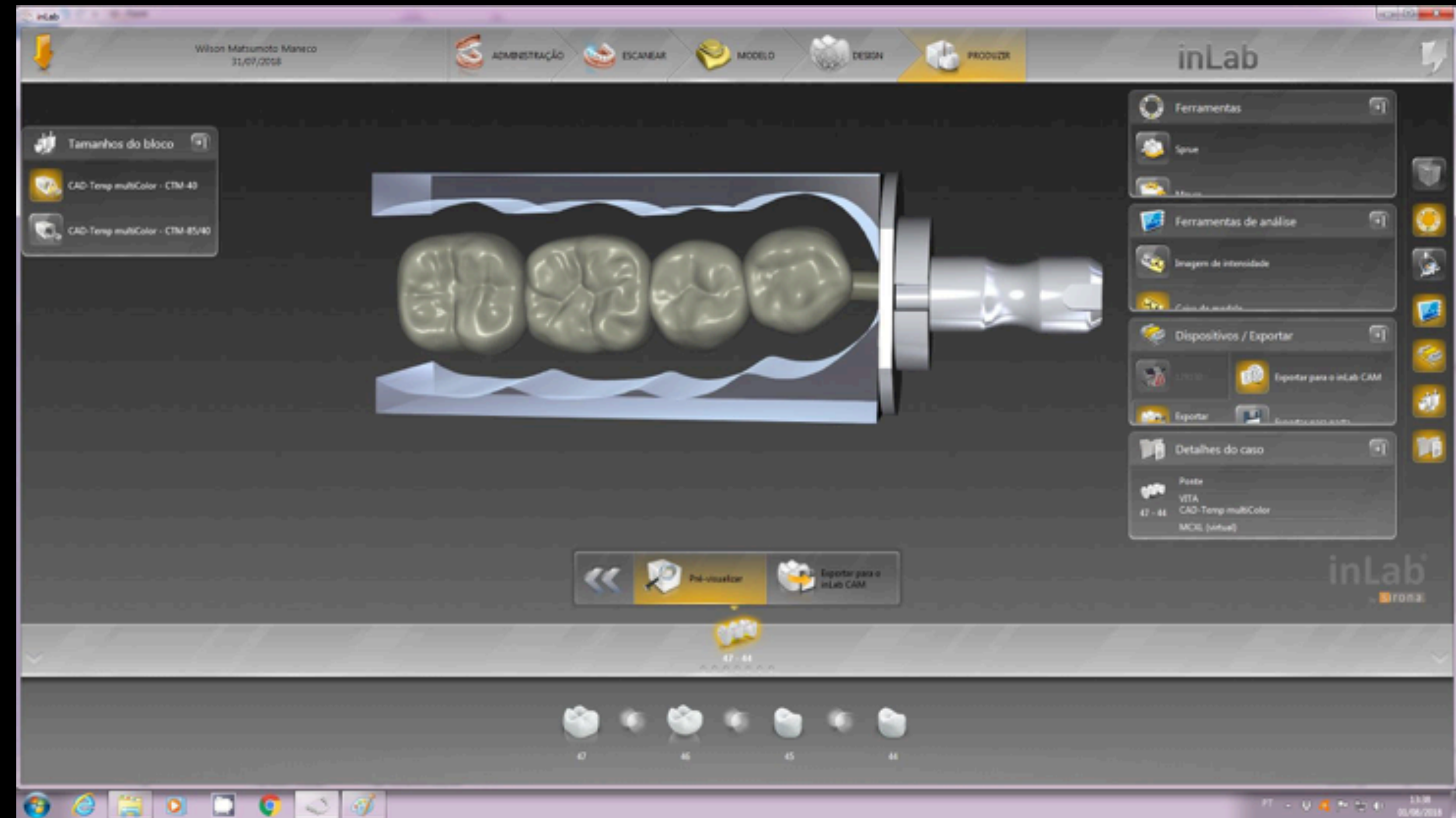
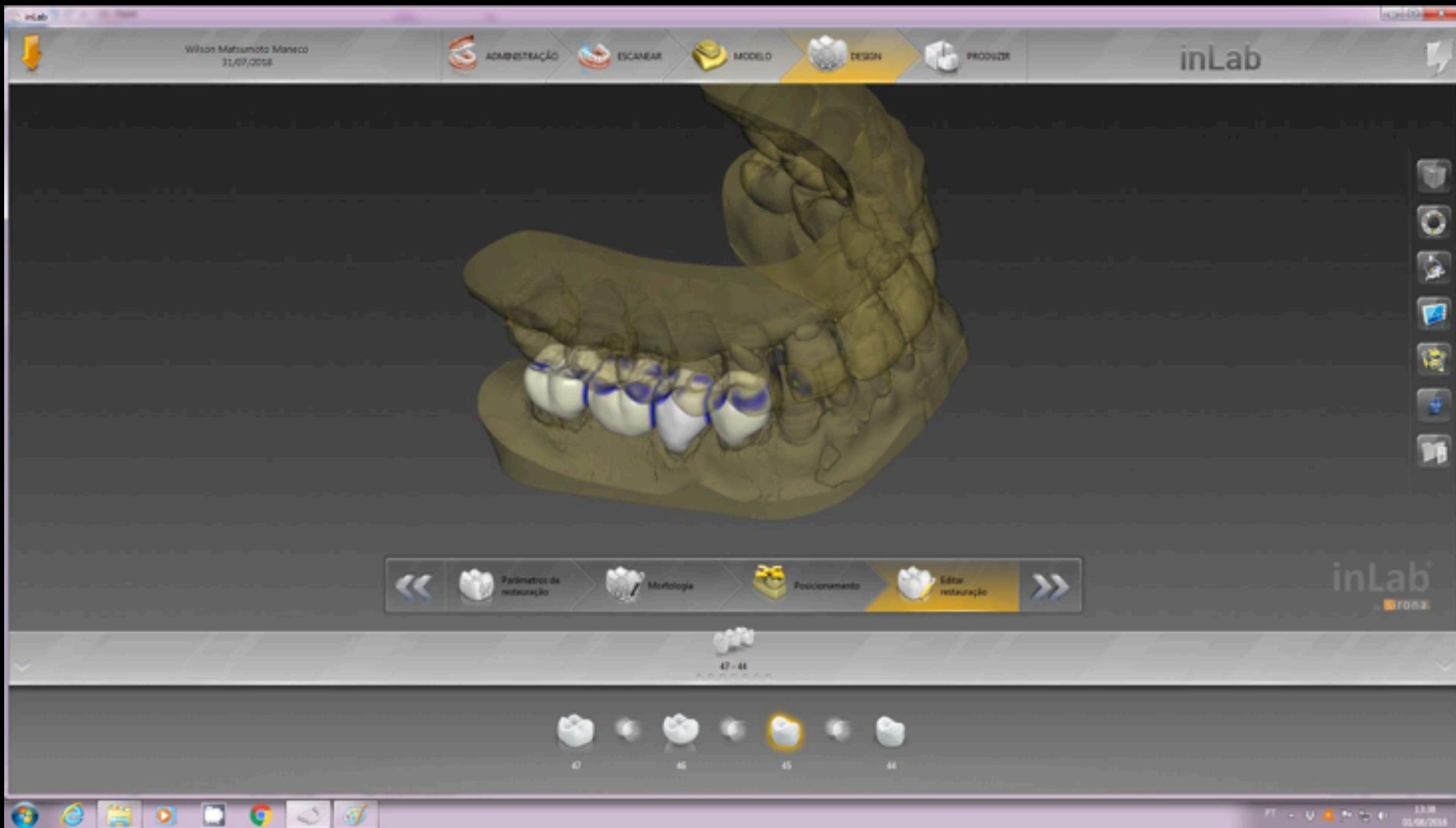




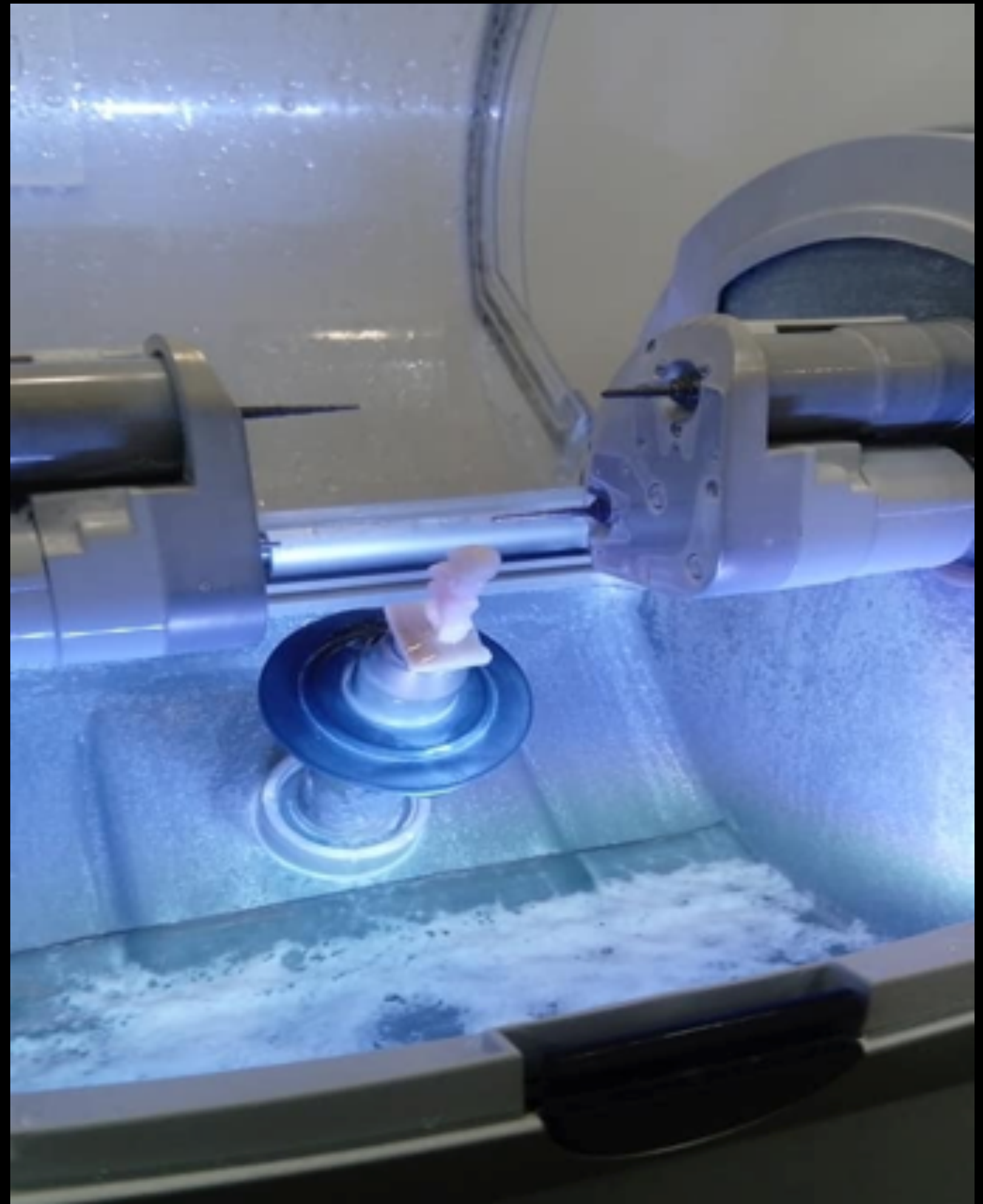


























# **Prótese Fixa**

## **Ultraconservadora**

**Estética com Preservação  
de Estrutura Dental**



**PRÓTESE FIXA ULTRA CONSERVADORA 1998**



**PRÓTESE FIXA COM RETENTORES  
SUBMERSOS QDT,2000**





**A coroa metalocerâmica é,  
ainda, a restauração mais  
utilizada em prótese fixa.**









# Glidewell Laboratories

Jan-Jun/2003

3 anos

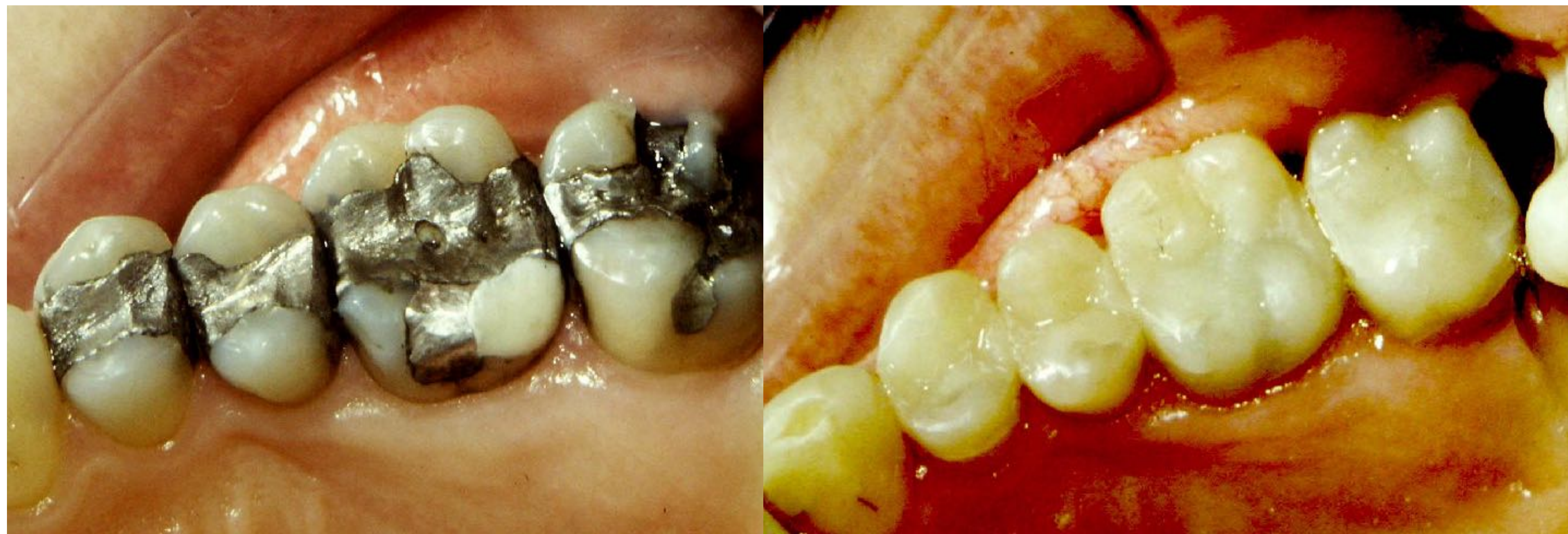
últimos

-	<b>Metalocerâmicas</b>	<b>65 %</b>	
-	<b>Cerâmica pura</b>	<b>23 %</b>	
-	<b>Ouro</b>	<b>8 %</b>	
-	<b>Resina composta (Cerômero)</b>	<b>4 %</b>	

Christensen,GJ. JADA, 134:1253-5,2003



# Condicionamento ácido de esmalte e dentina associado a restauração de resina composta para dentes posteriores.





# A resina composta reforça as estruturas dentais remanescentes nas restaurações.



Lopes et al. Quint.Int.,22:641,1991:

**Recuperação de 97%.**



# A grande eficiência da união da cerâmica condicionada com o cimento resinoso.





**Uma prótese fixa convencional dura em média de 6 a 6,6 anos, e das próteses que estão sendo confeccionadas atualmente, mais de 60 por cento são repetições.**

Cardoso, AC. Oclusão:Para você e para mim. p.217, 2003

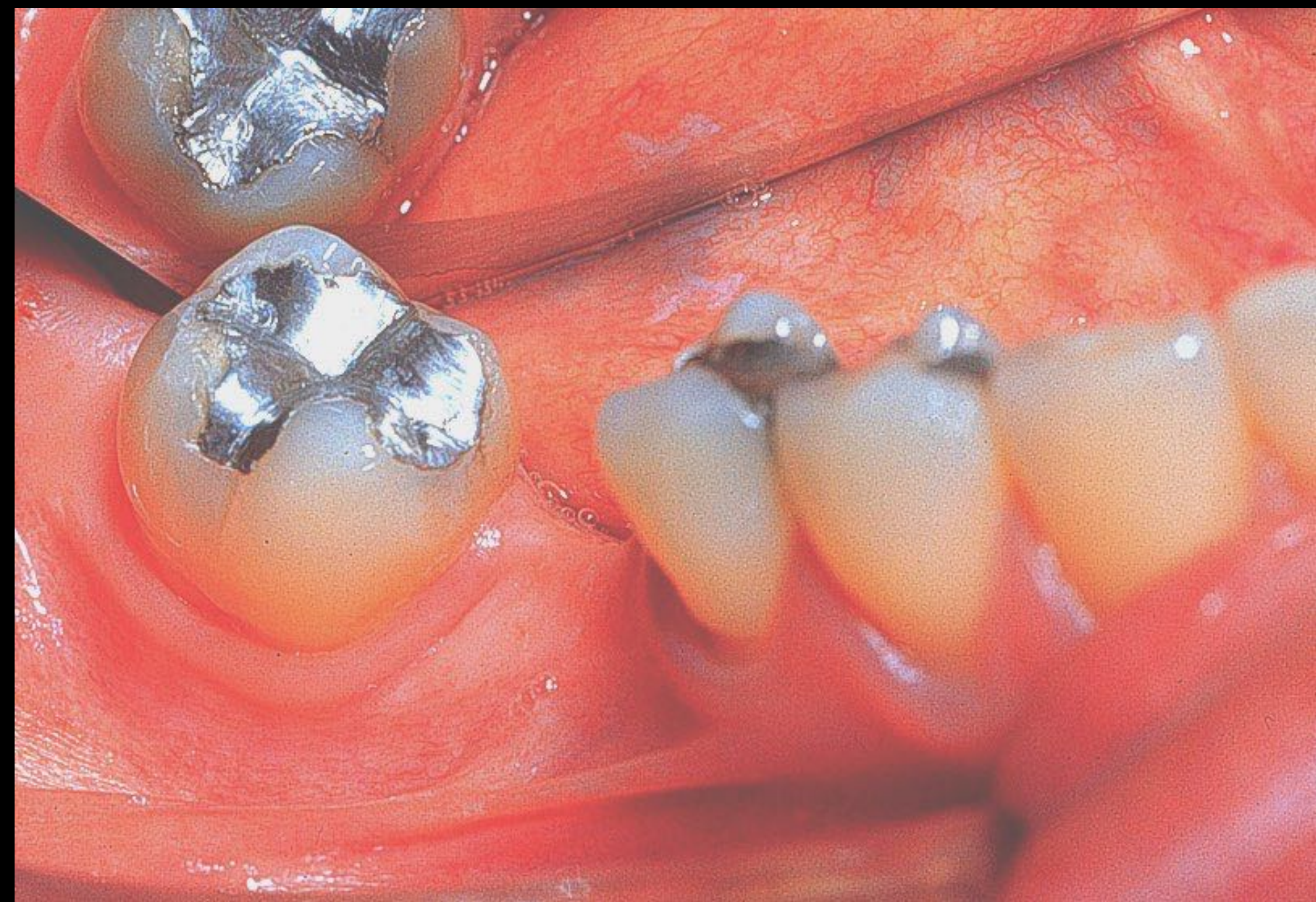
**60 por cento das margens subgingivais tornam-se visíveis em um período de 2 anos, após a cimentação.**

Weir et al. J.Dent. Res. 65:297, 1986

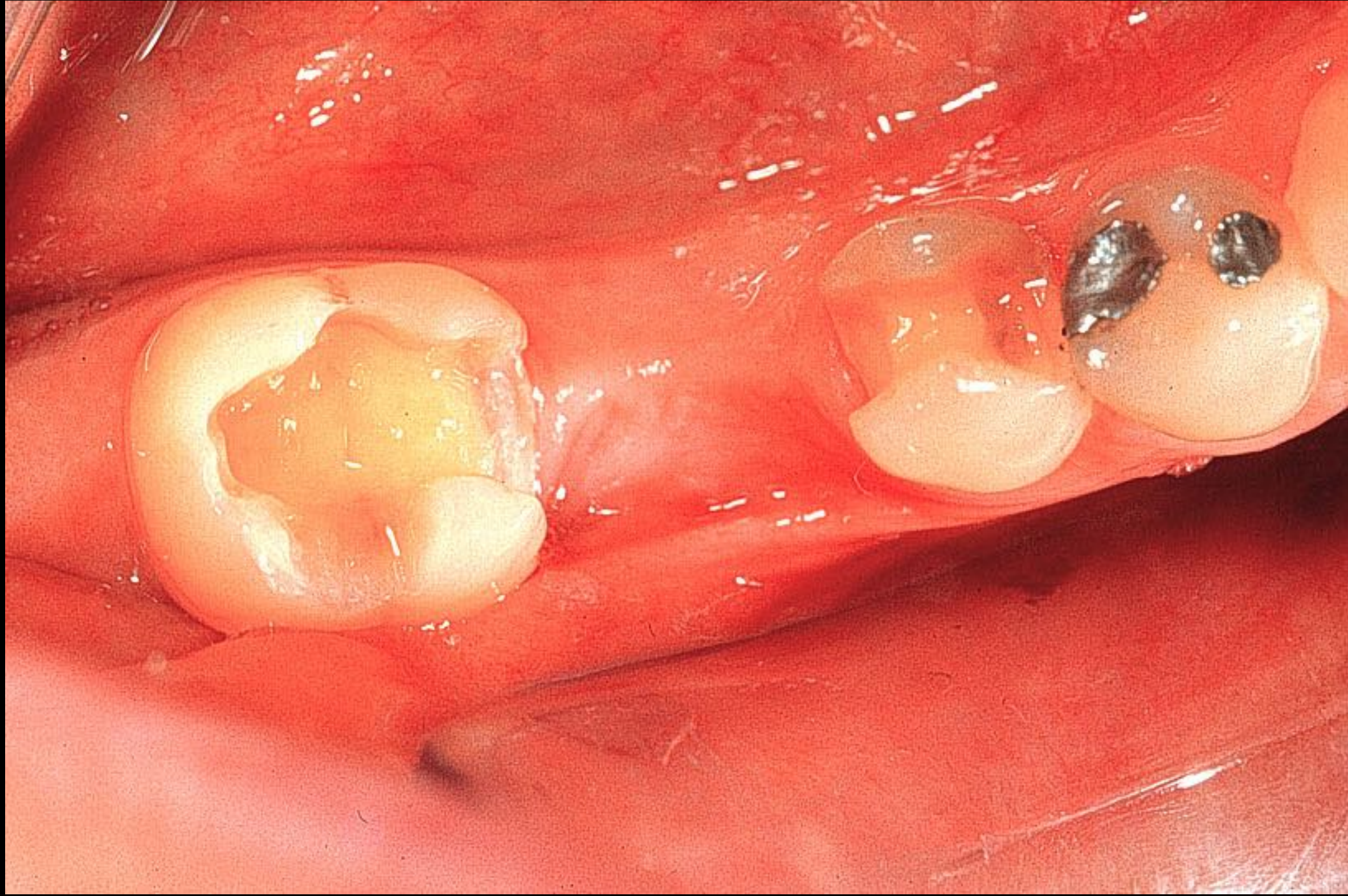
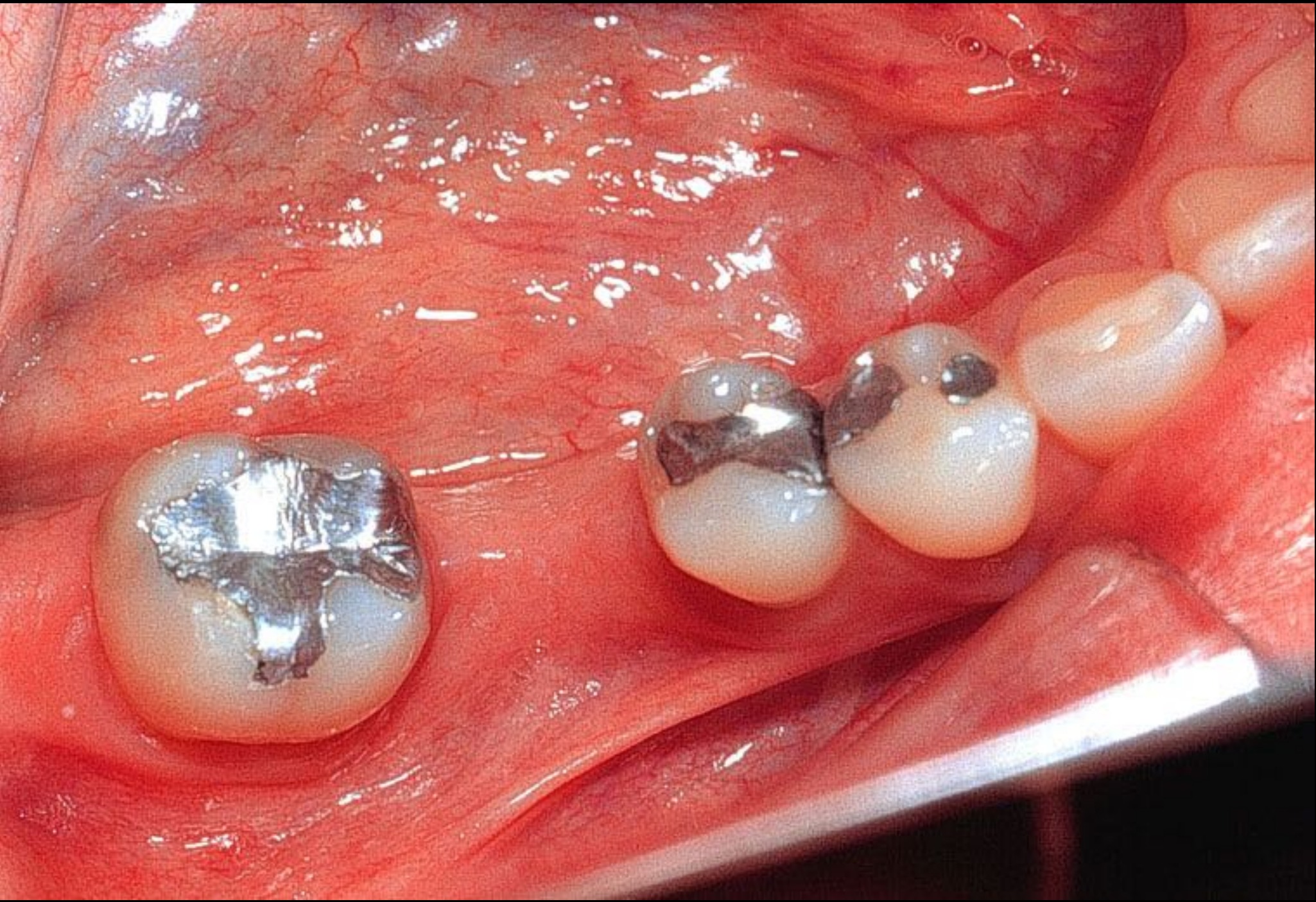




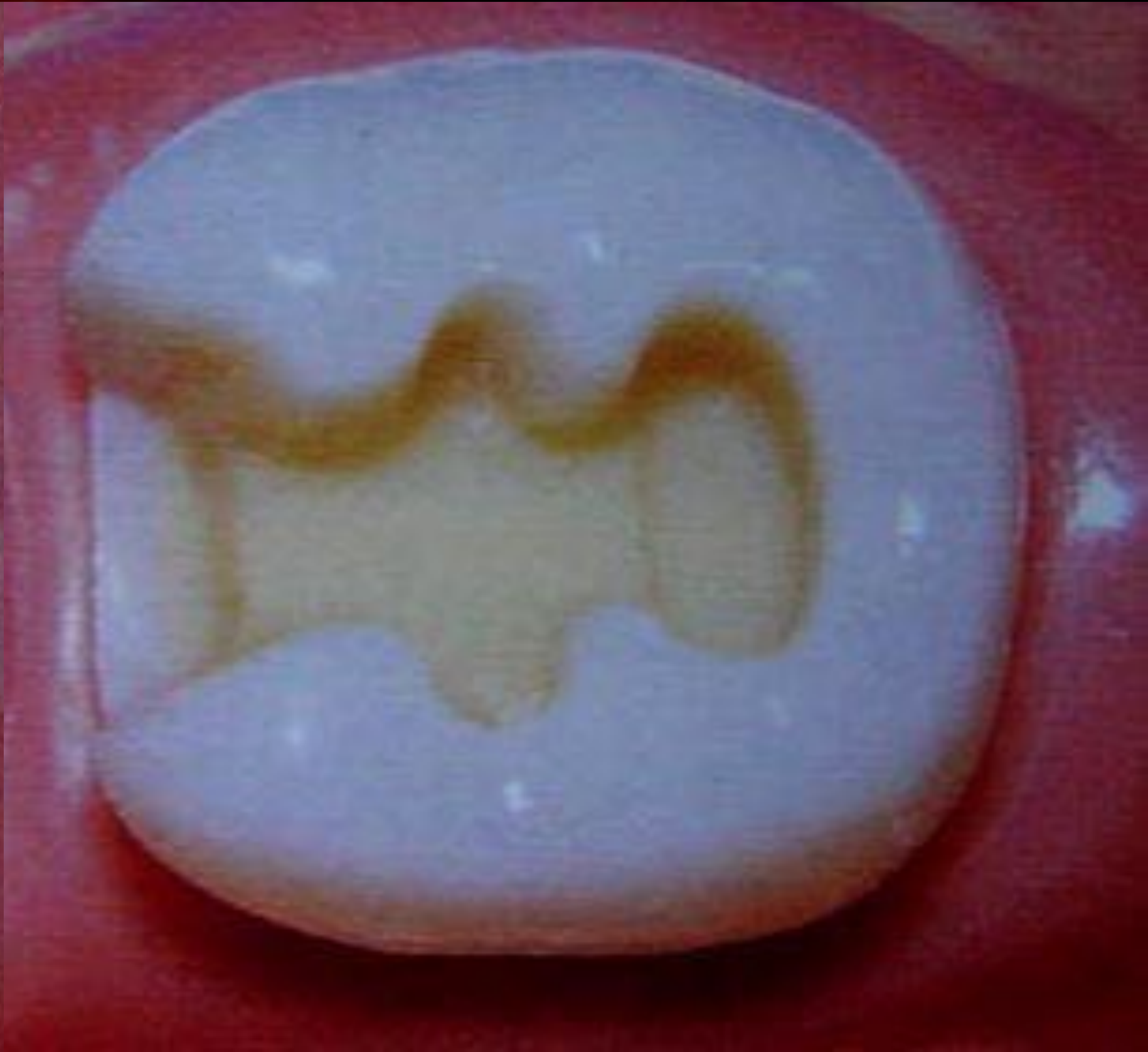








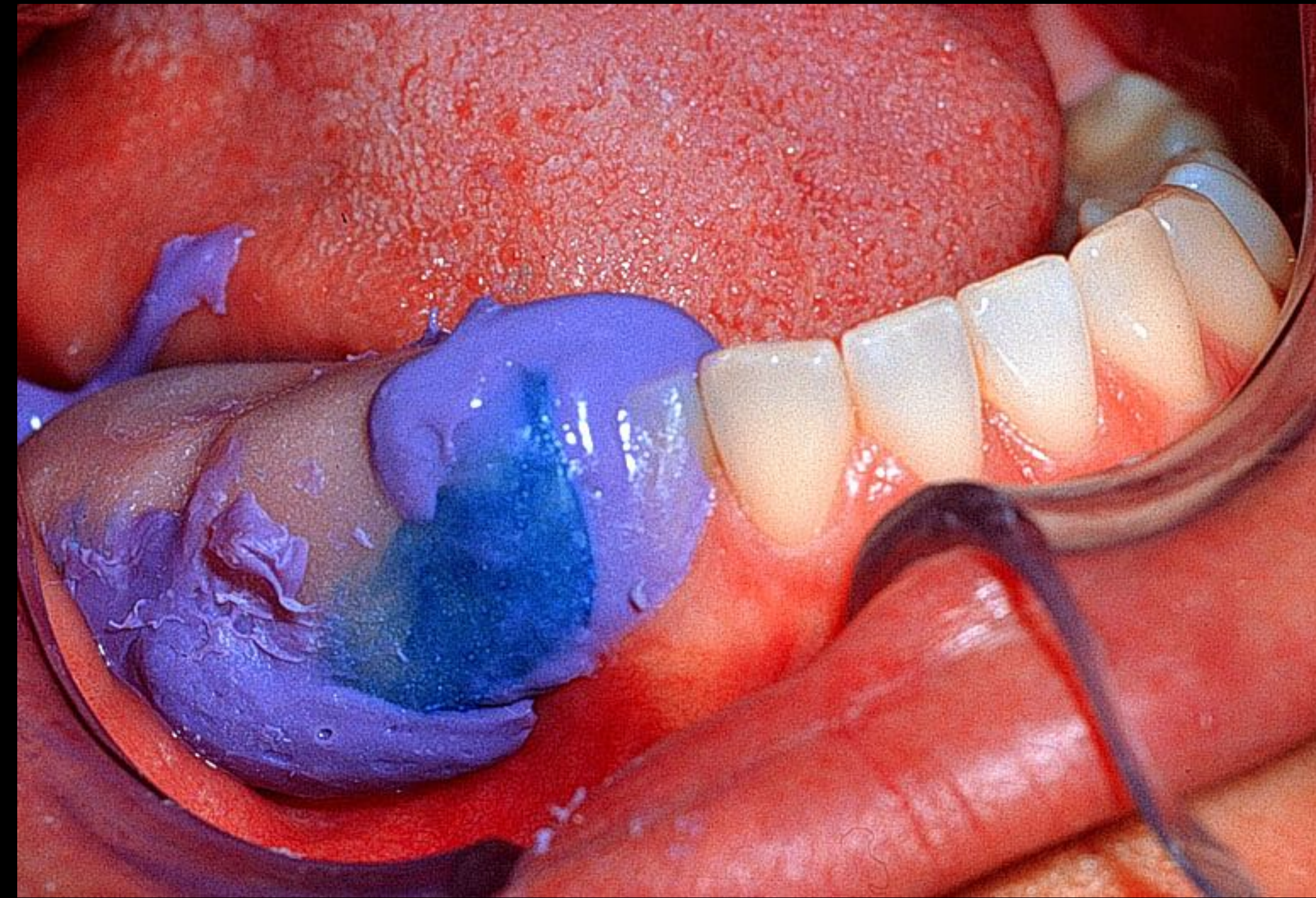




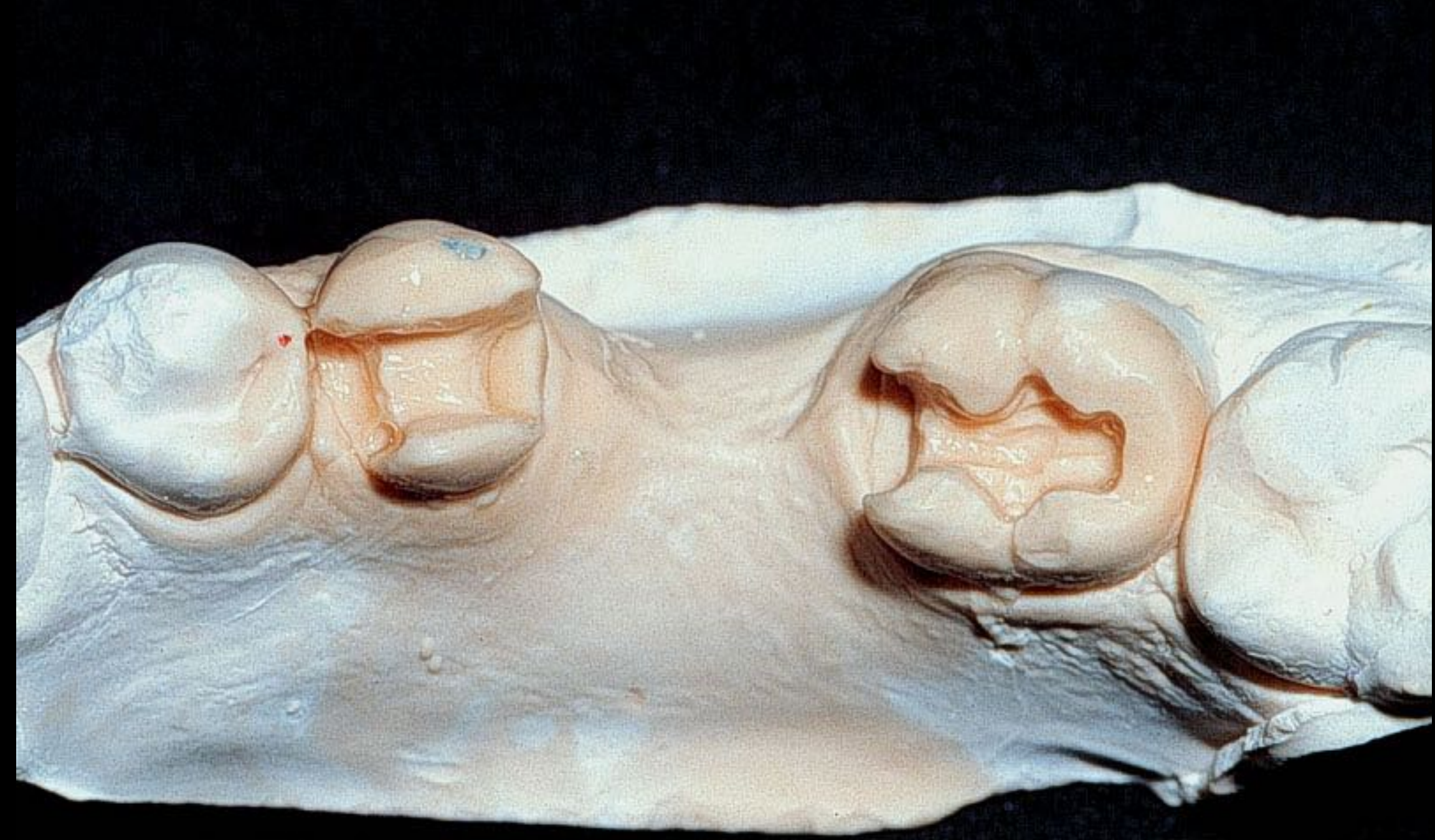








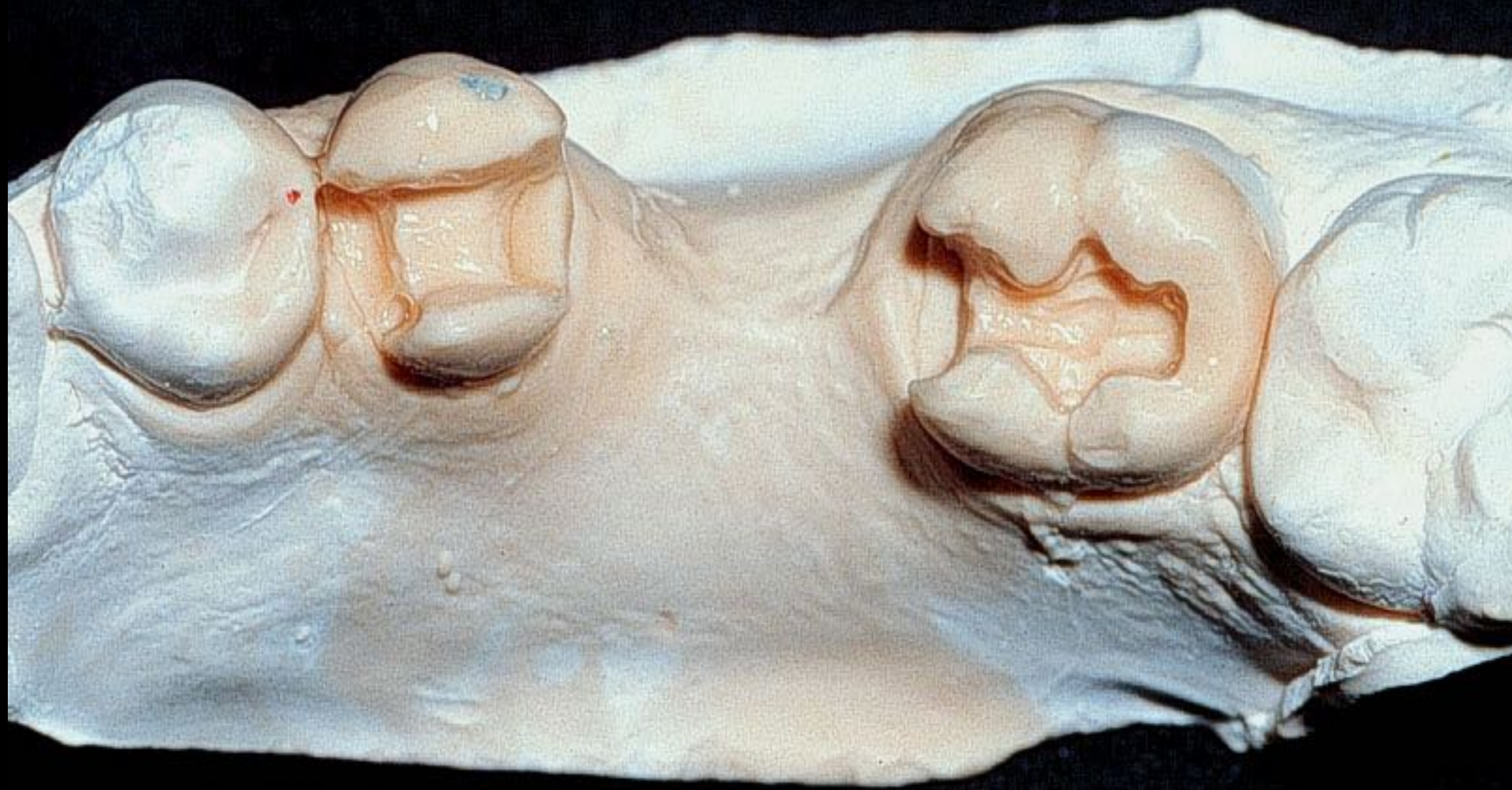








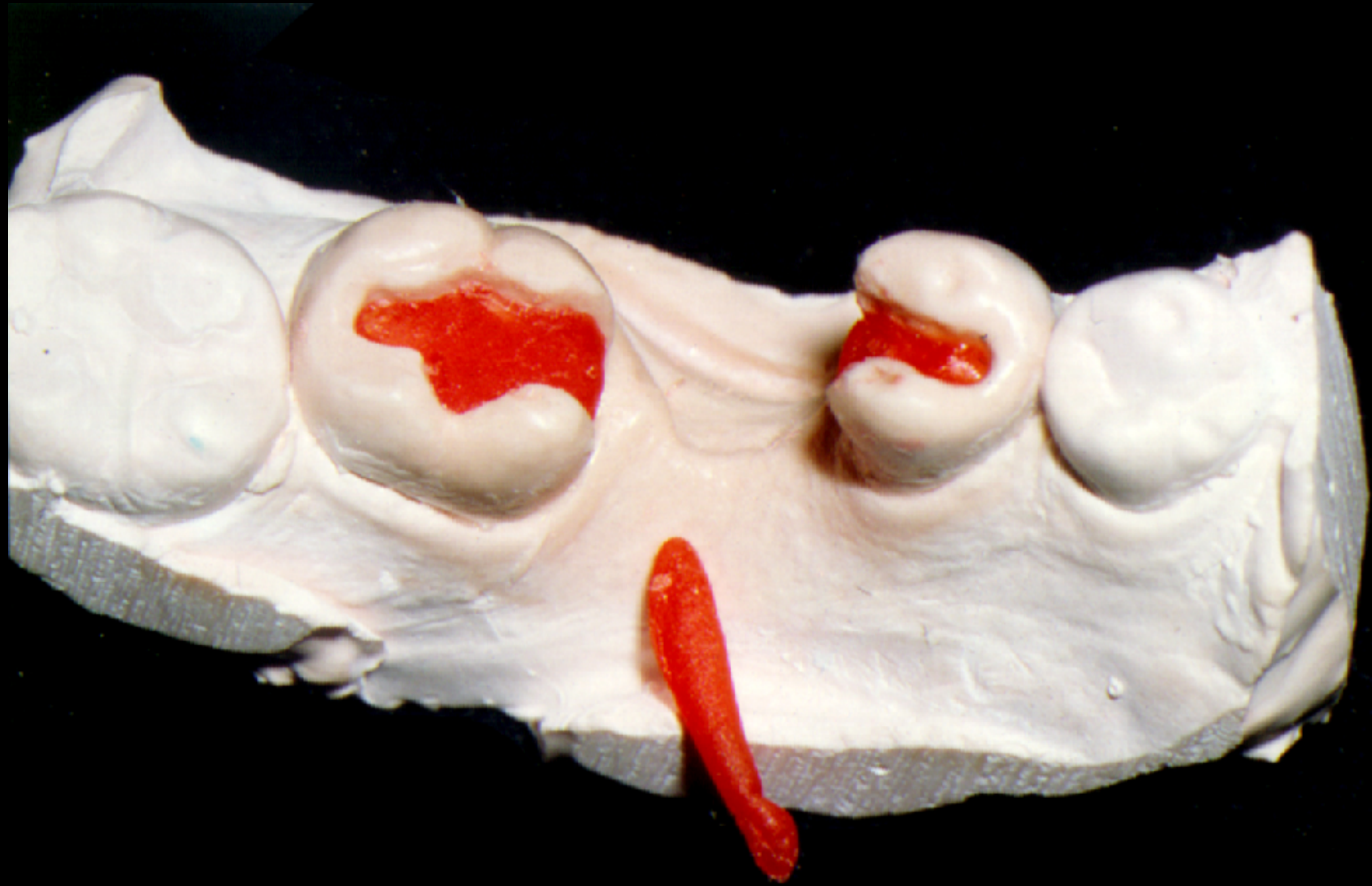








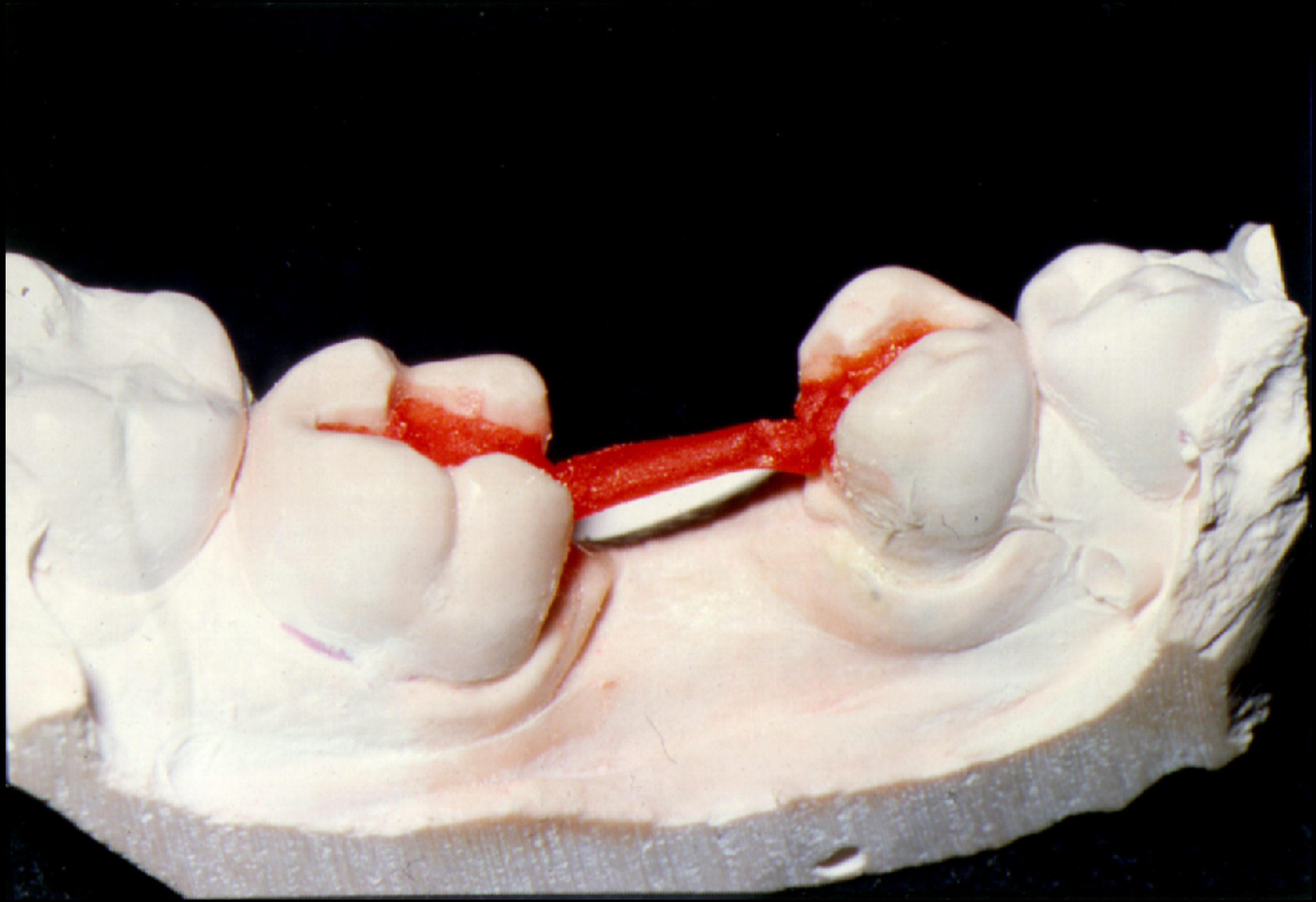




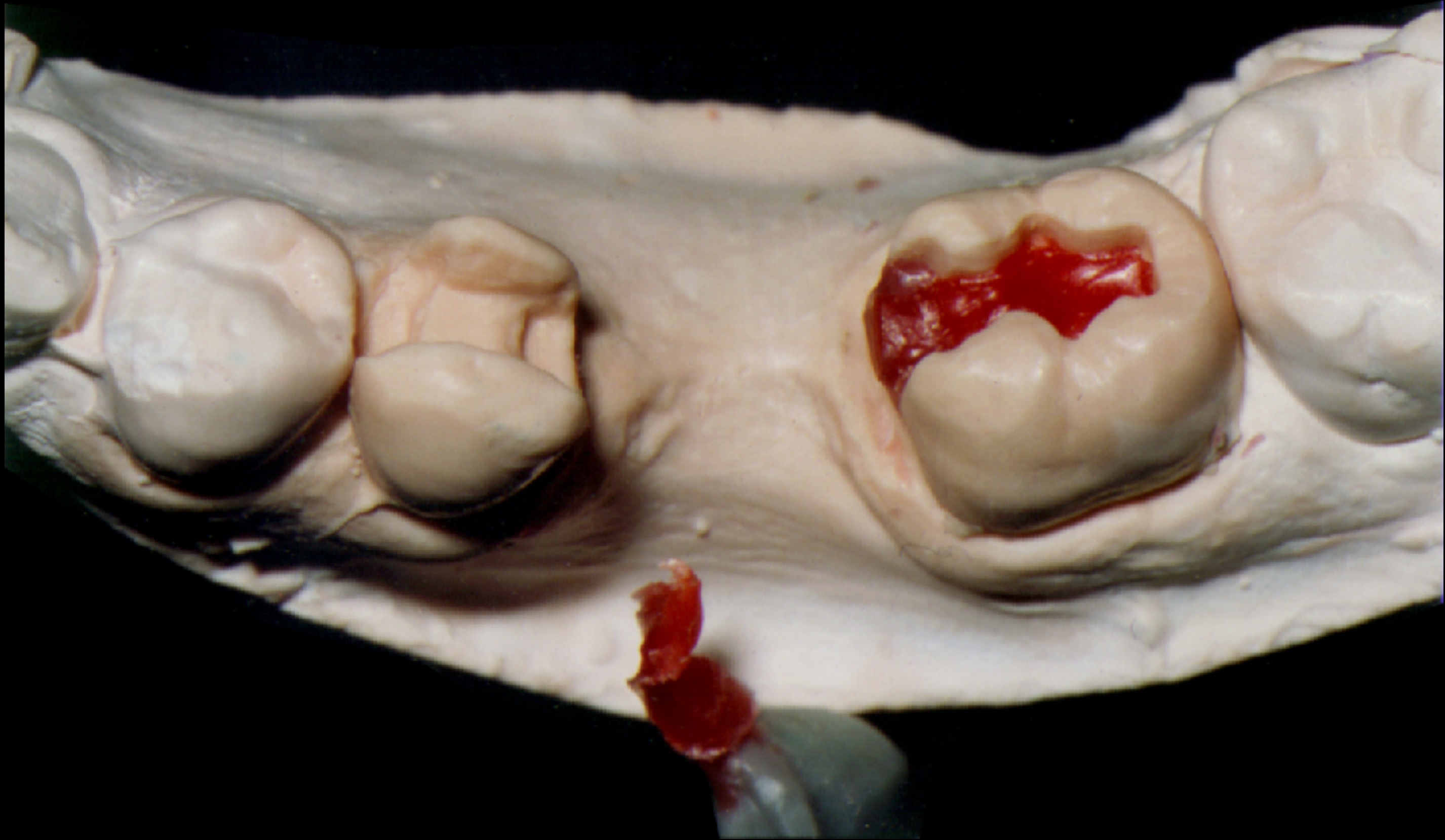




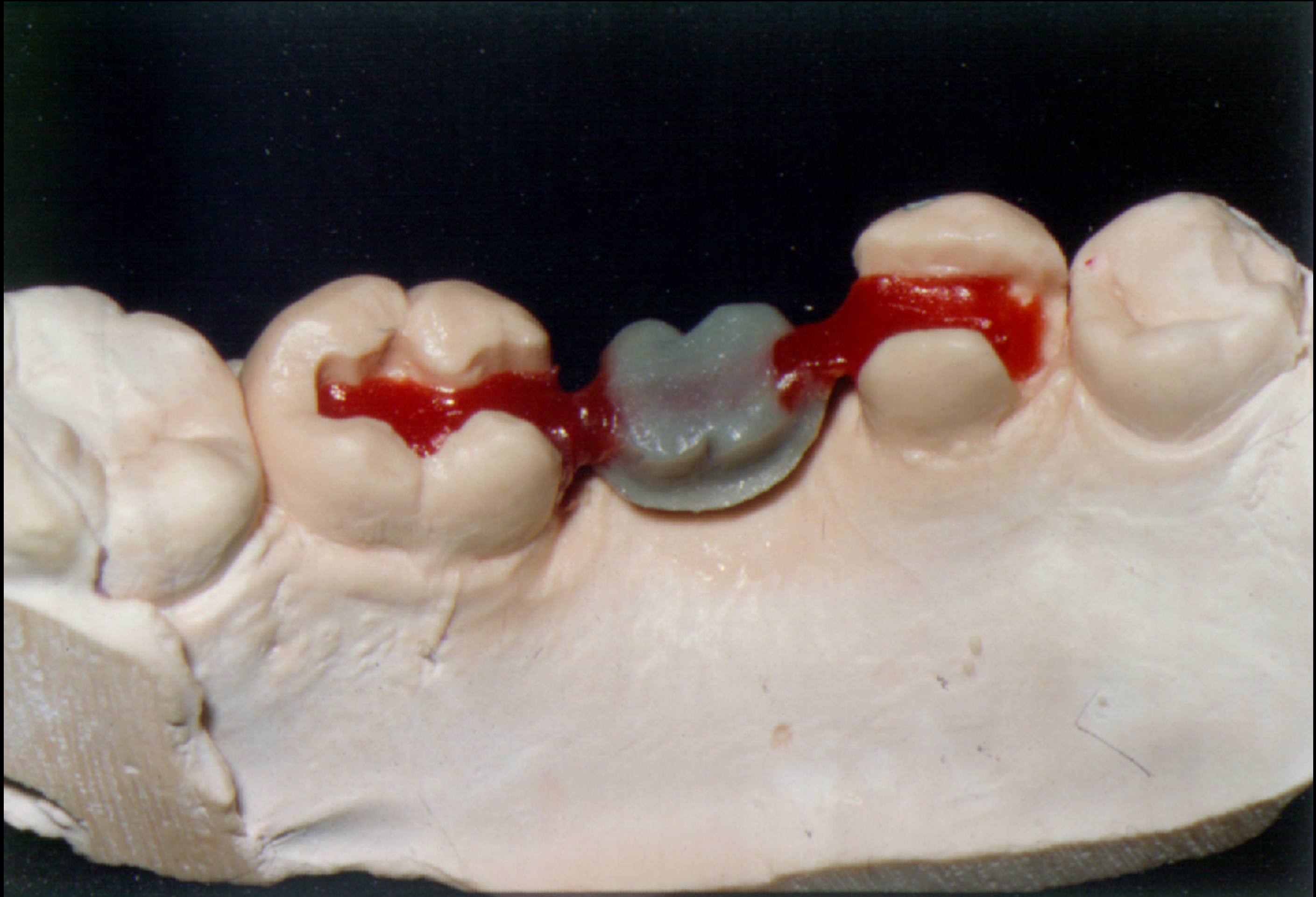




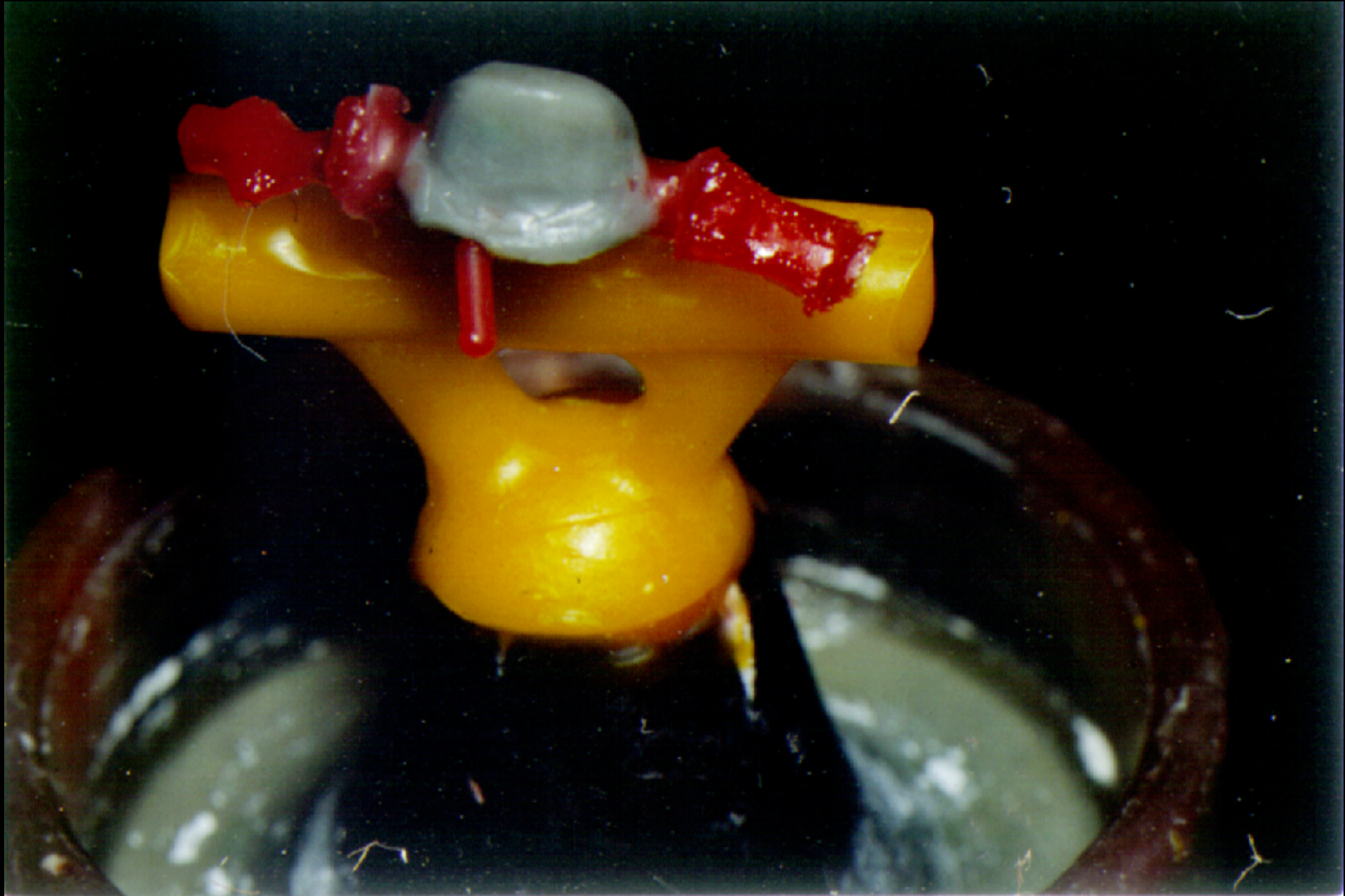






















































# Primer de Porcelanas Dentsply

Ácido Fluorídrico à 10%

Seringa com 2,5ml

Composição

Mantener al Abrigo  
de Calor y Humedad

Modo de Usar,  
Composição e Precauções:  
Vide Bula





# CIMENTAÇÃO

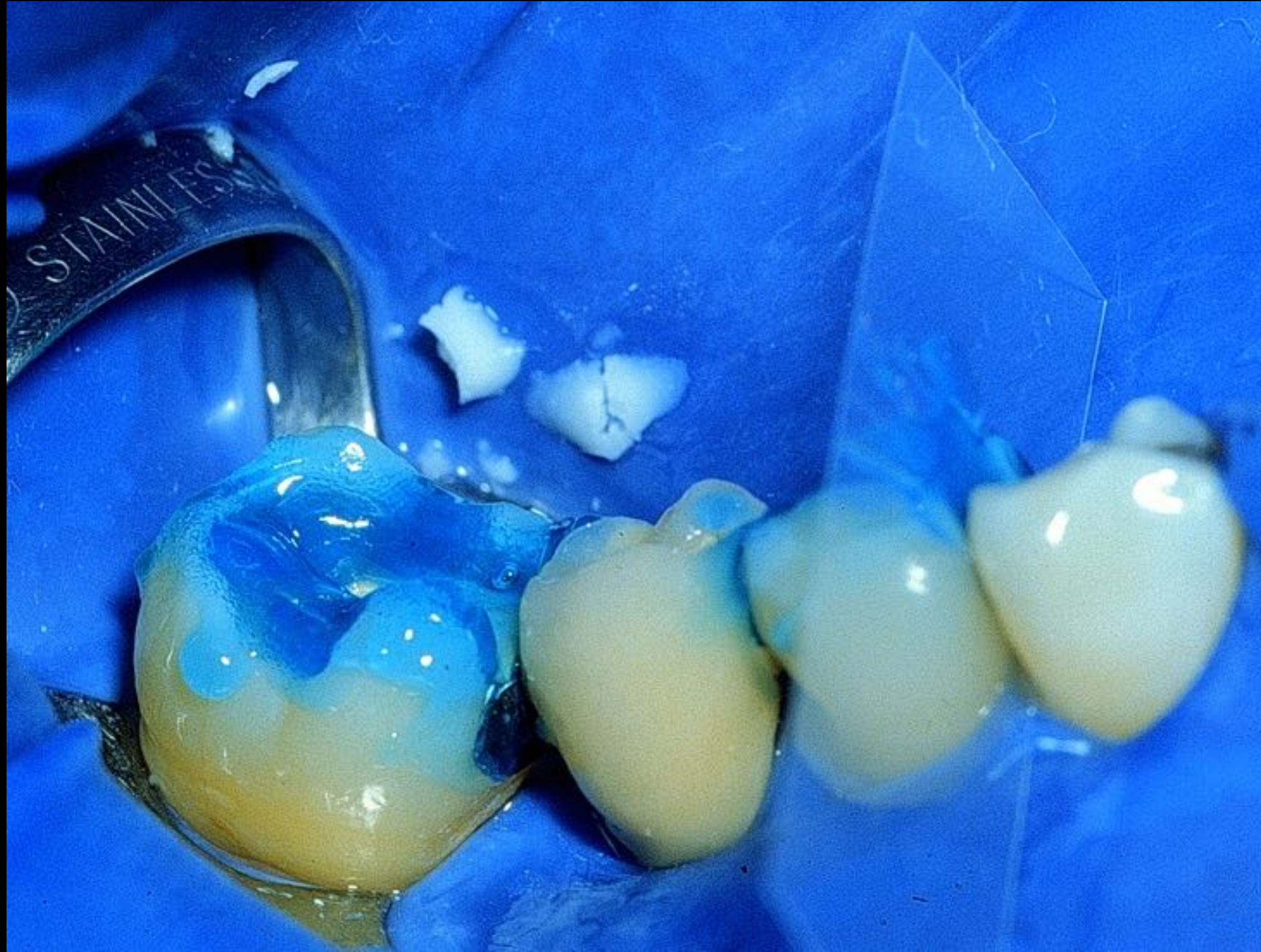


**Cimentos Convencionais:**

**Fosfato de zinco**

**Ionômero de vidro**





















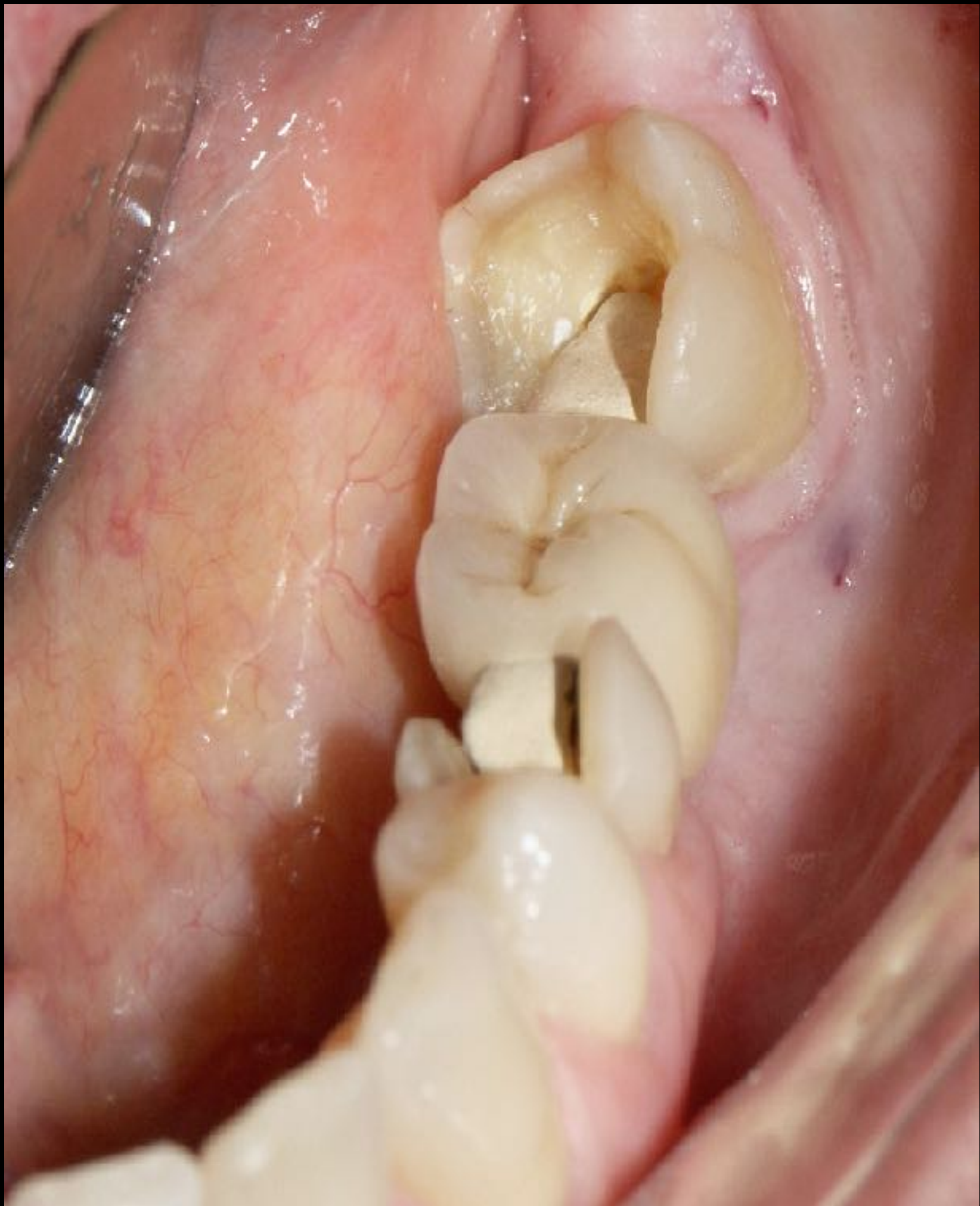














# CIMENTAÇÃO





# CIMENTAÇÃO



ento  
noso



# CIMENTAÇÃO



ento  
oso





















4a.





















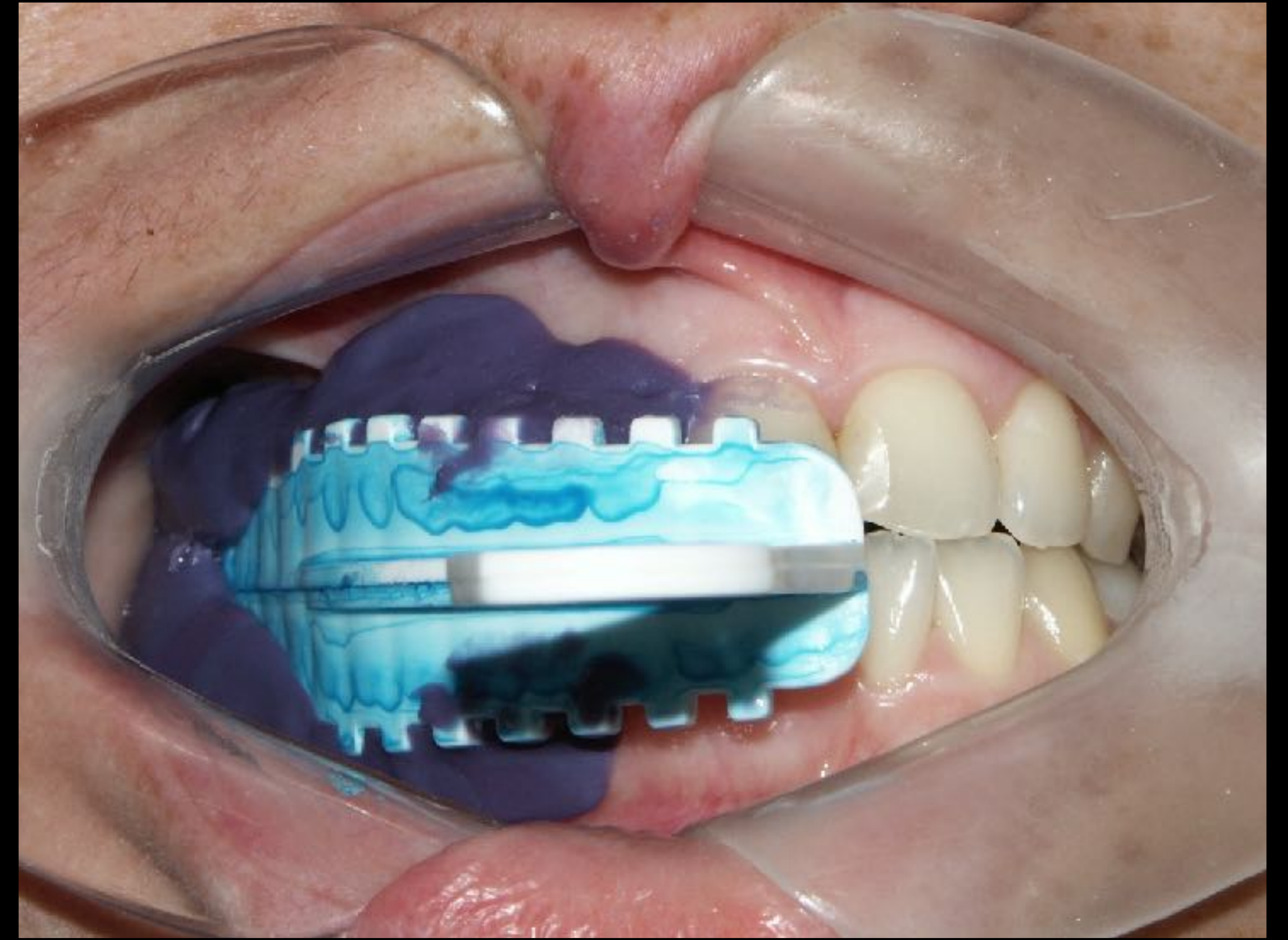
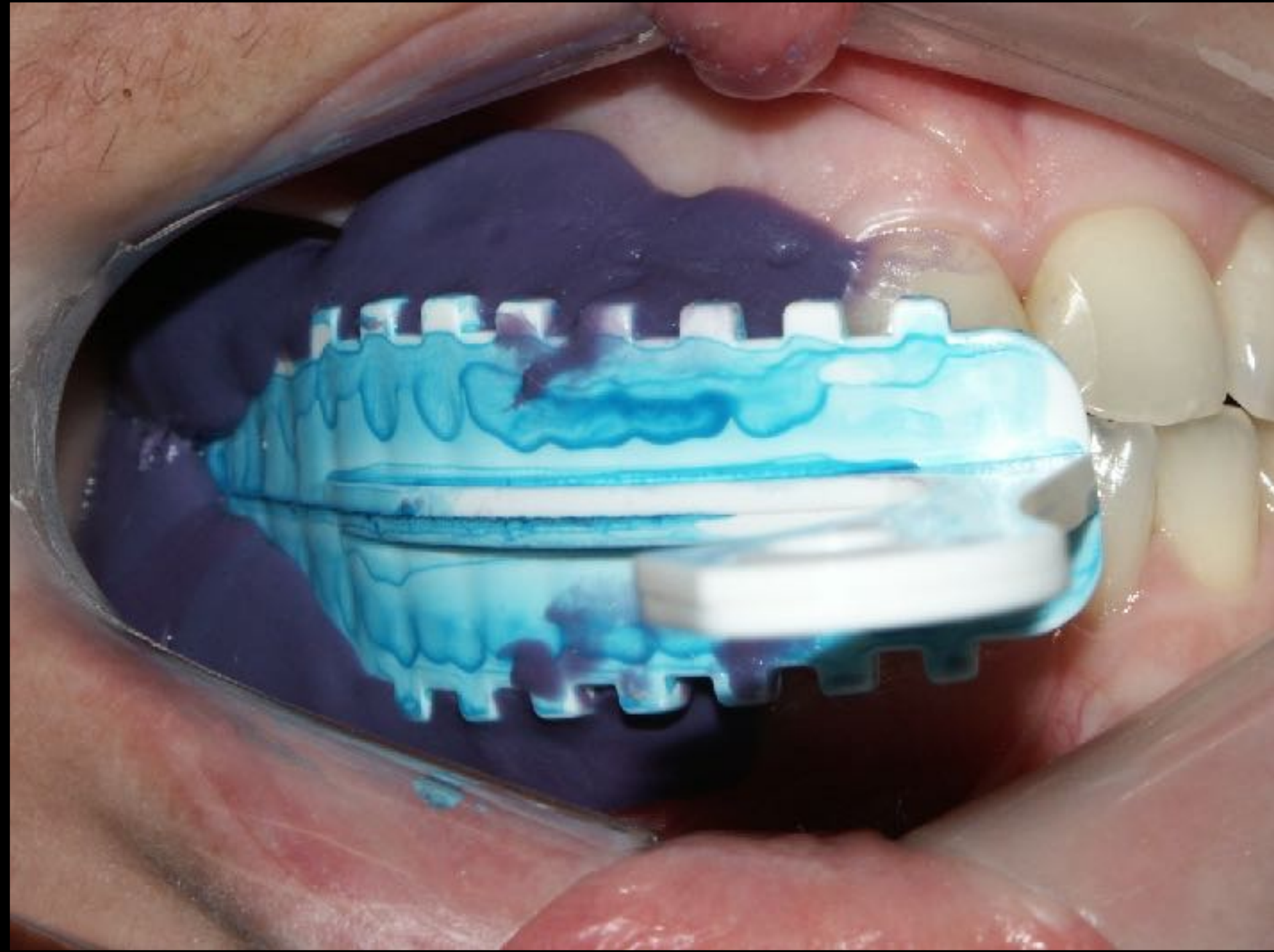




















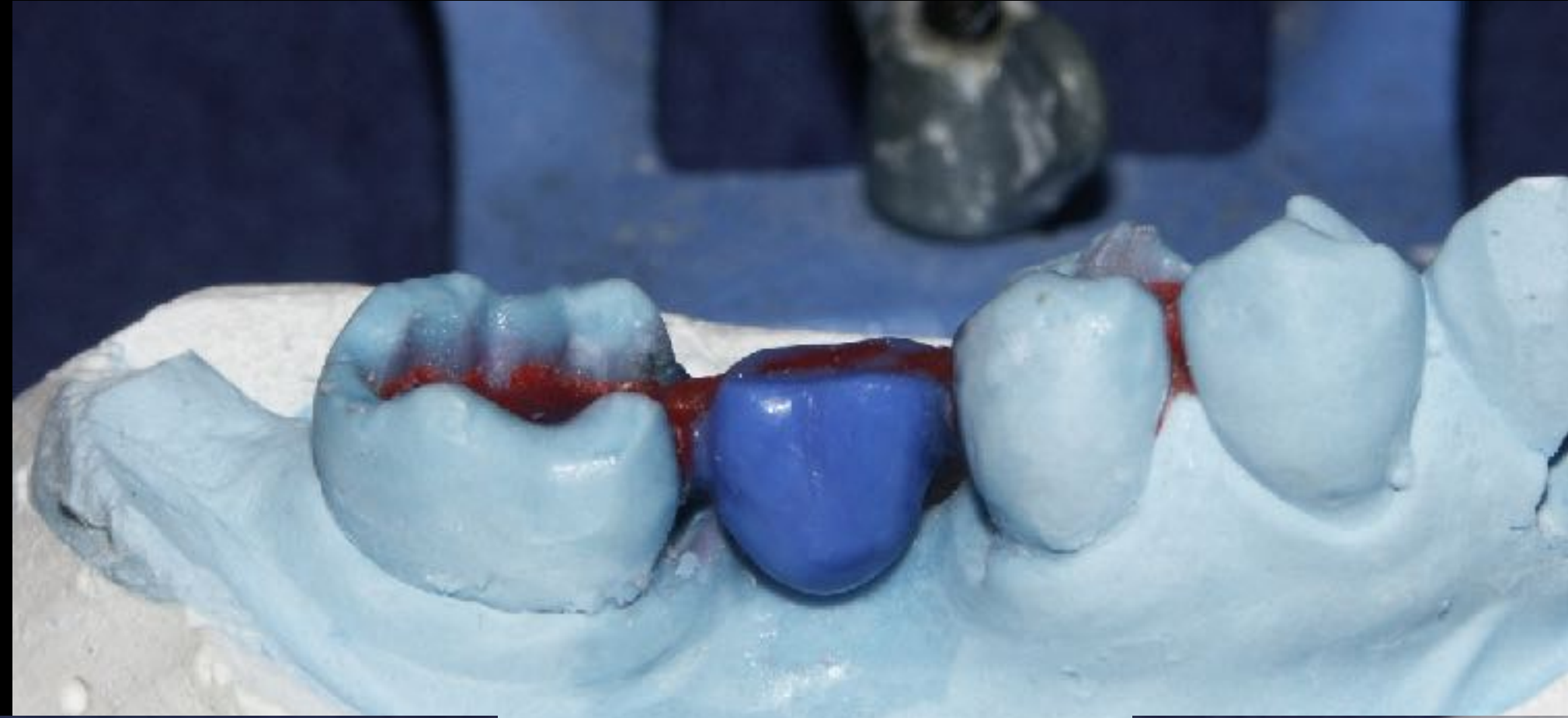












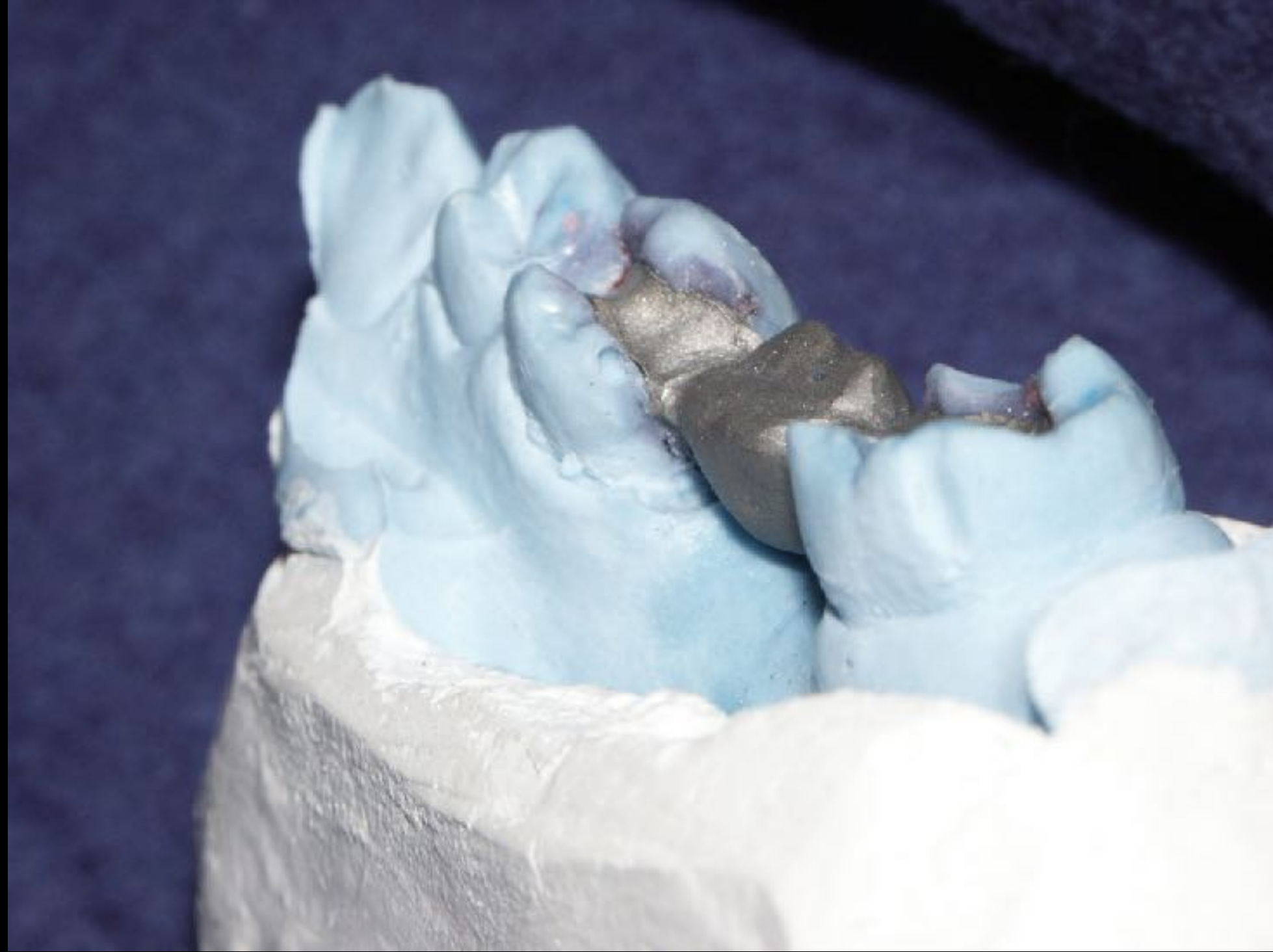




















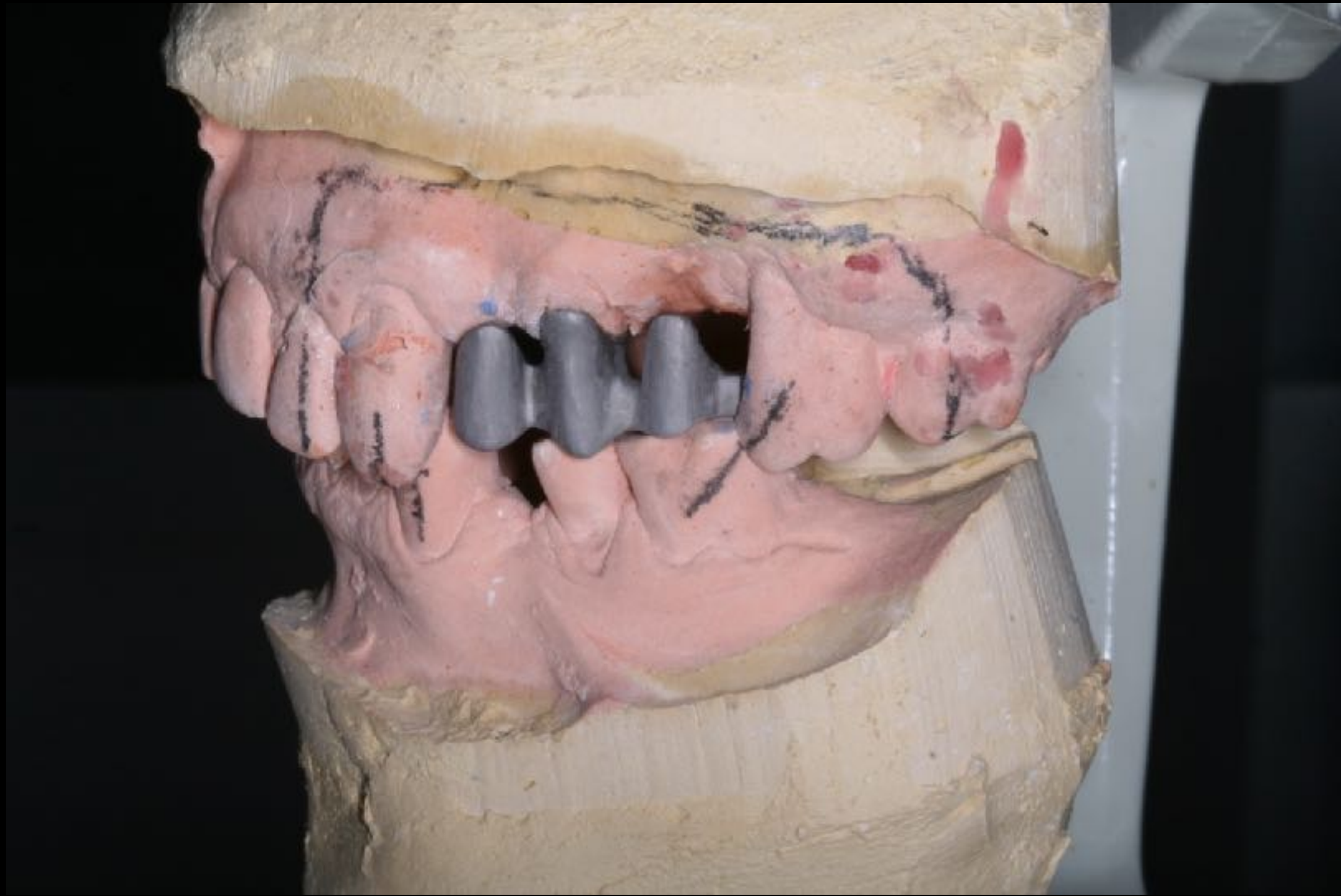




















































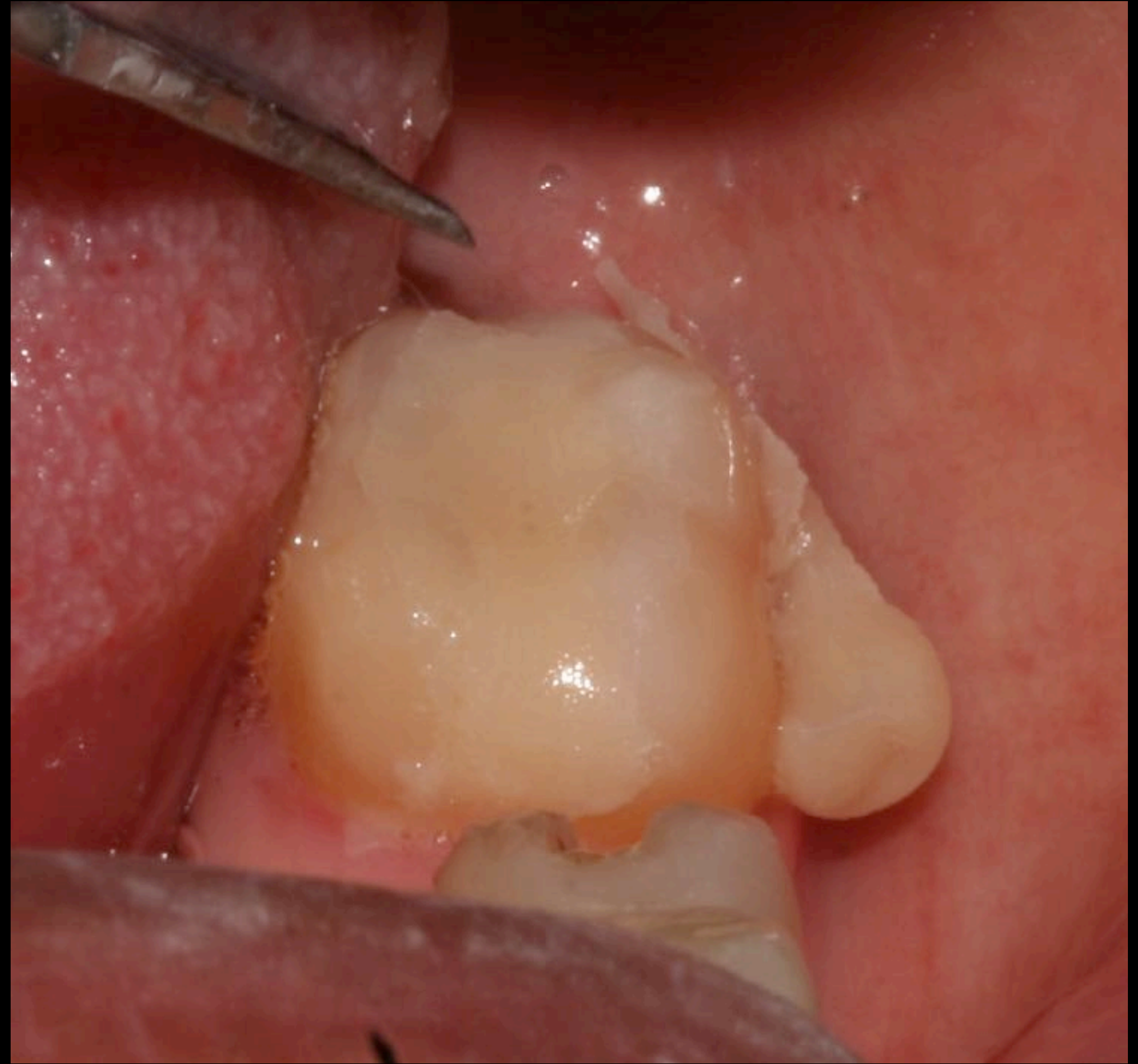
















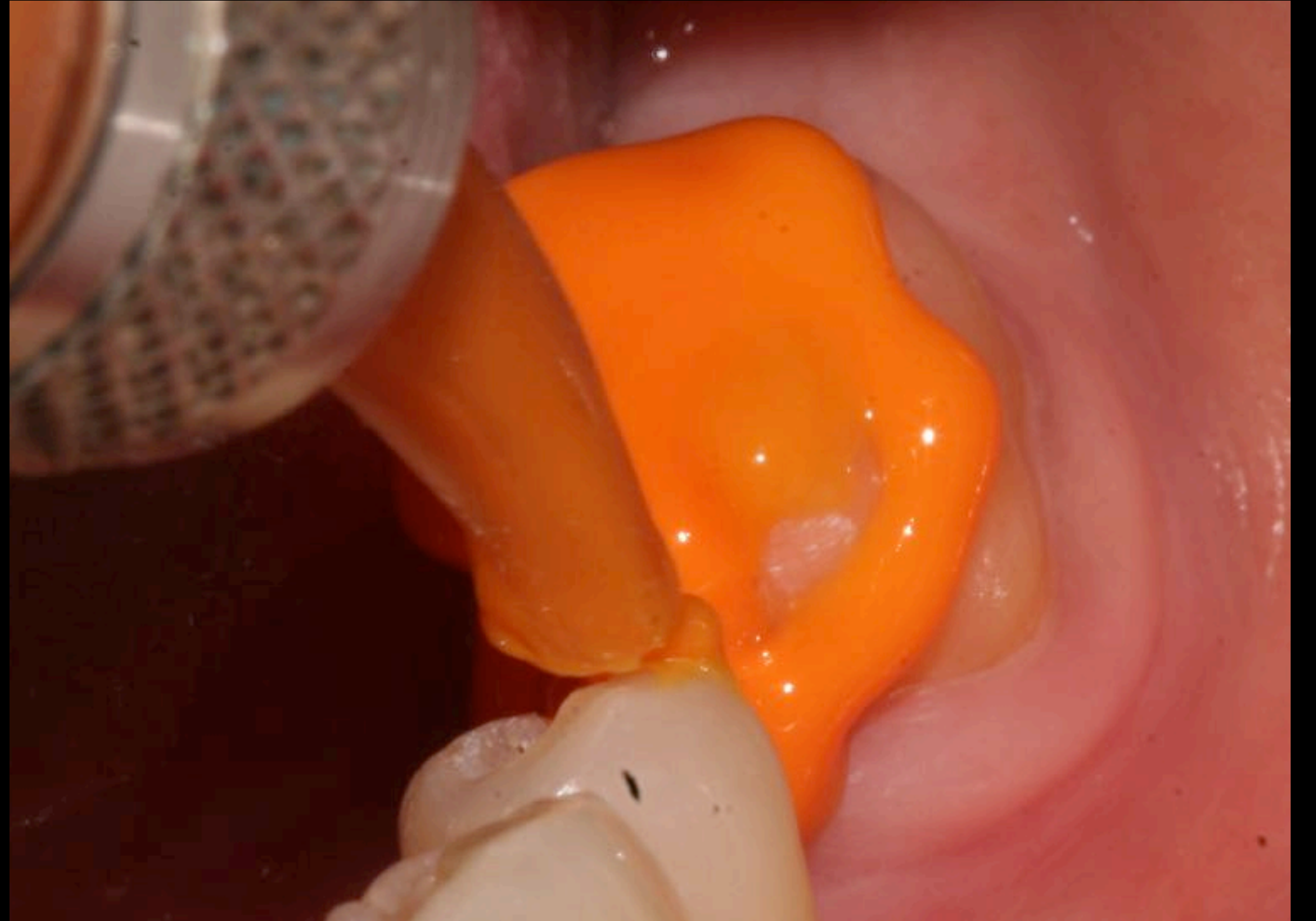
































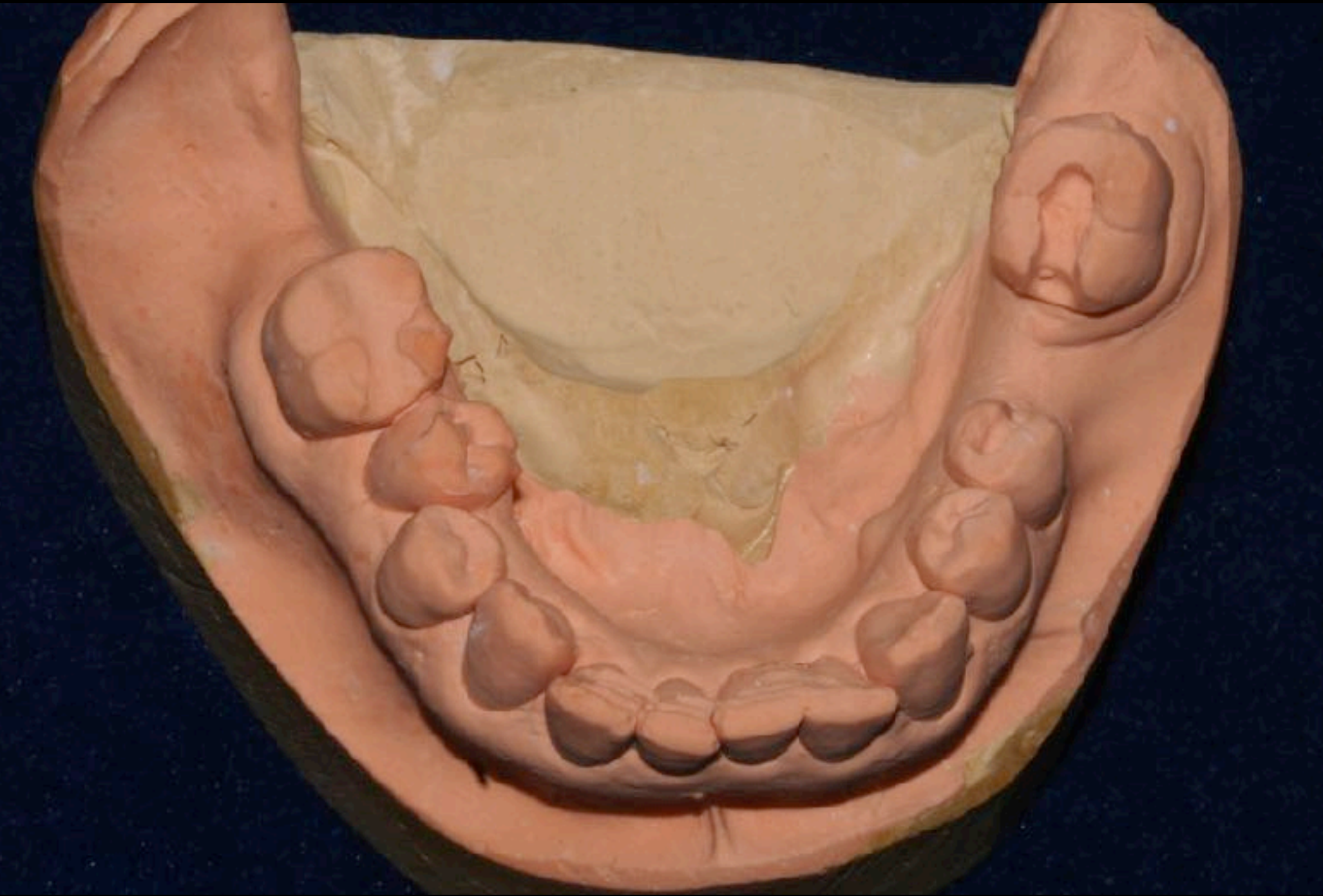




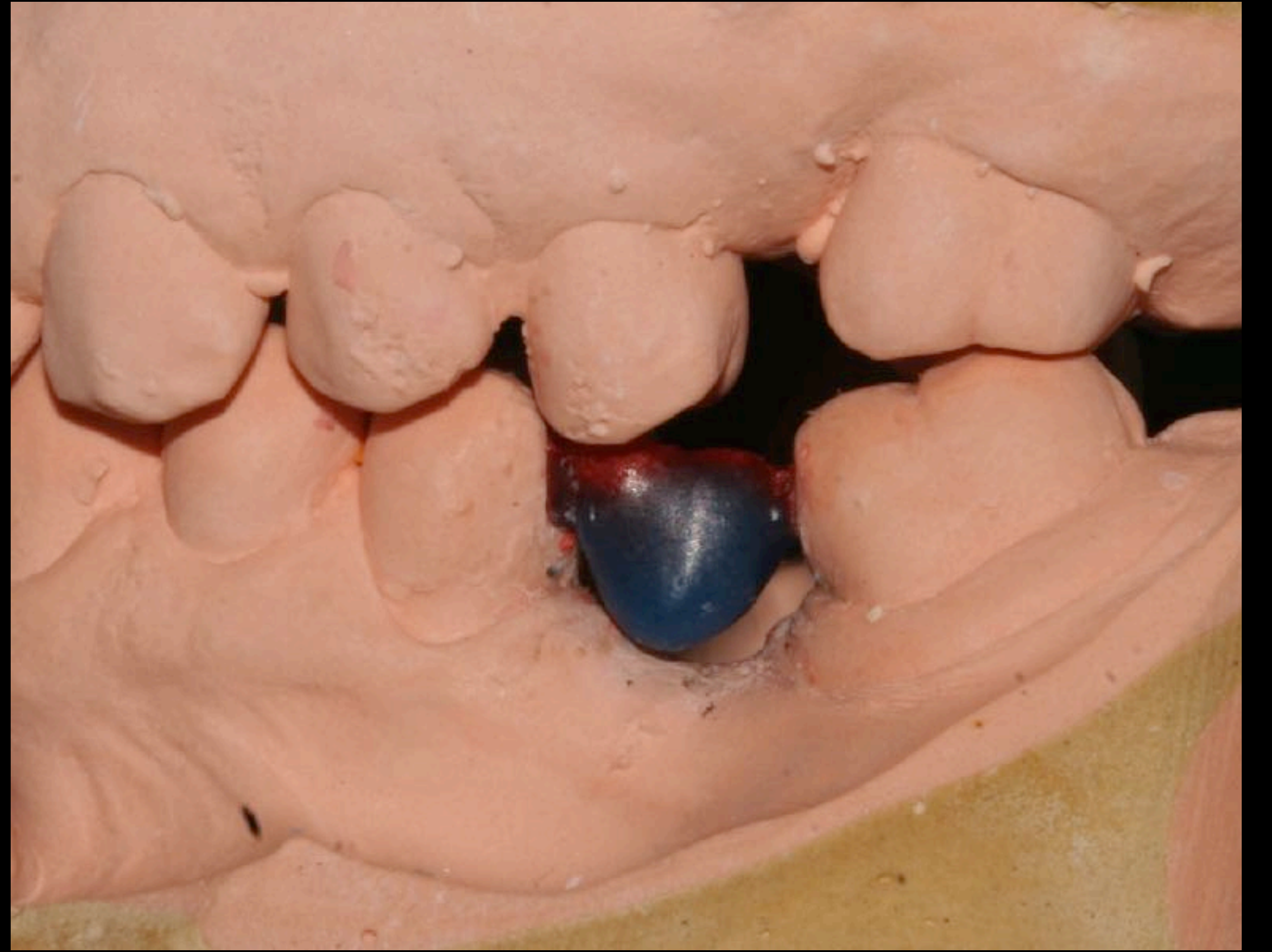
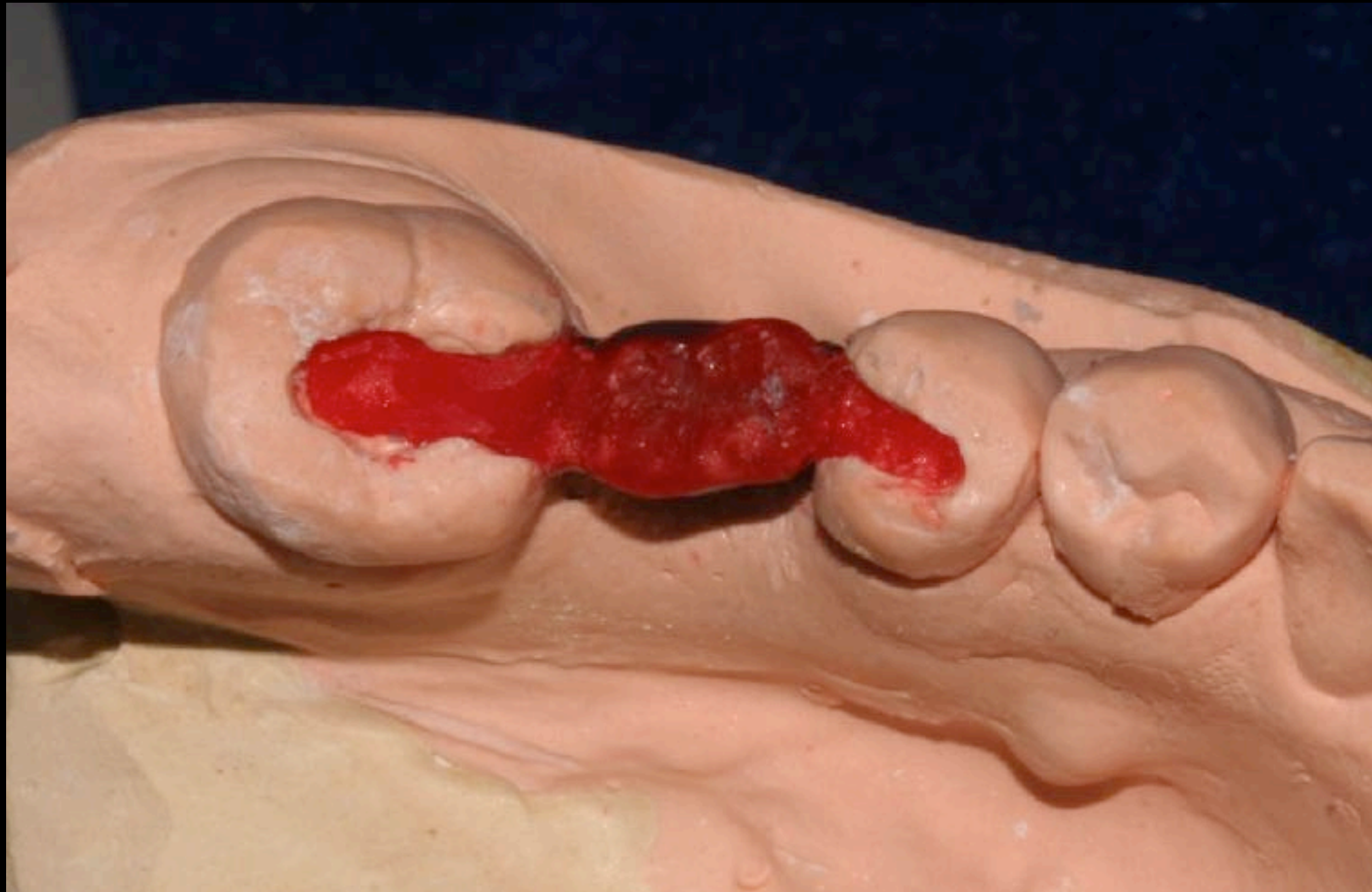












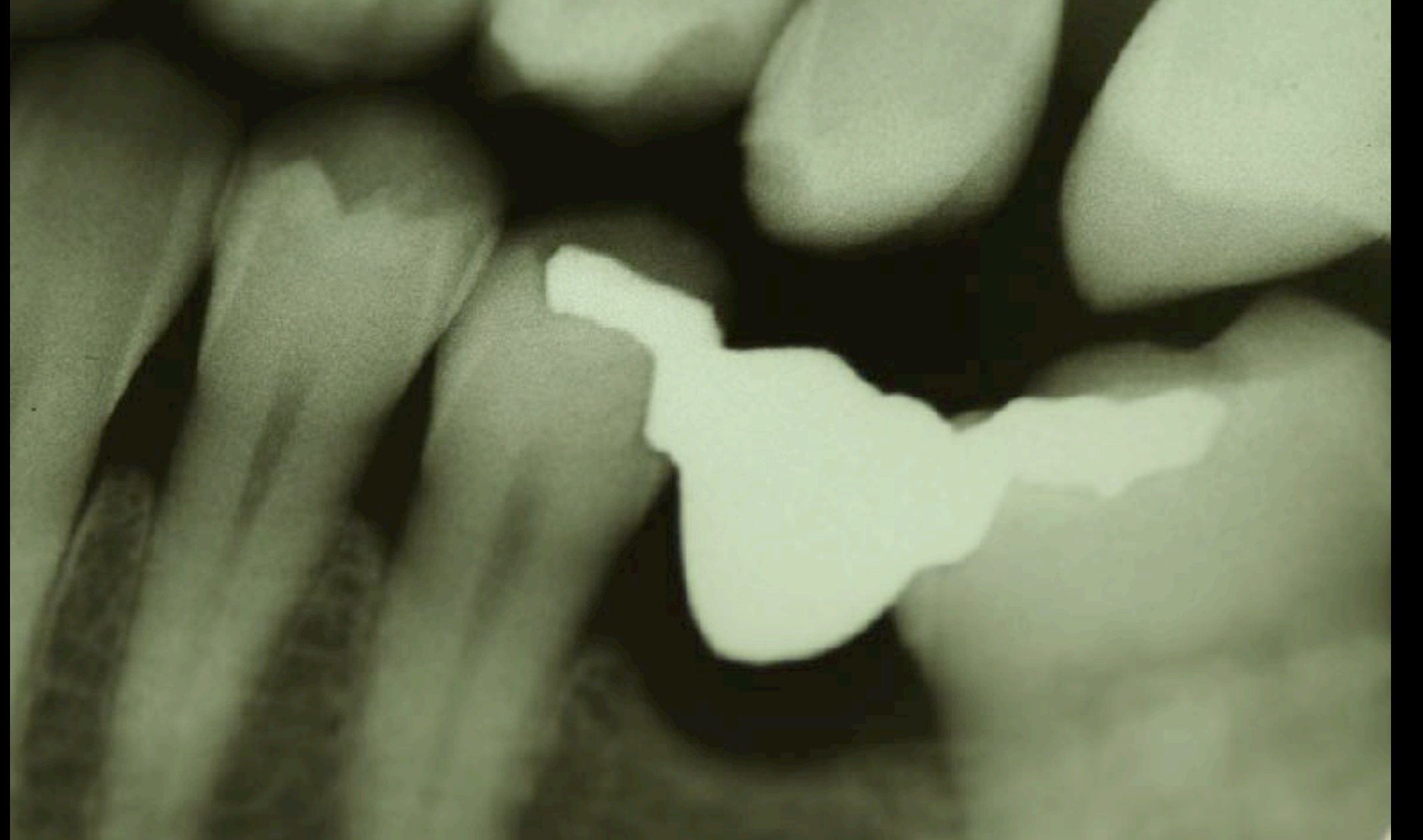












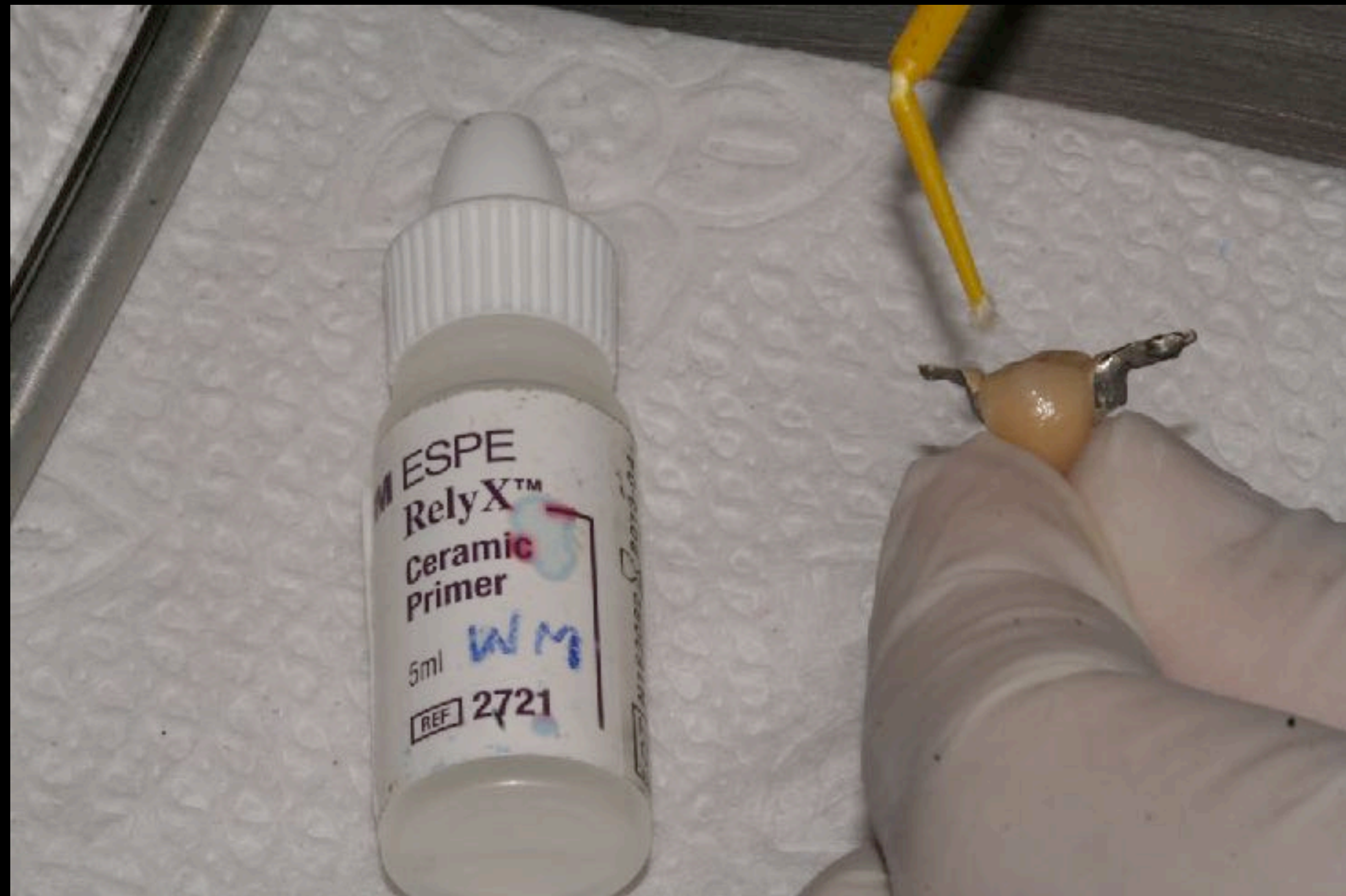








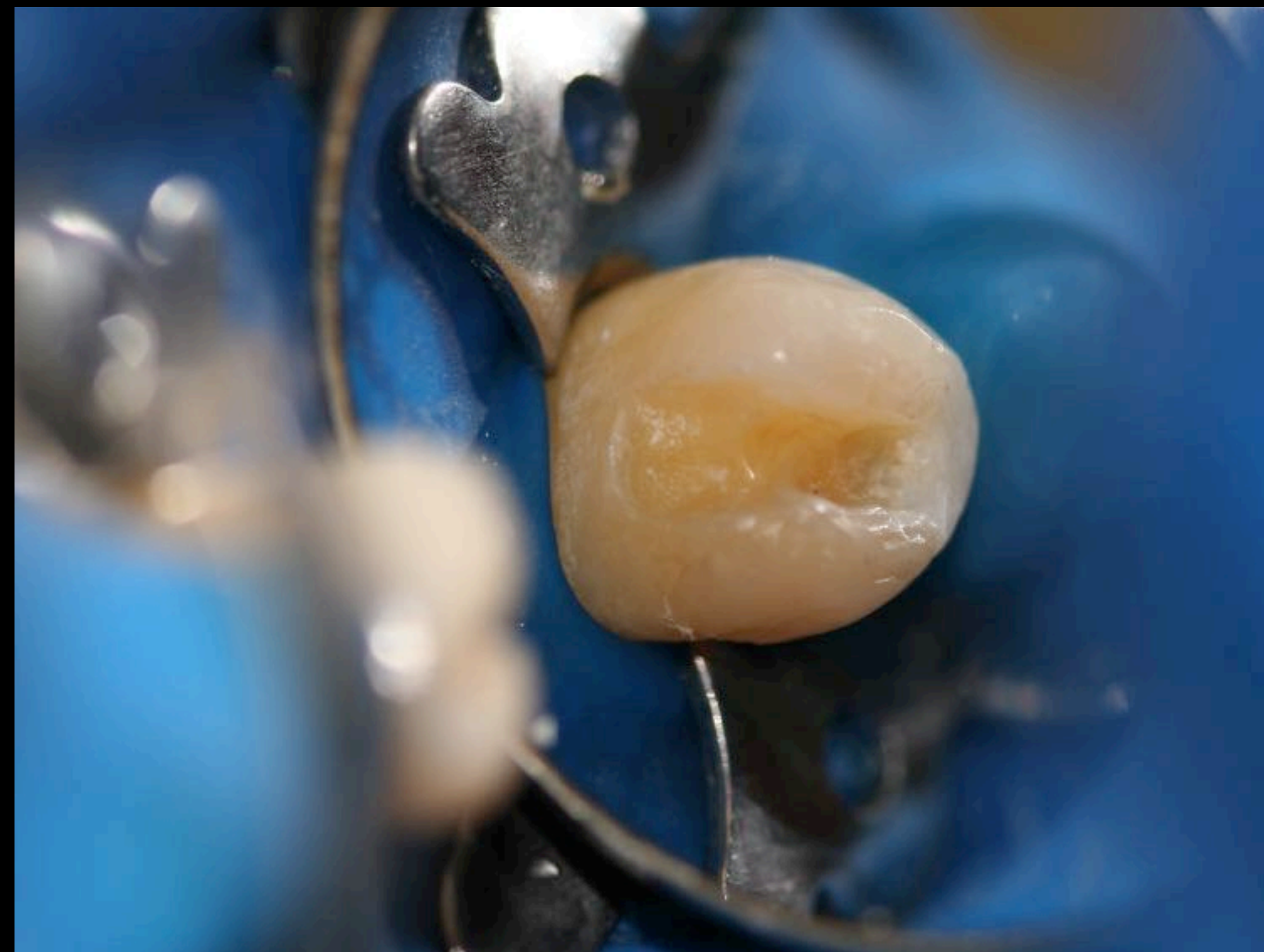




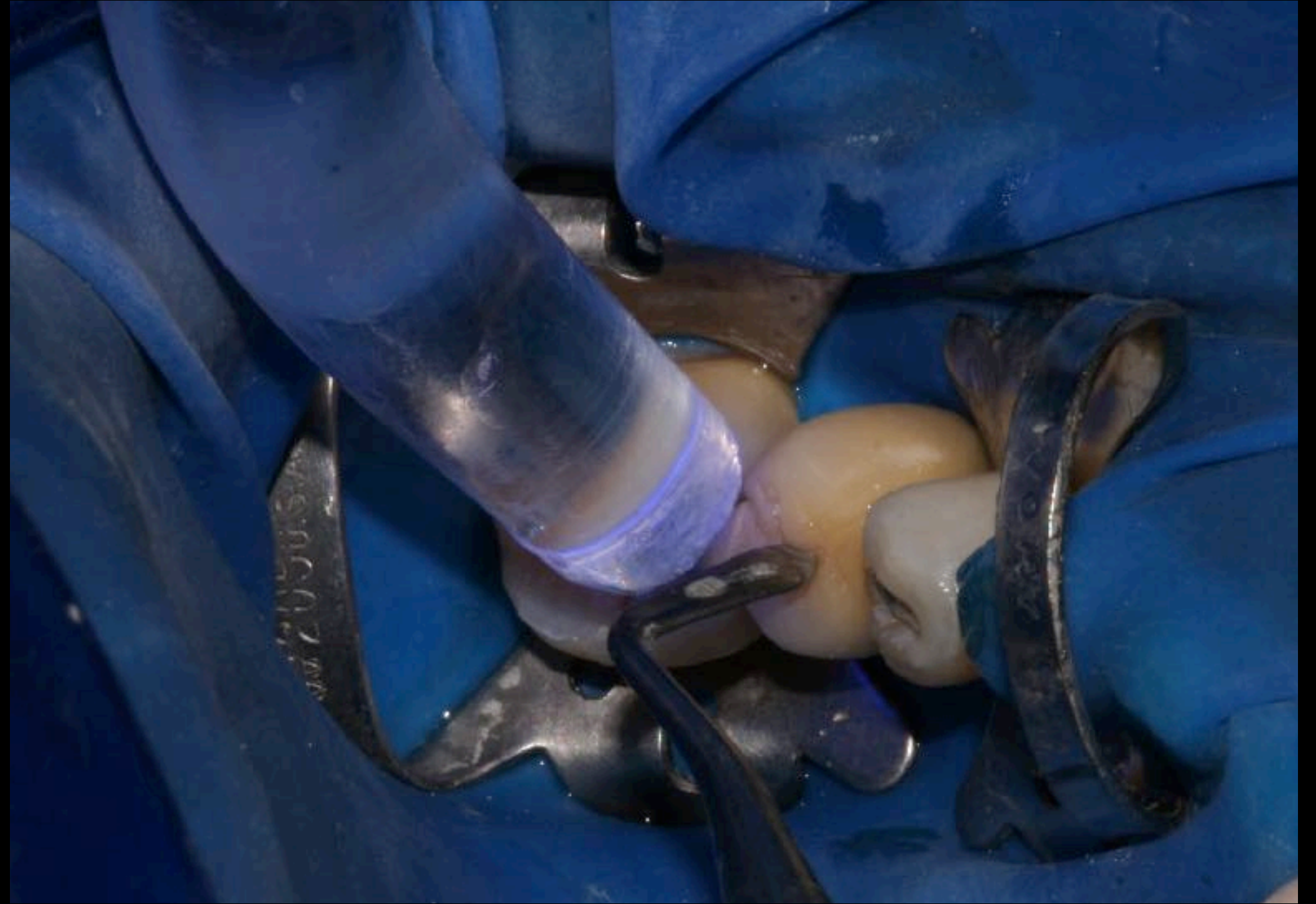
















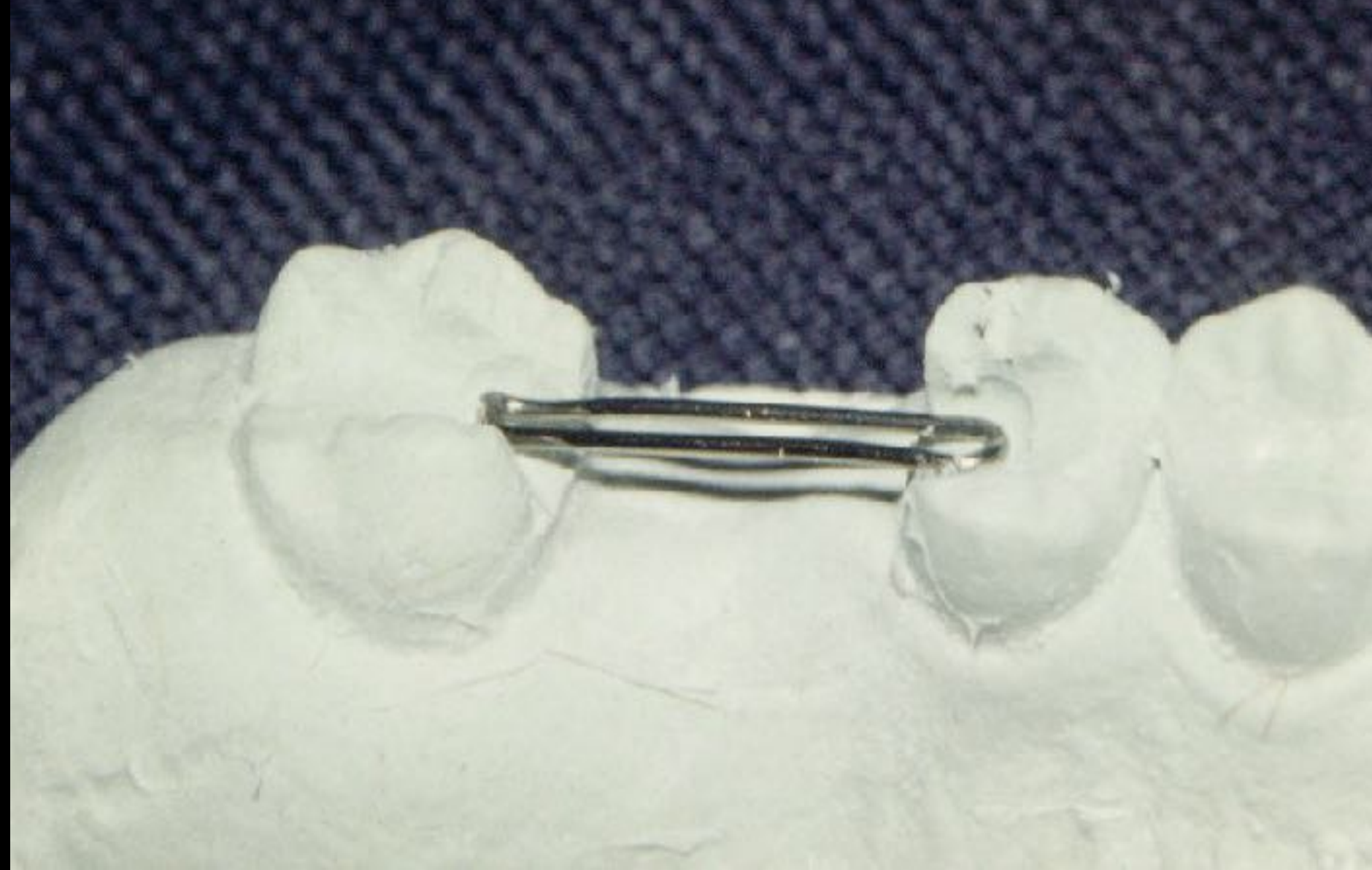








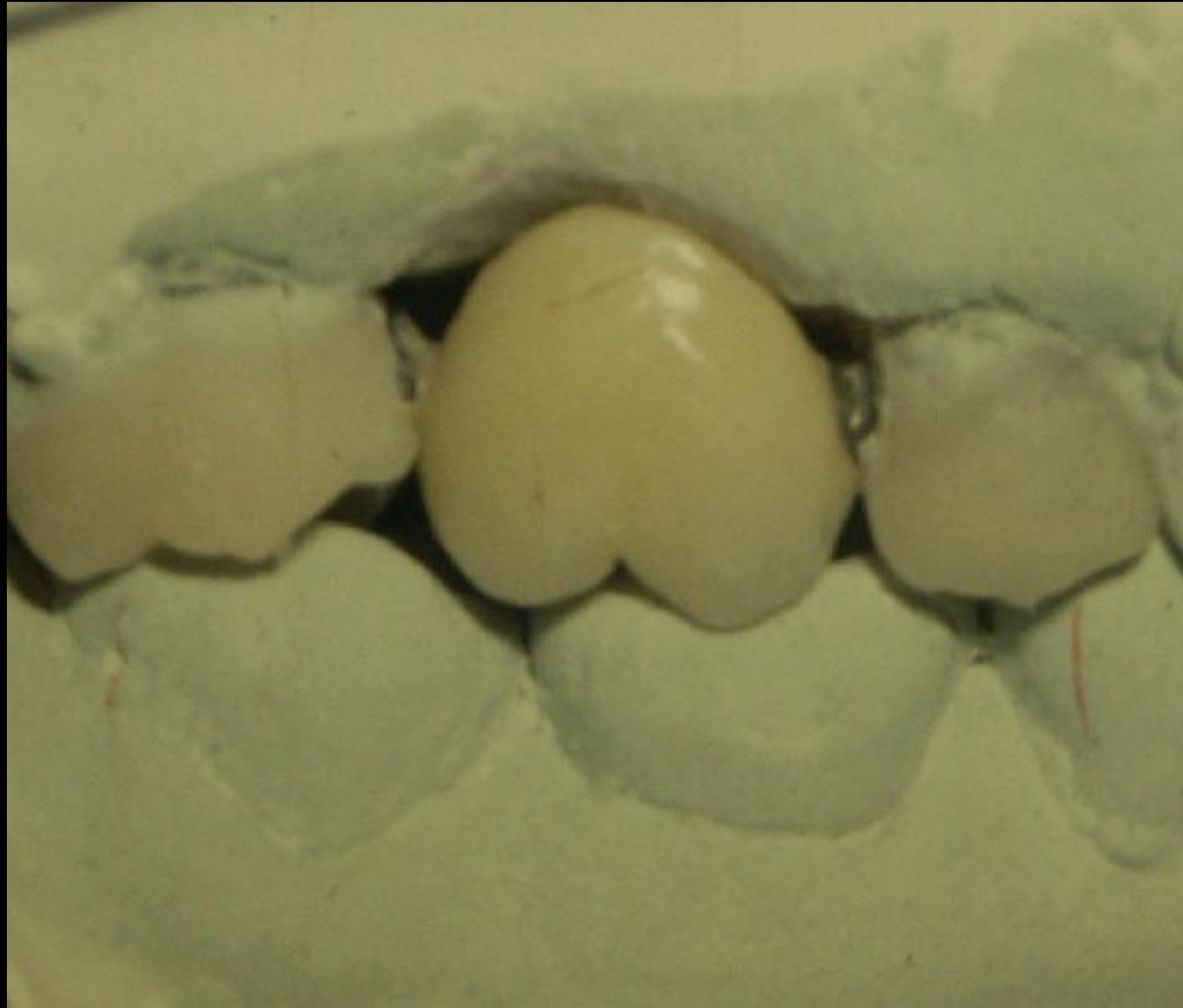




























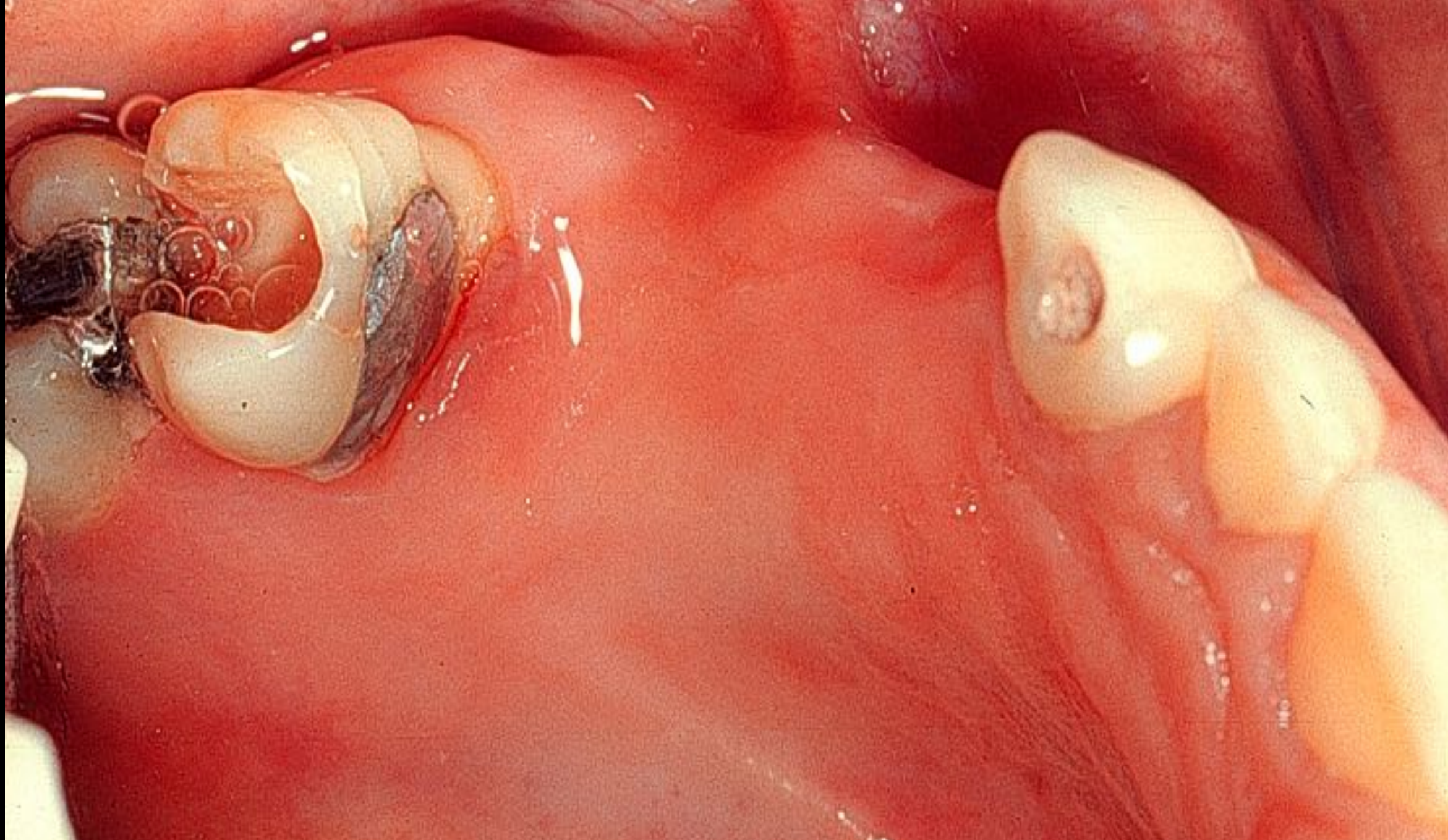
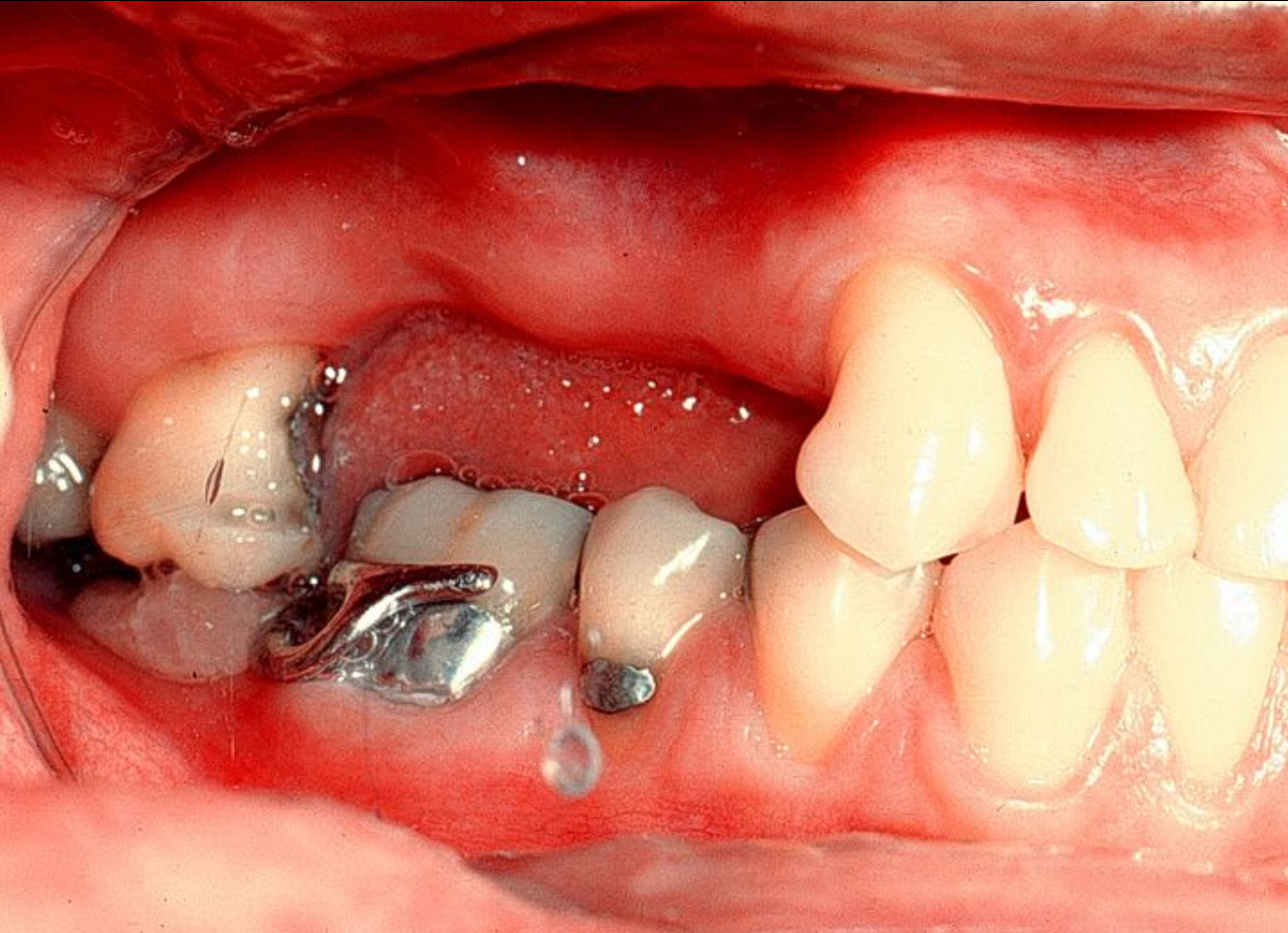




















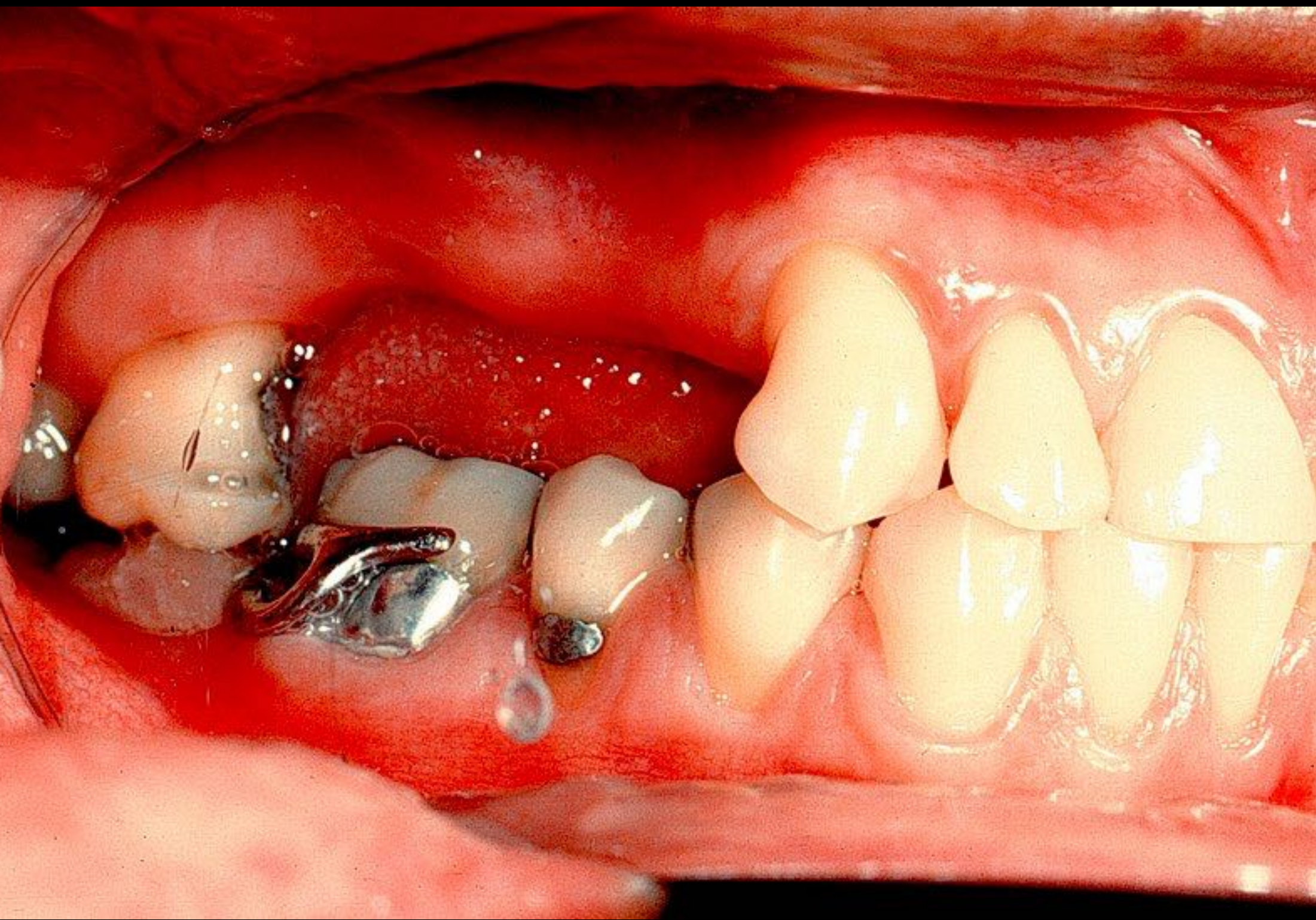
















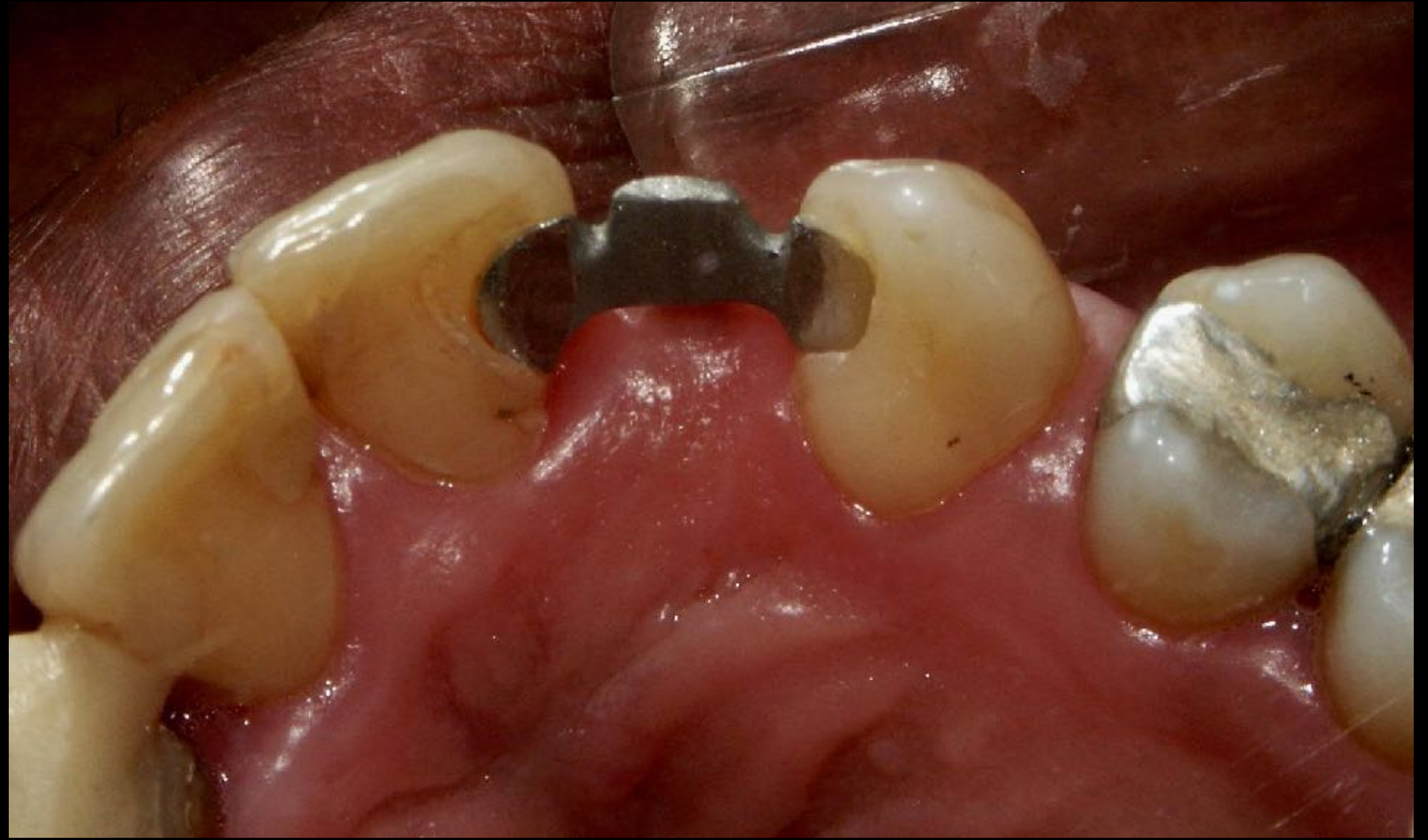




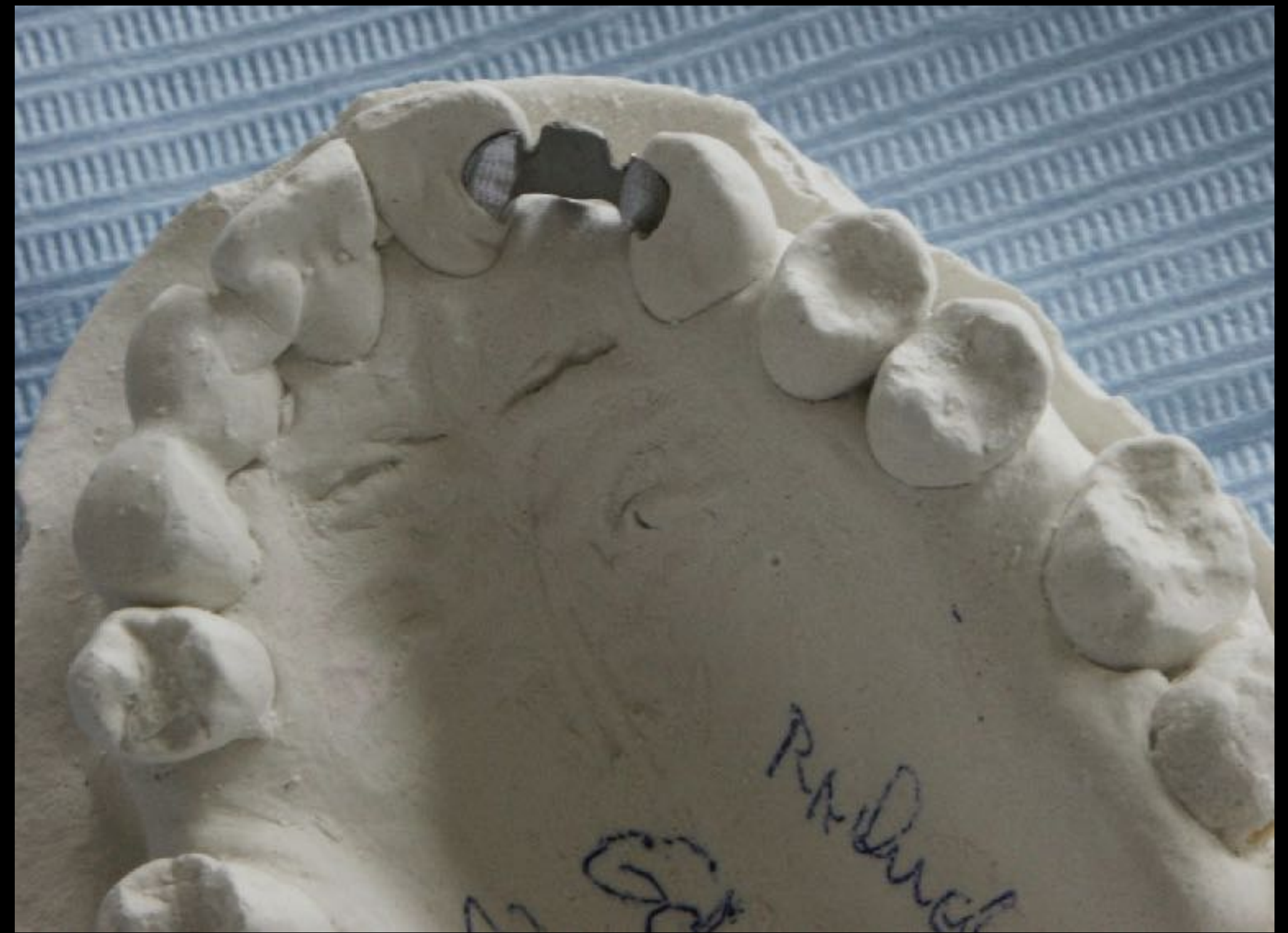
































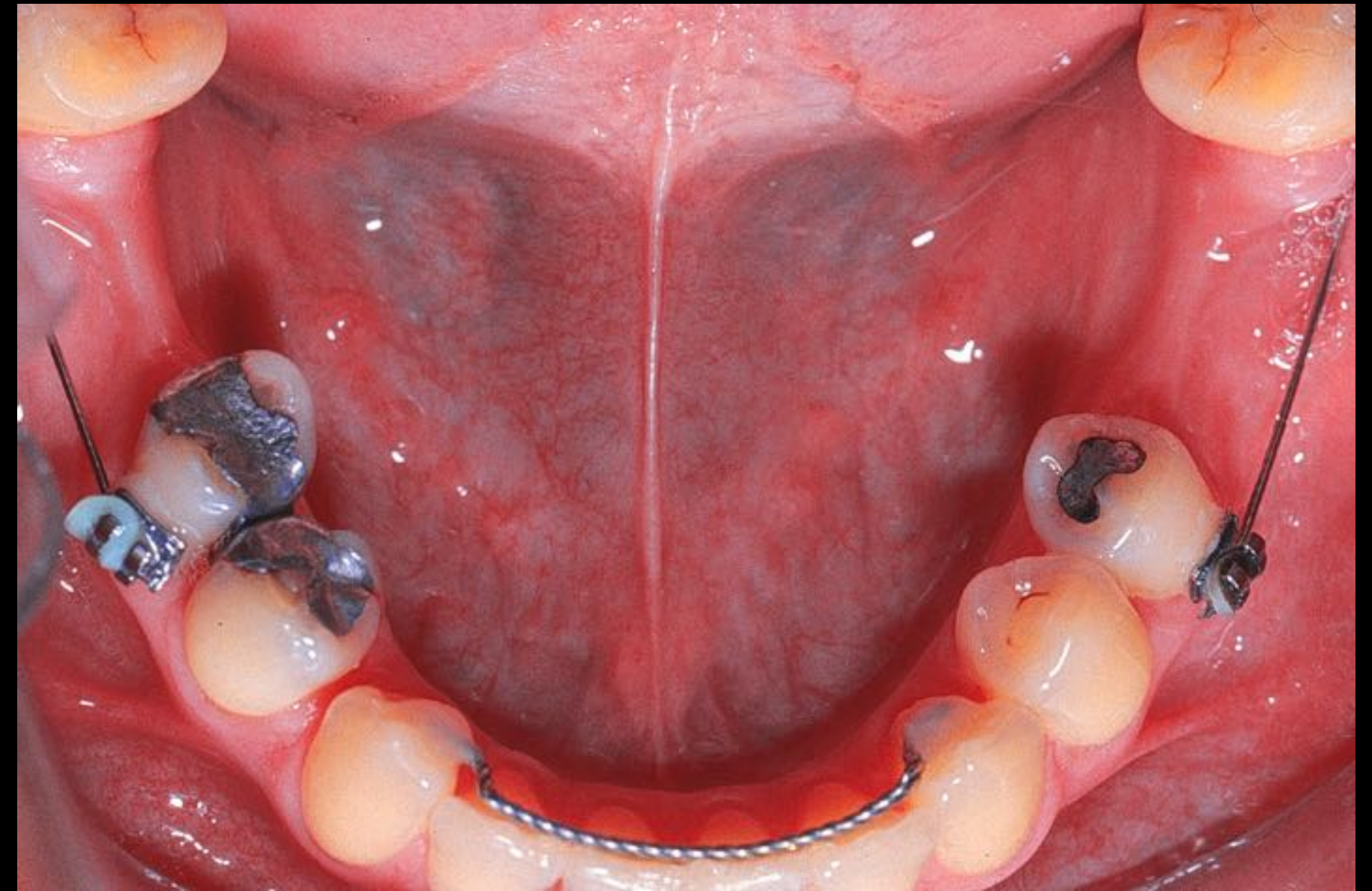




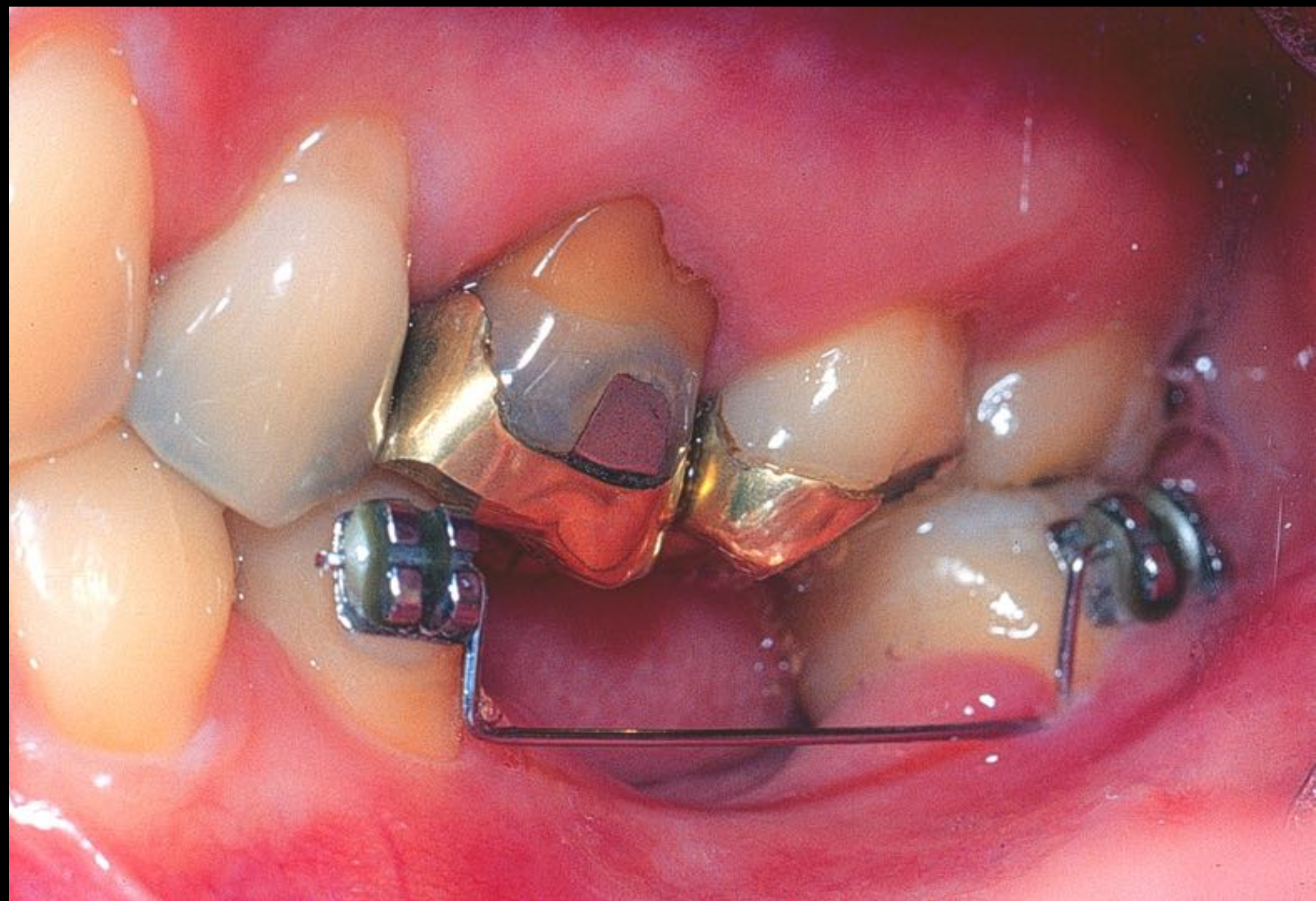
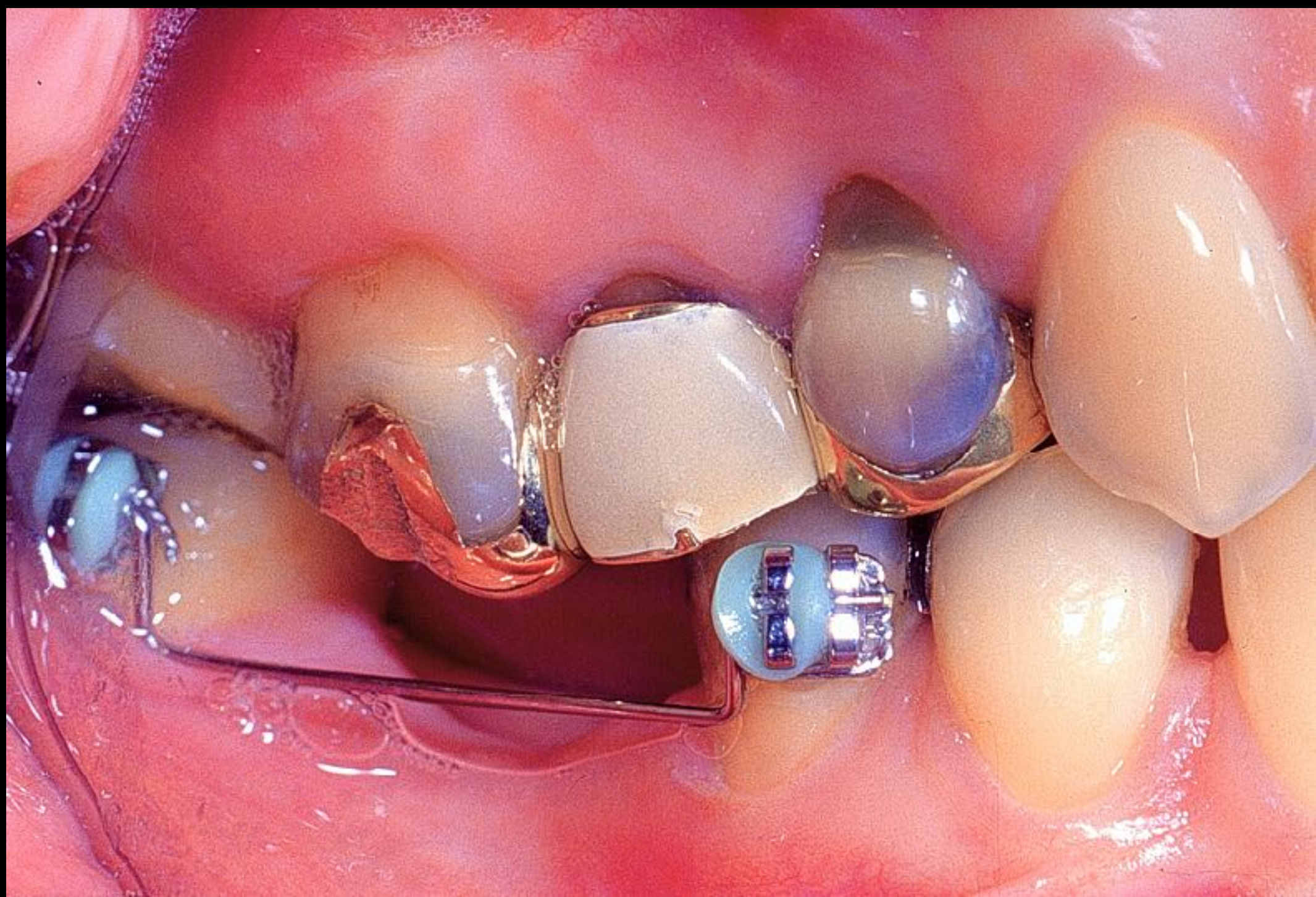




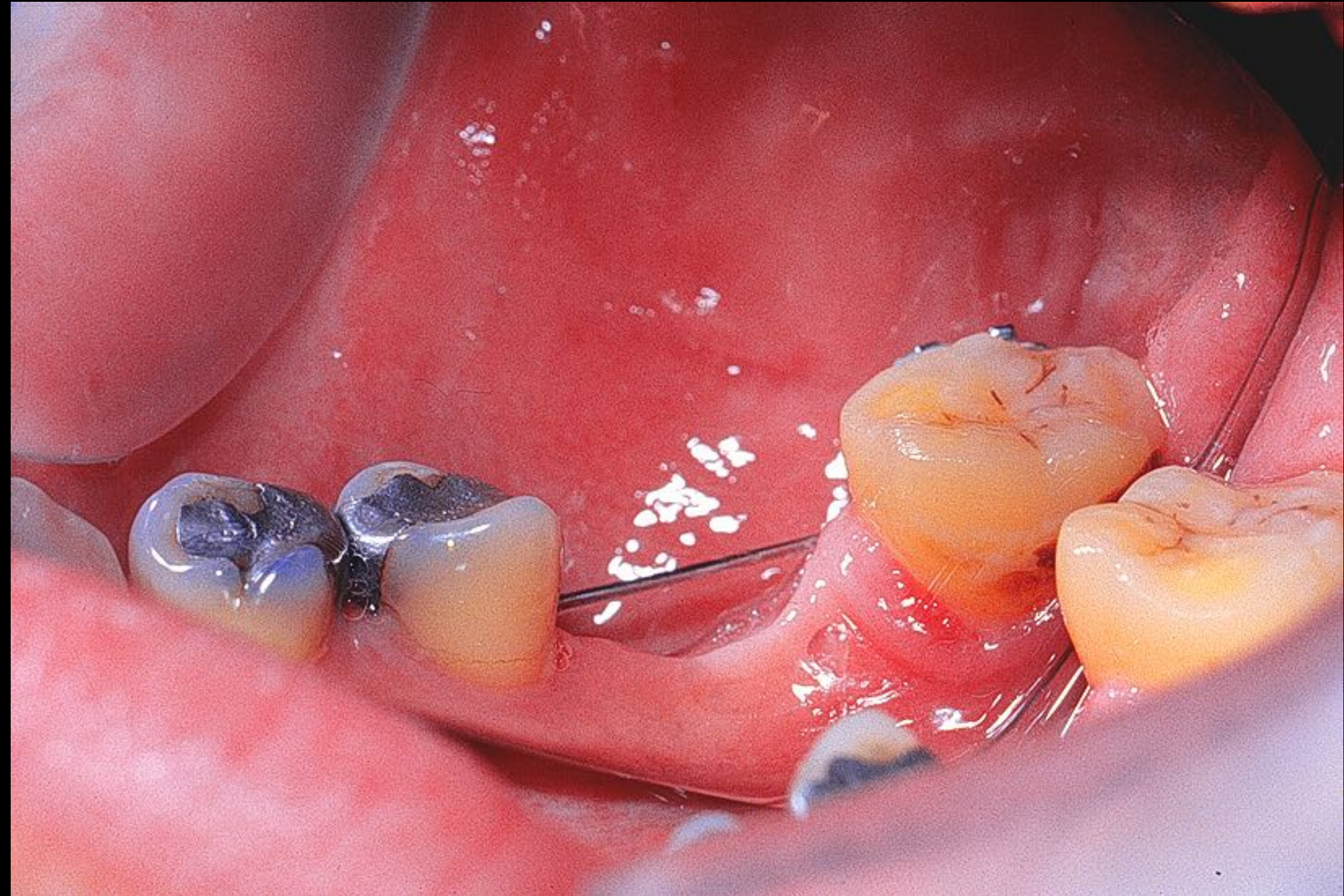
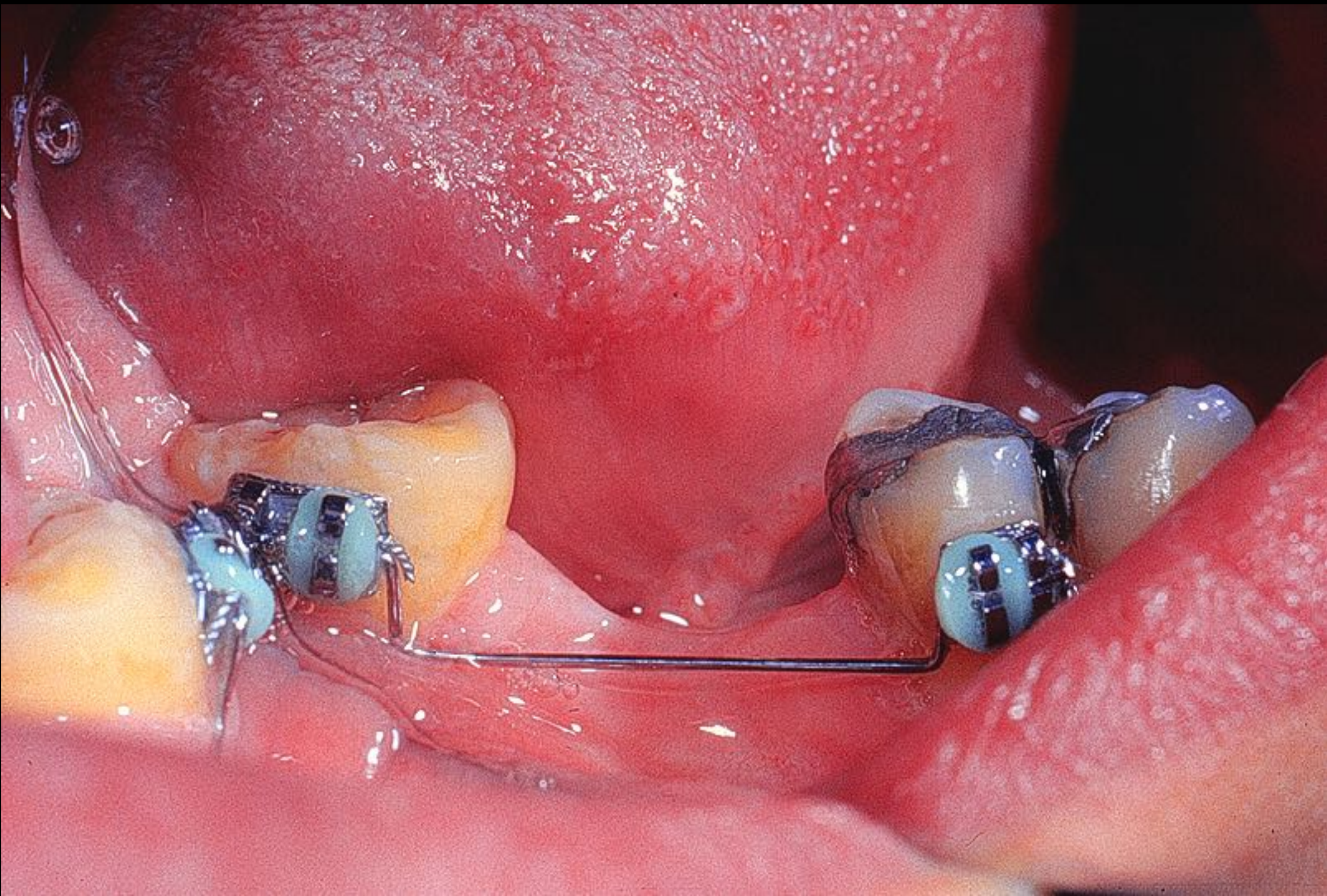




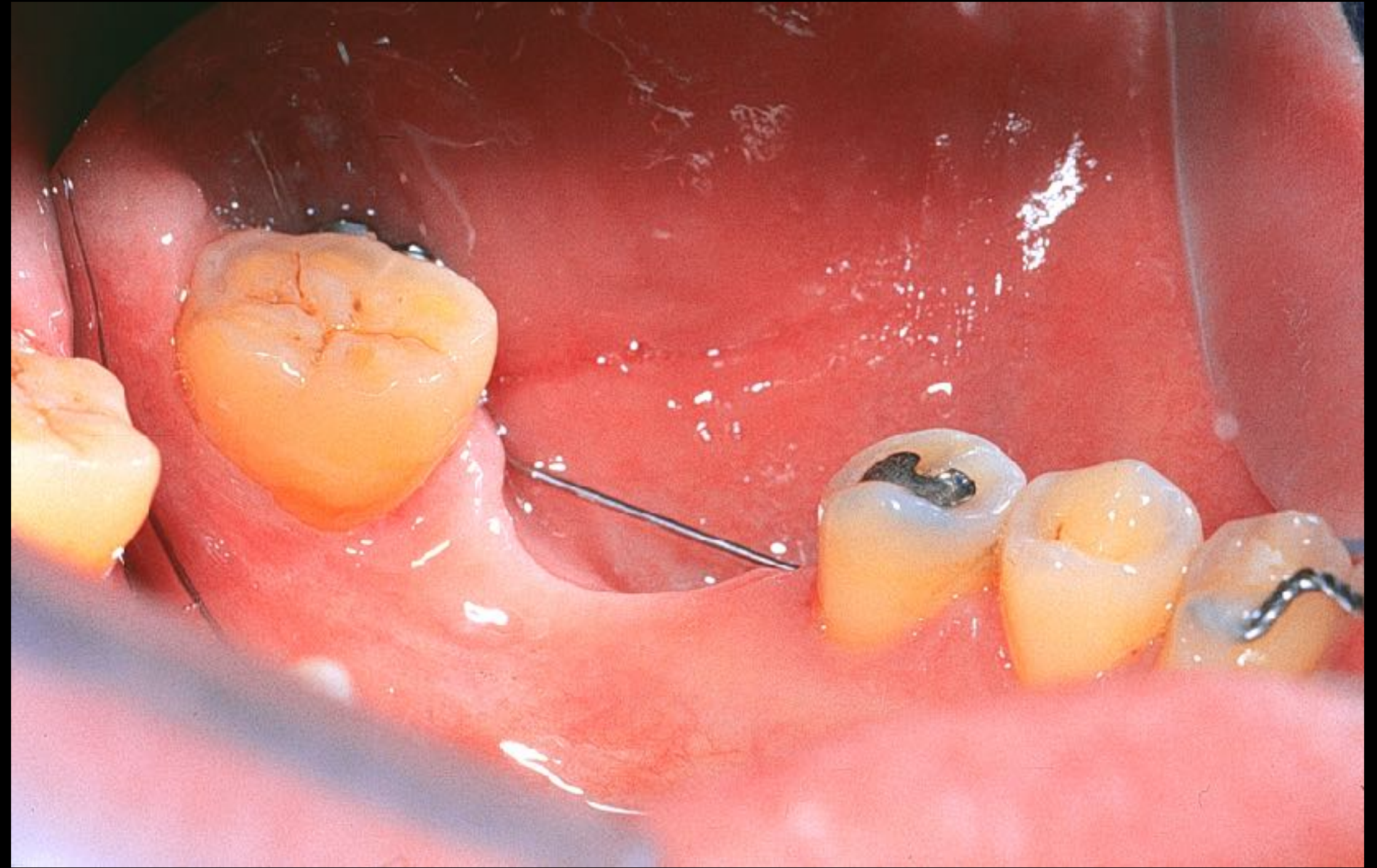
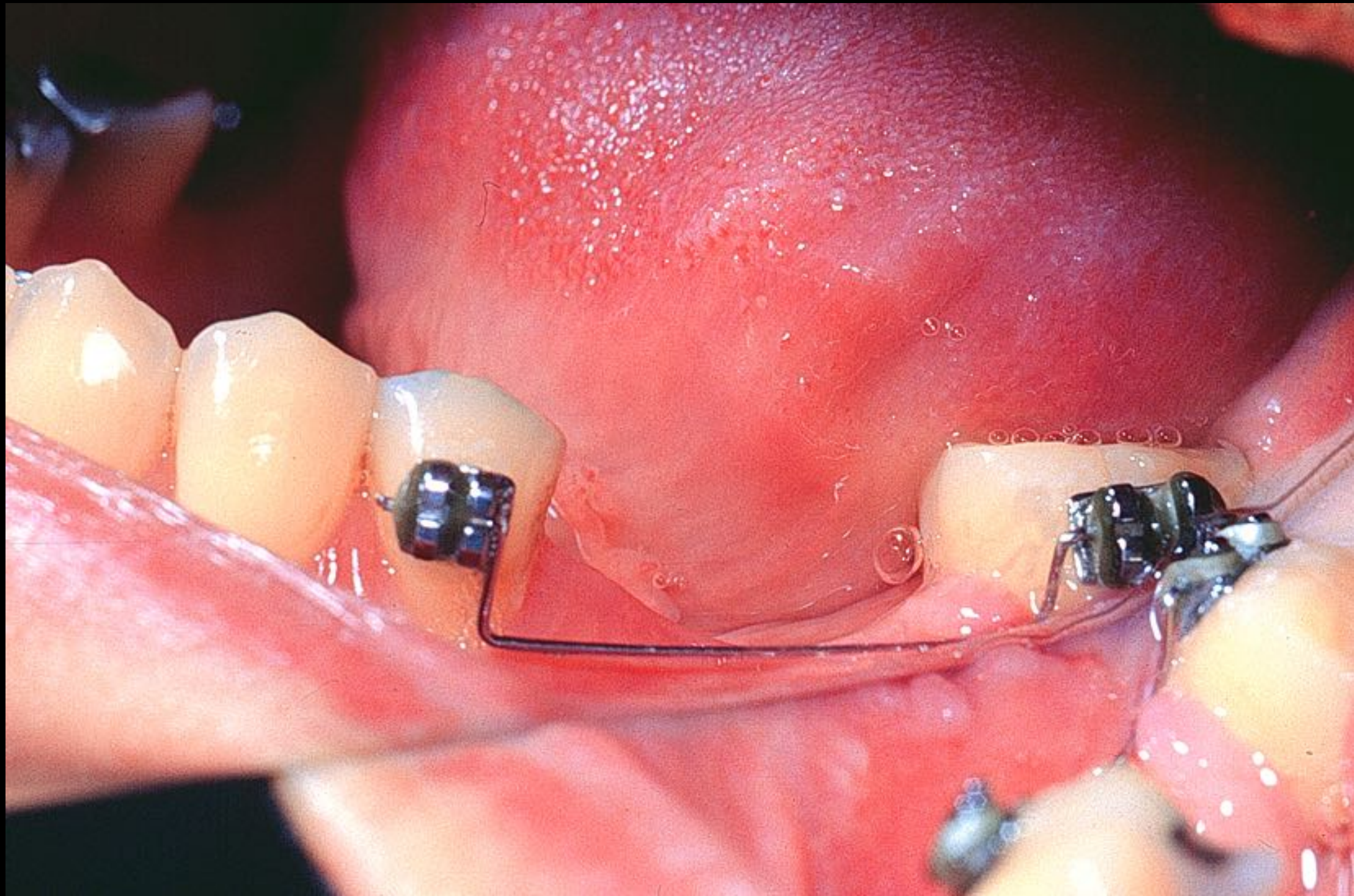




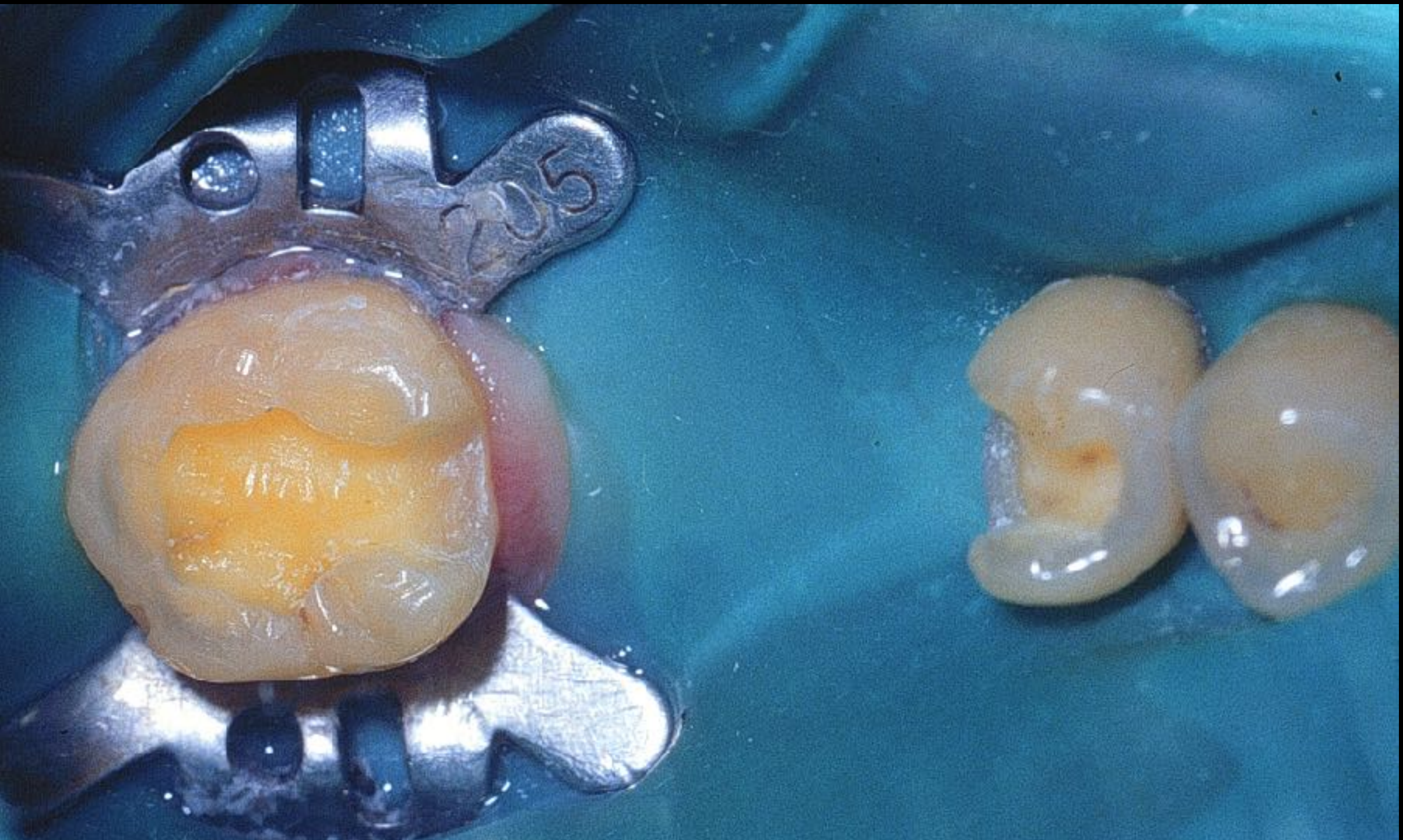
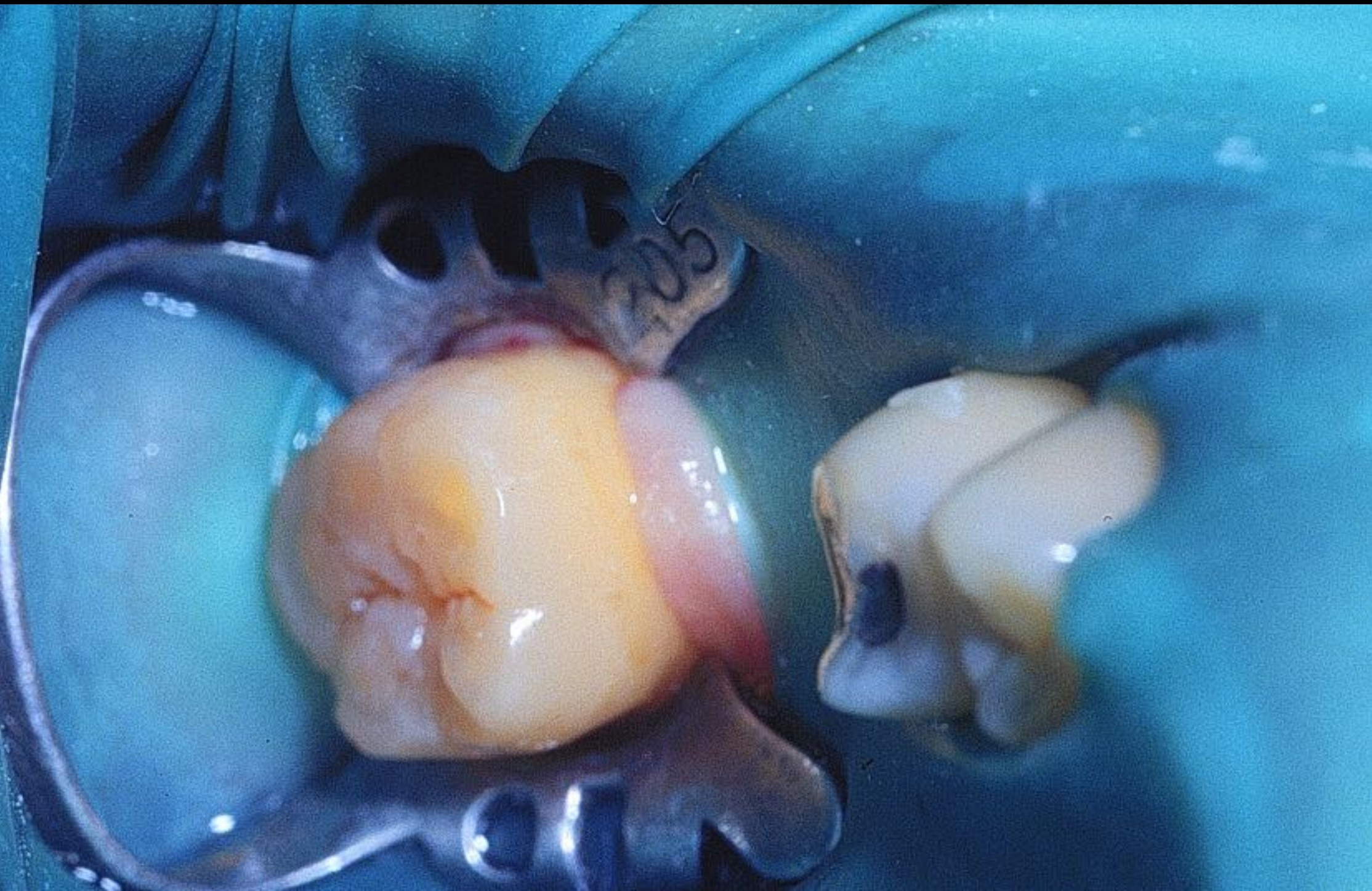




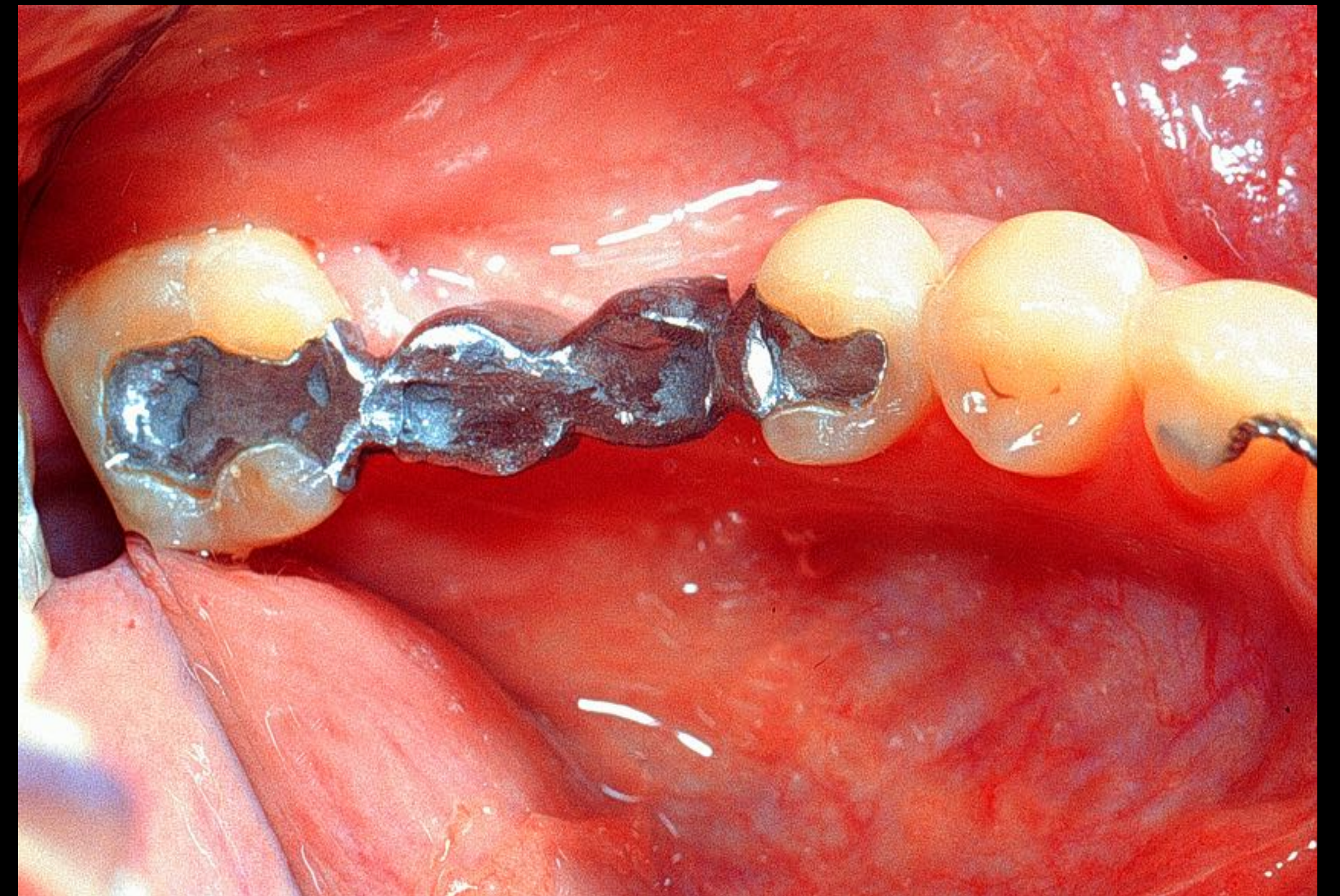
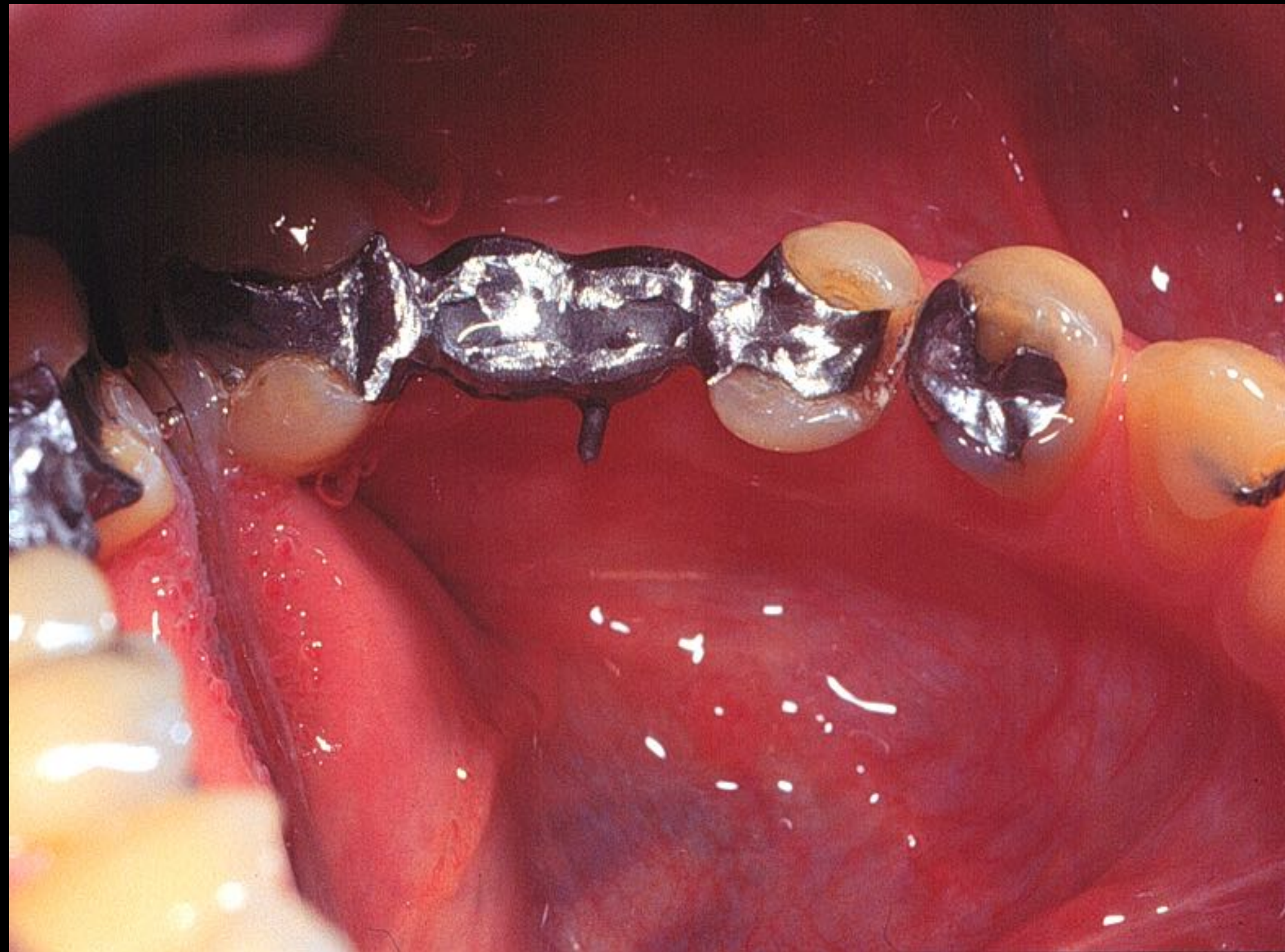








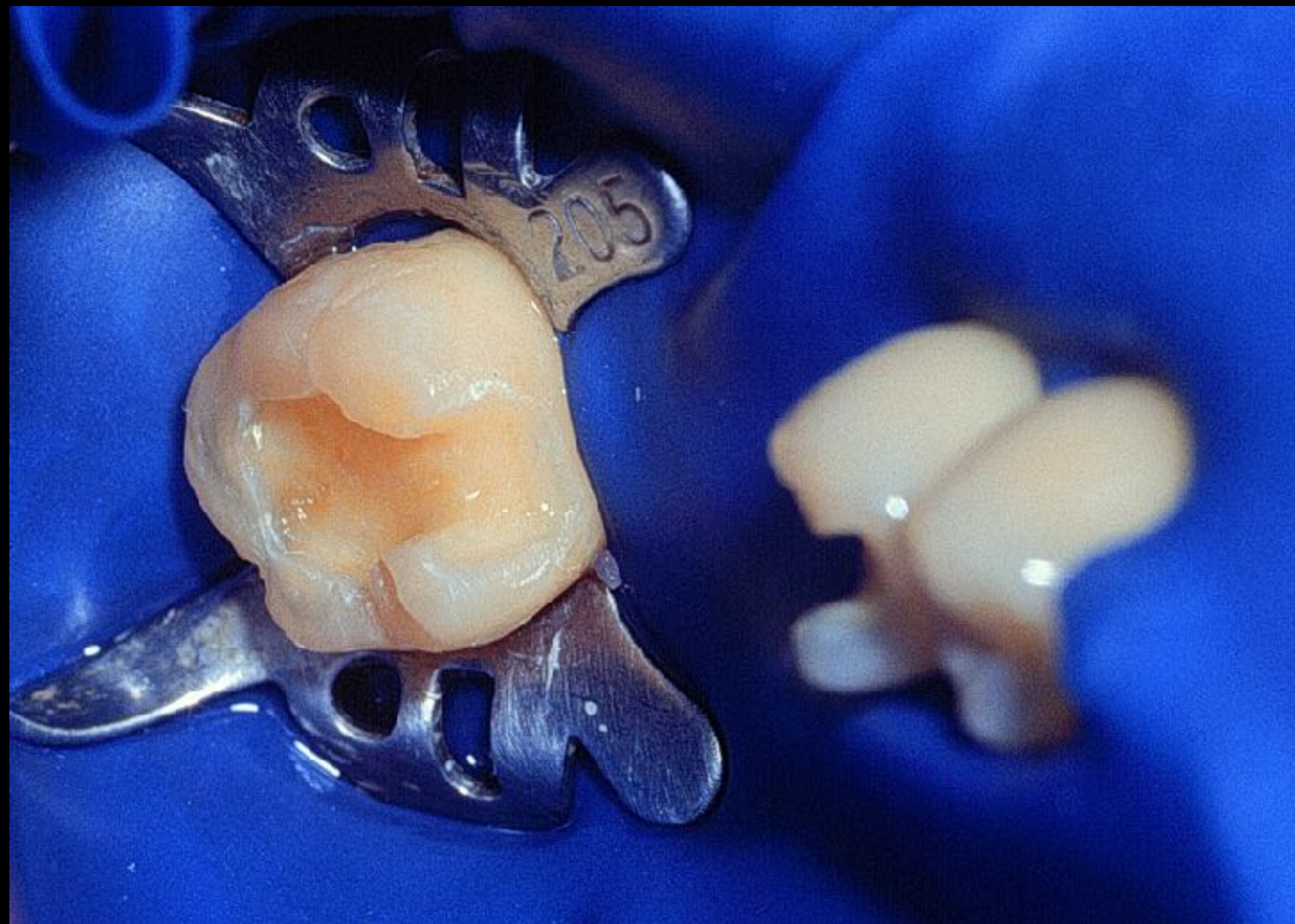




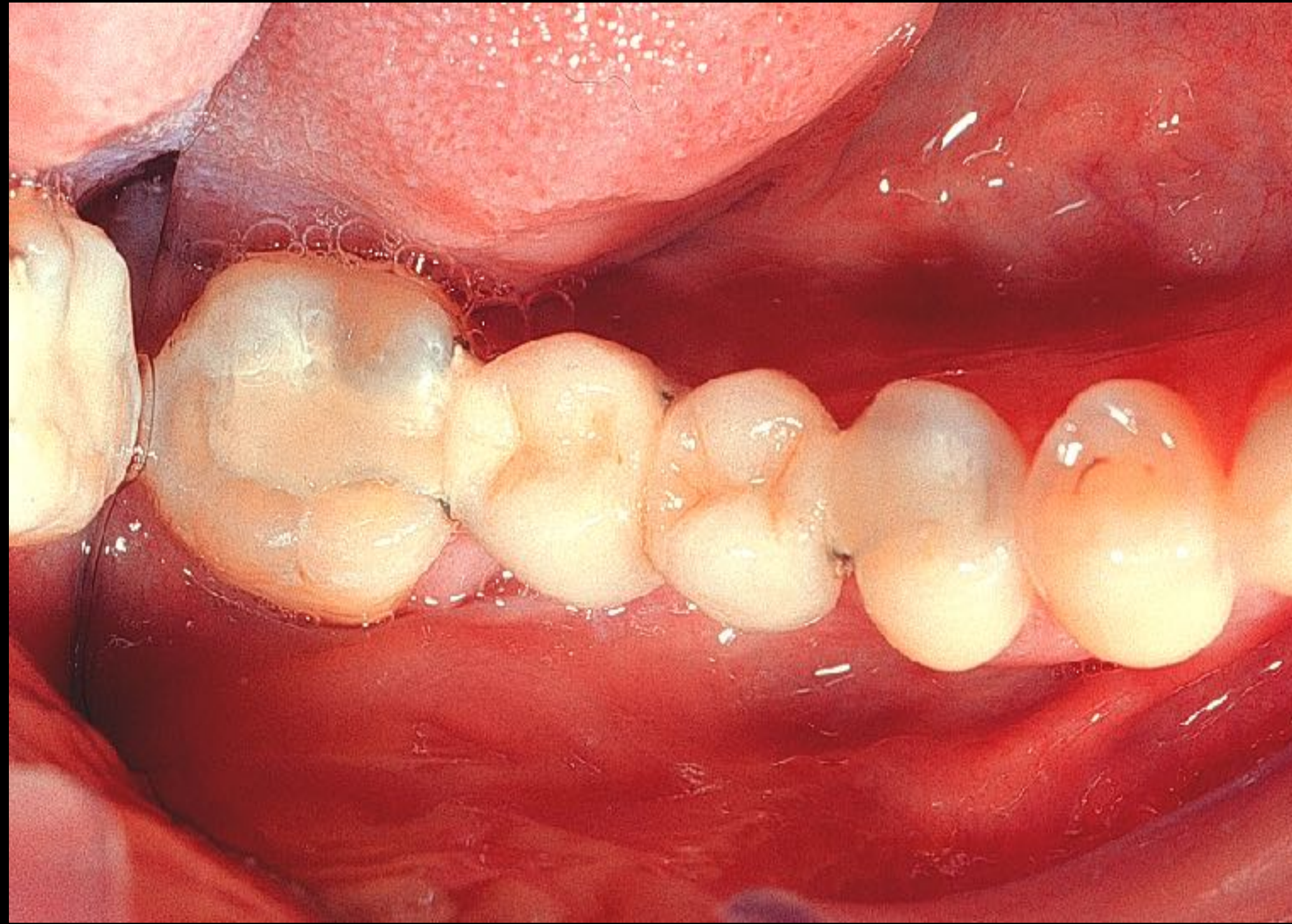




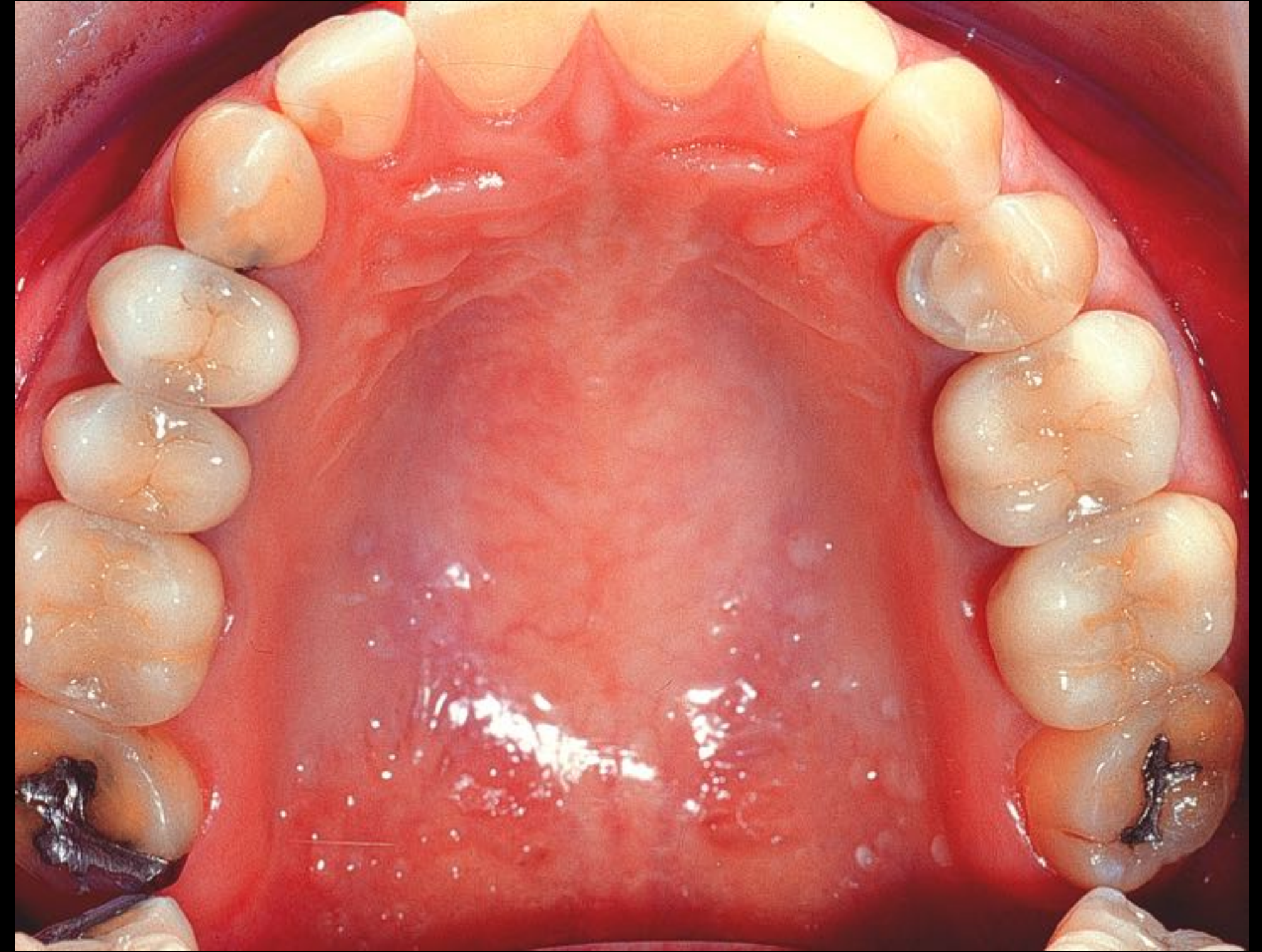
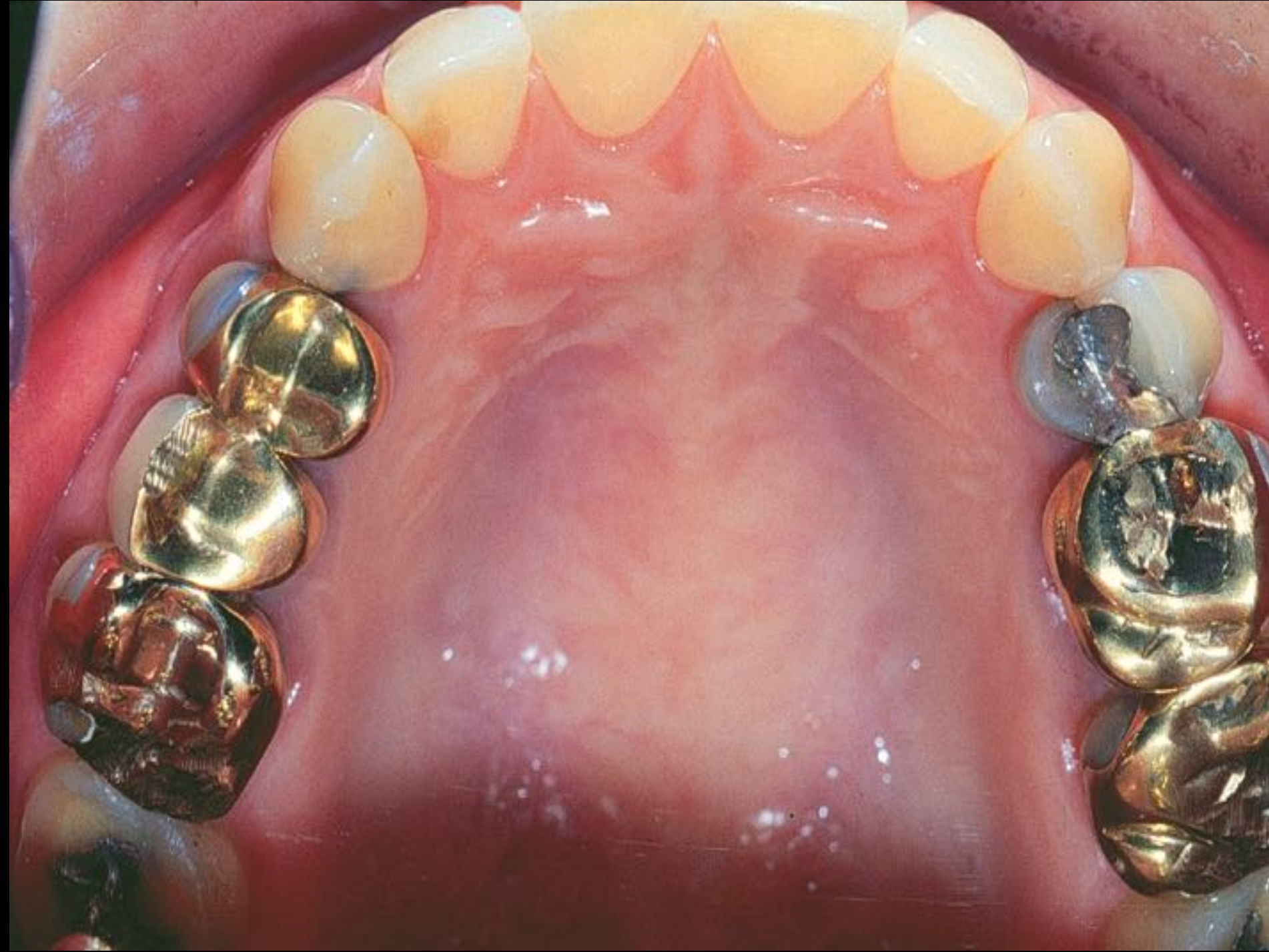




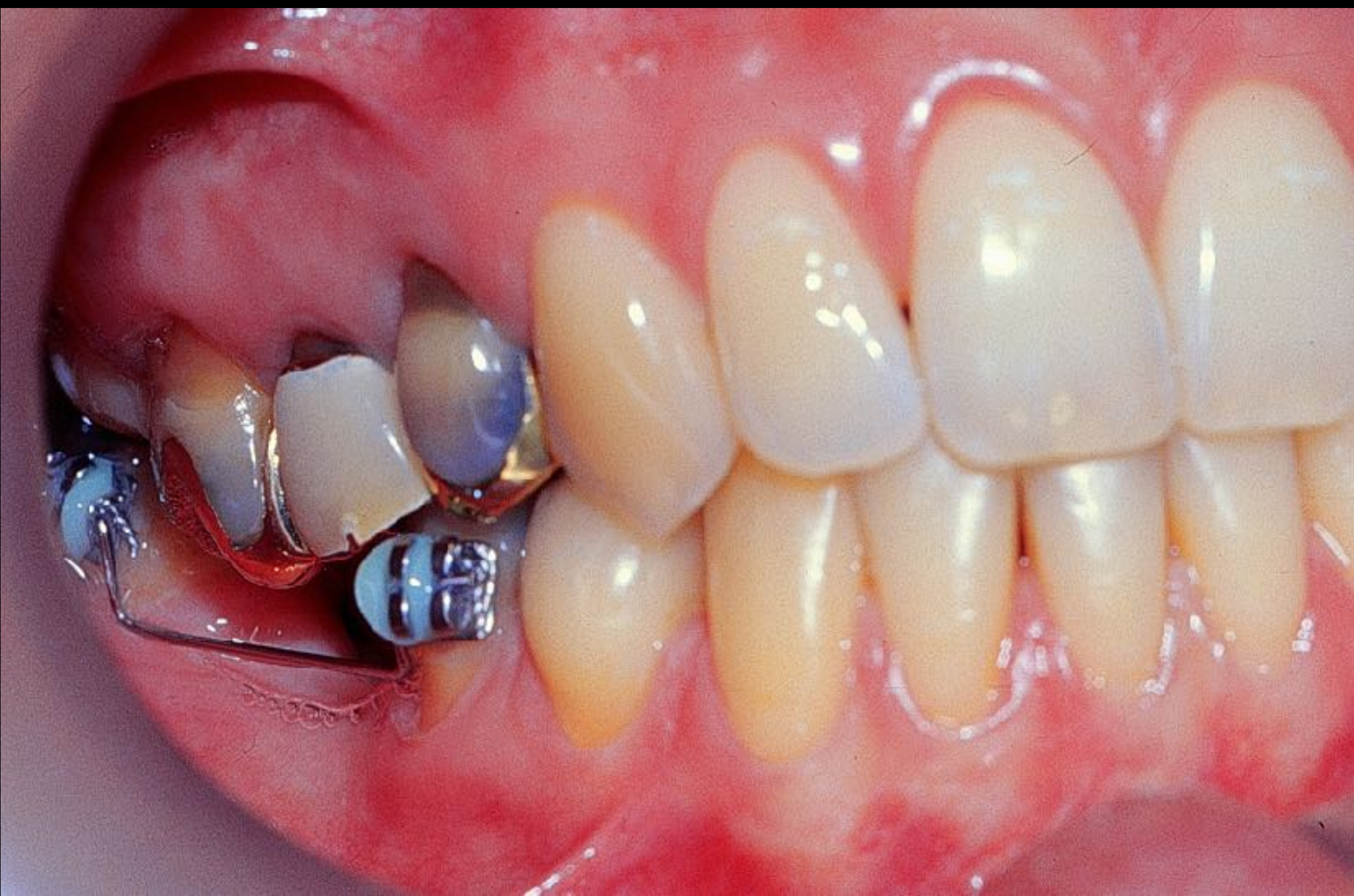






















# PRÓTESE FIXA ADESIVA

[wmatsumoto@forp.usp.br](mailto:wmatsumoto@forp.usp.br)



# PRÓTESE FIXA ADESIVA

É uma prótese para pequenos espaços anodônticos com preparos minimamente invasivos, basicamente a nível de esmalte, e a fixação através de cimentos resinosos.

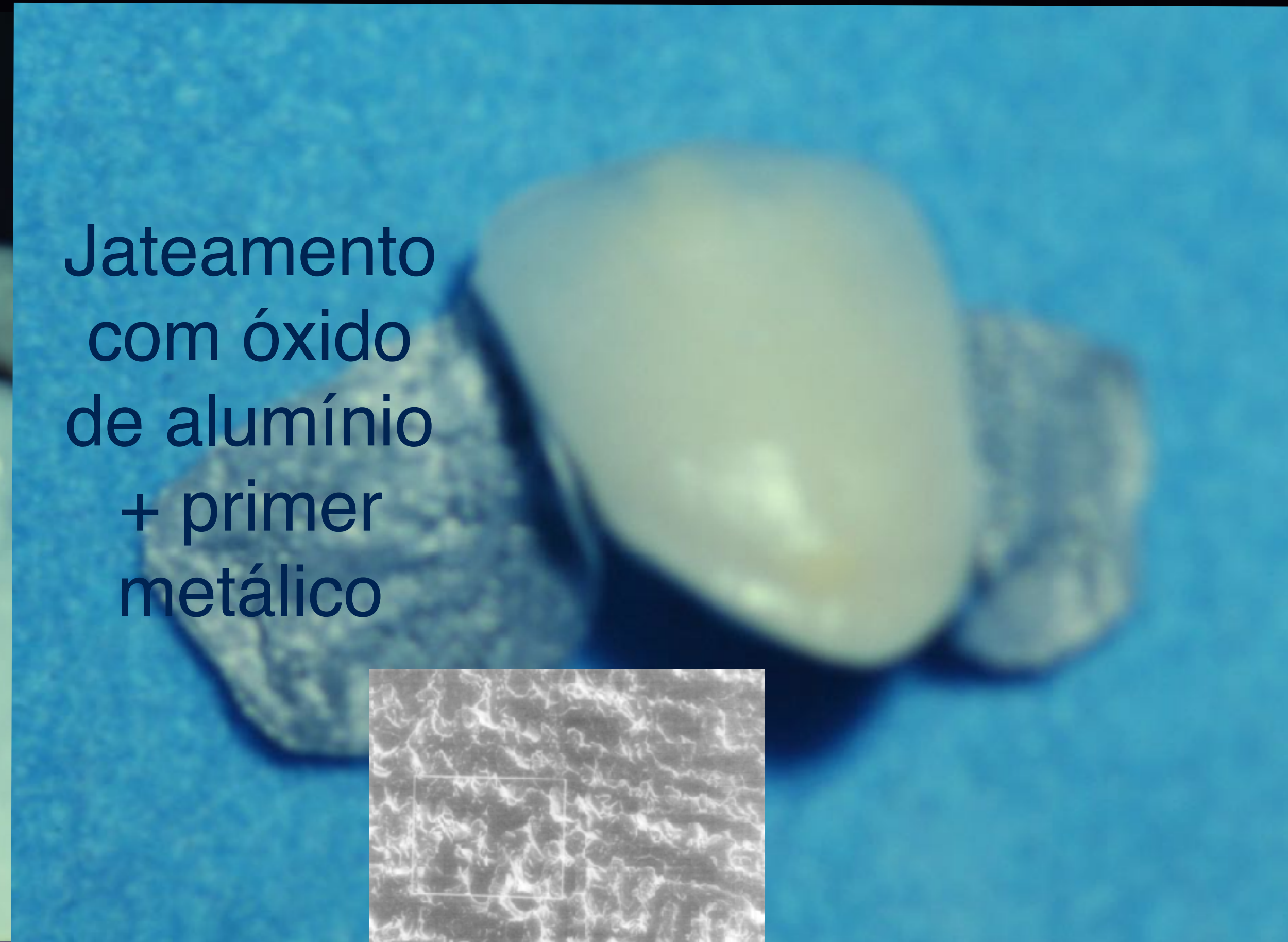


# PRÓTESE FIXA ADESIVA



Howe, Denehy 1977

Rochette 1973



Jateamento  
com óxido  
de alumínio  
+ primer  
metálico

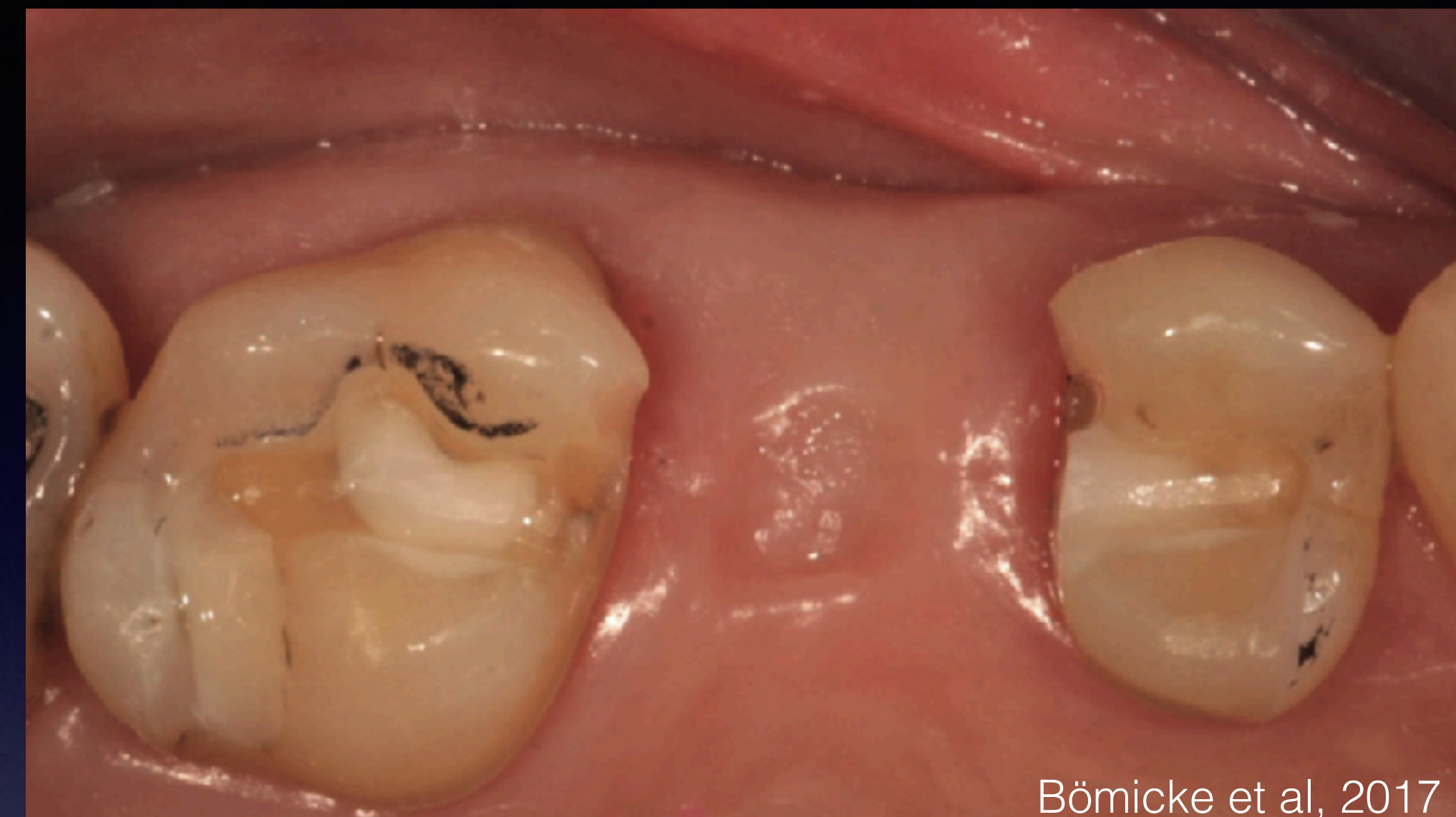
Livaditis, Thompson 1982  
Condicionamento eletrolítico do metal



# PRÓTESE FIXA ADESIVA



Metallocerâmica



Bömicke et al, 2017

Livre de metal

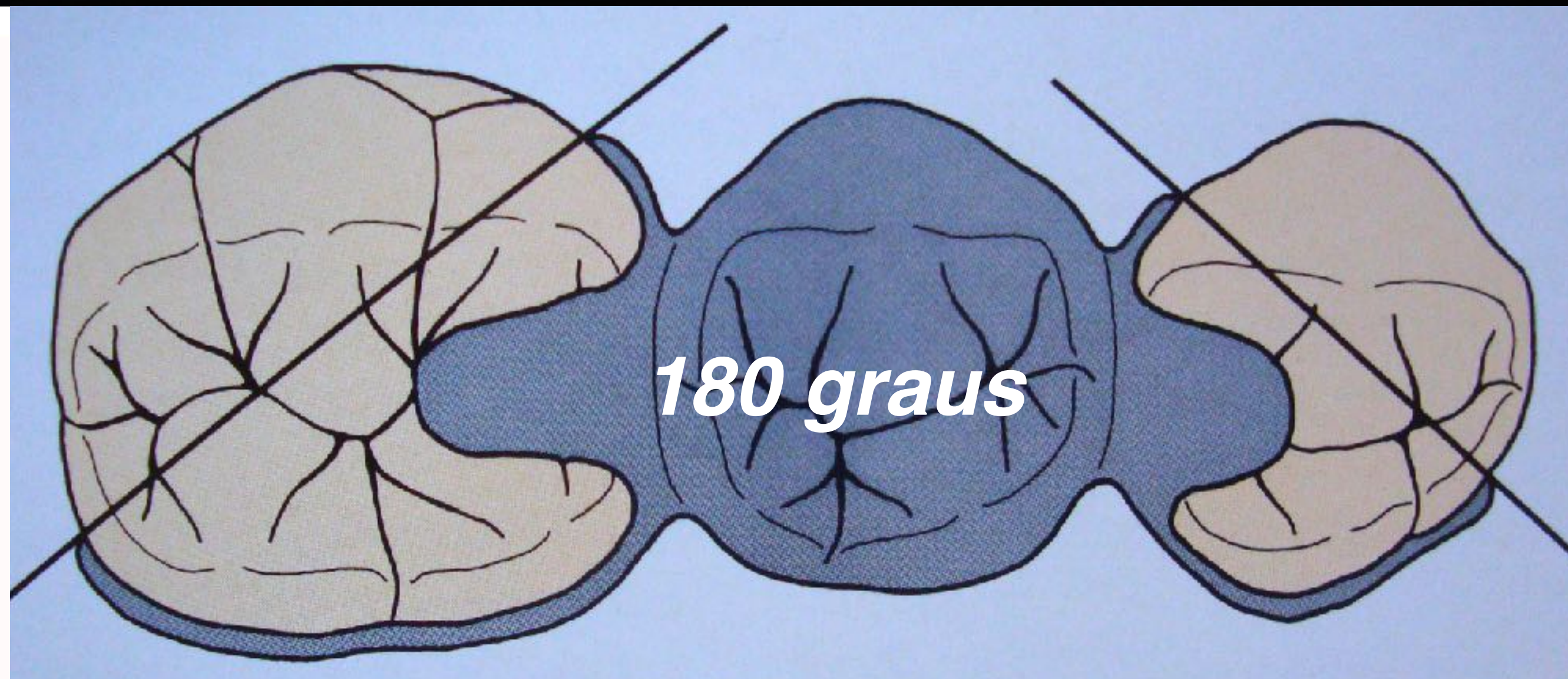


Zirconia  
Alumina

Dissilicato de lítio

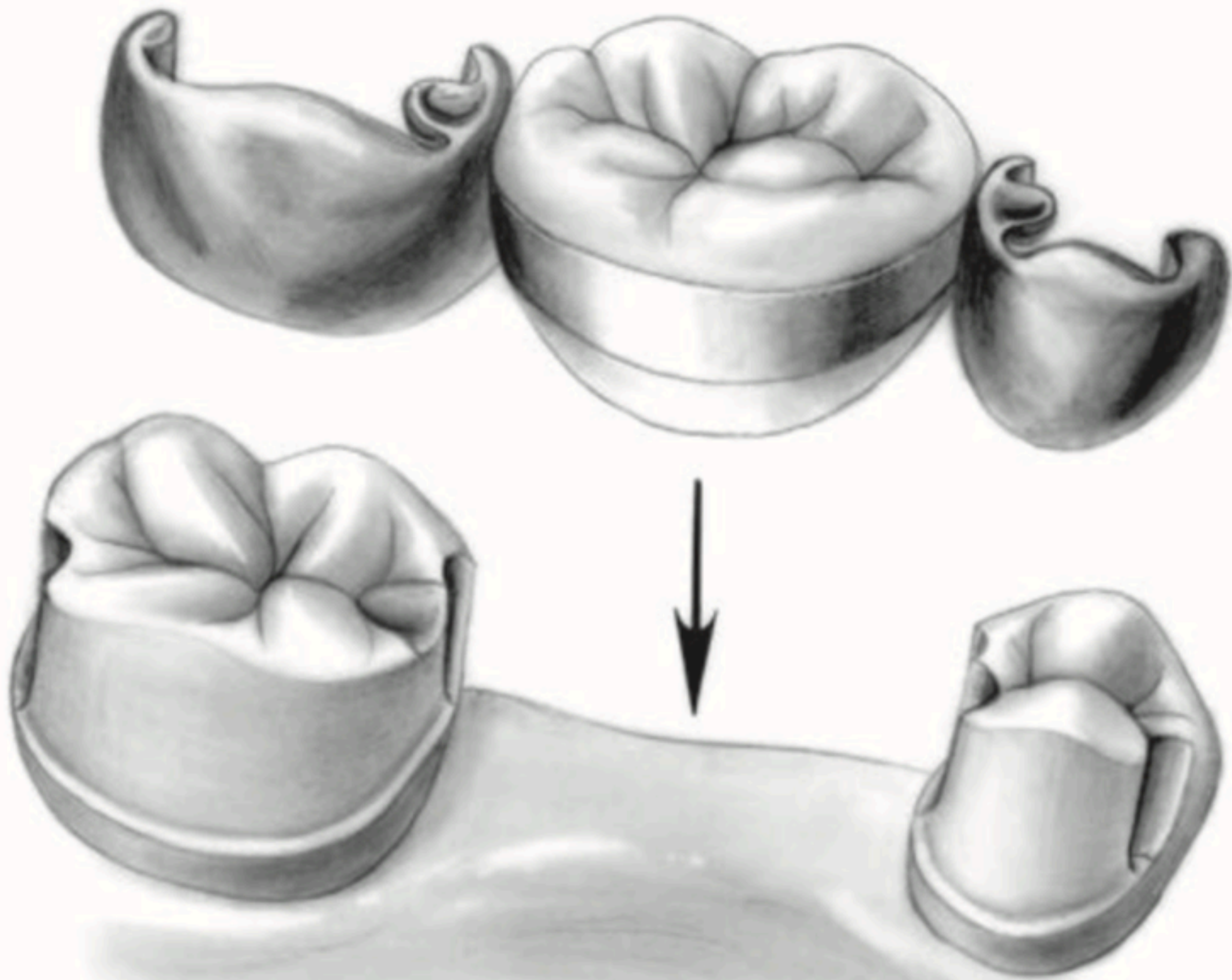


# Preparos em dentes posteriores





# Preparos em dentes posteriores



Rosenstiel et al, 2016

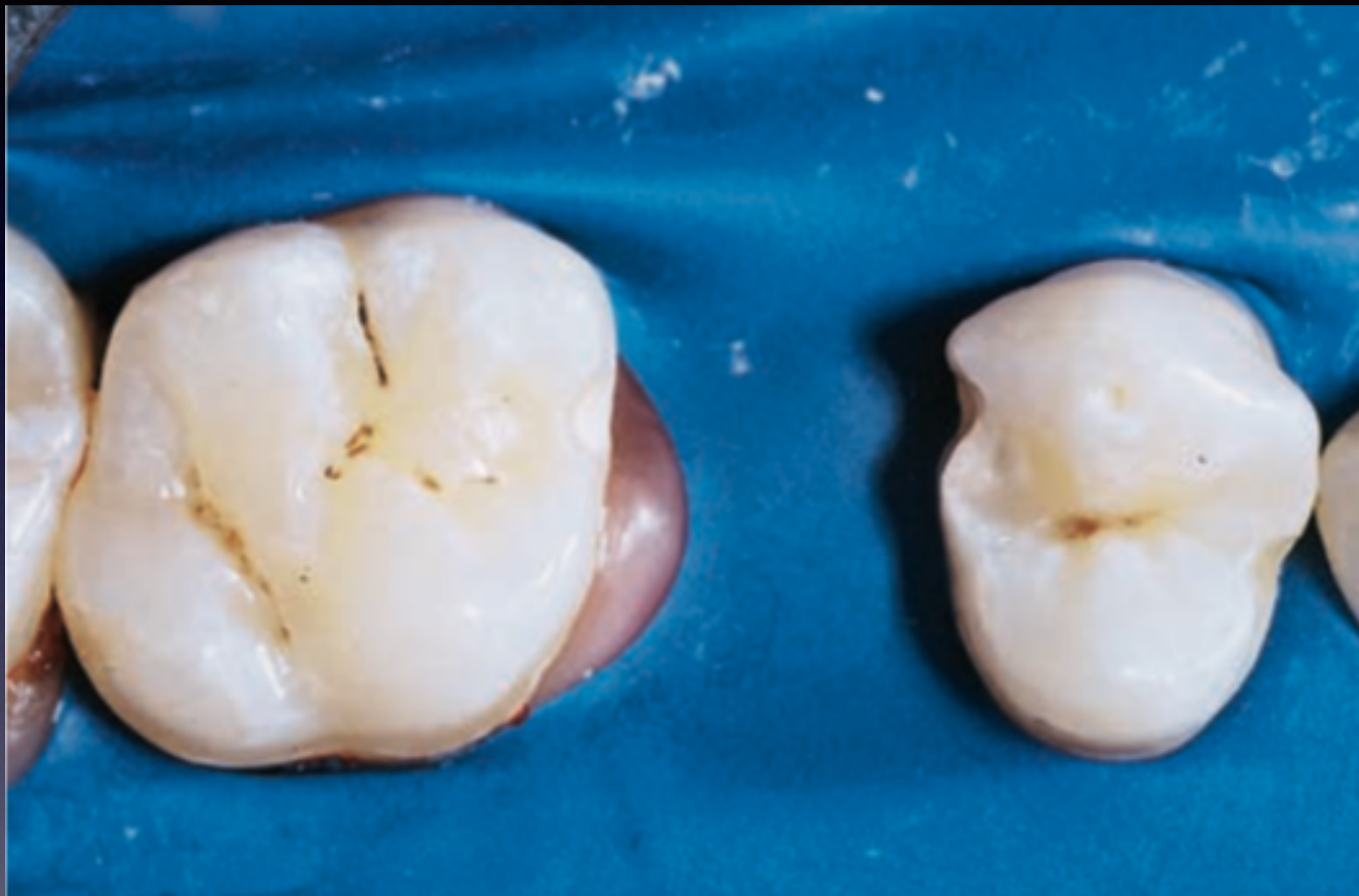












Rosenstiel et al, 2016

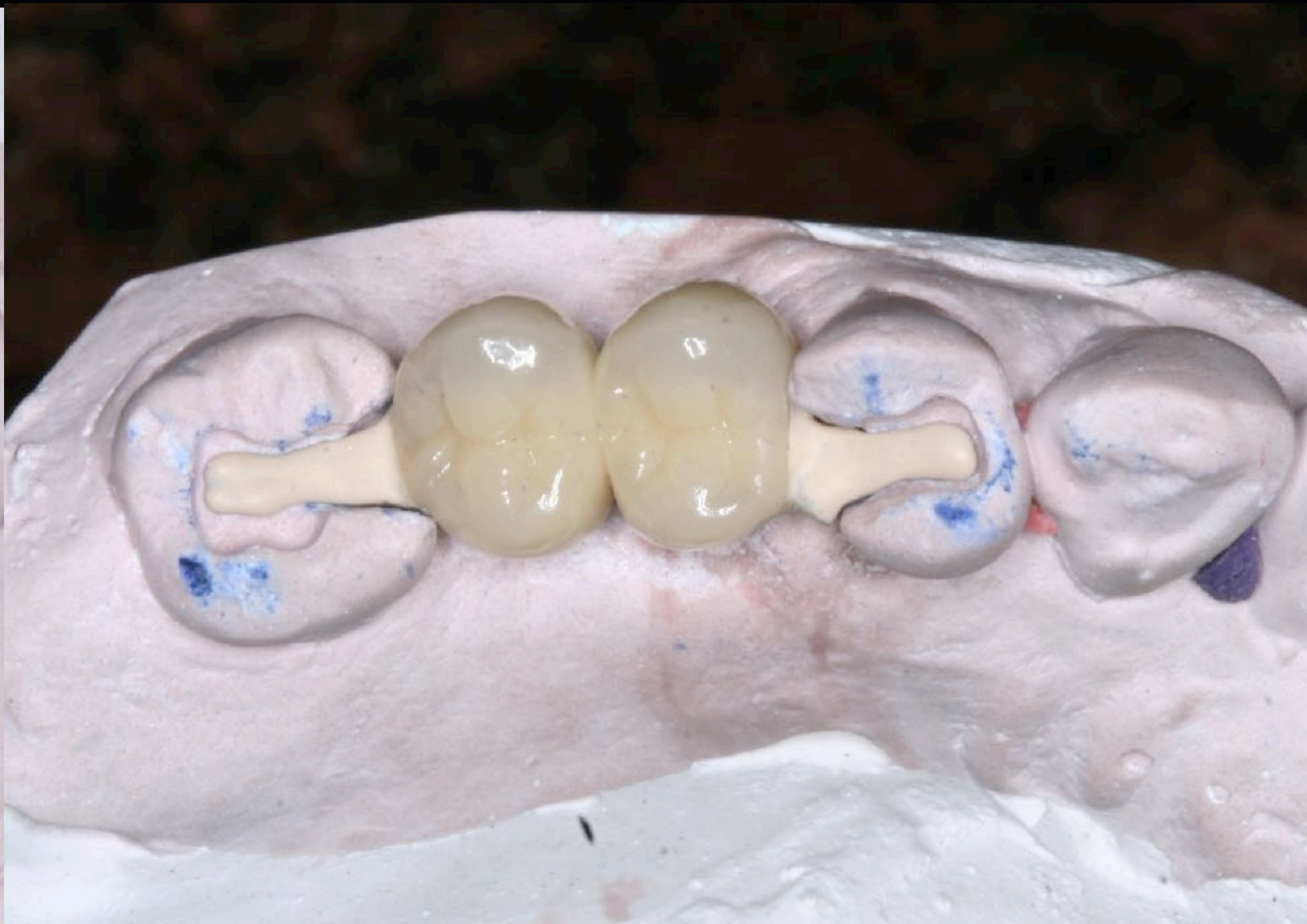








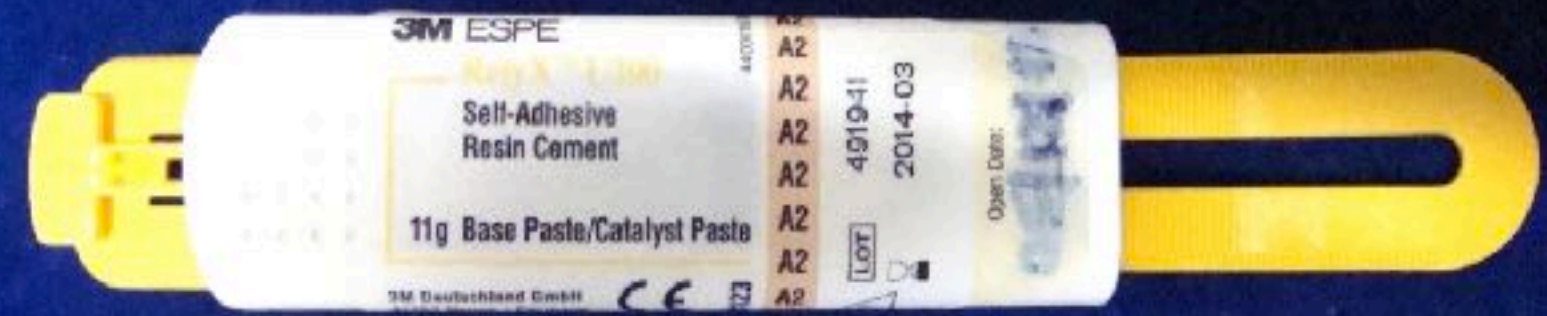


















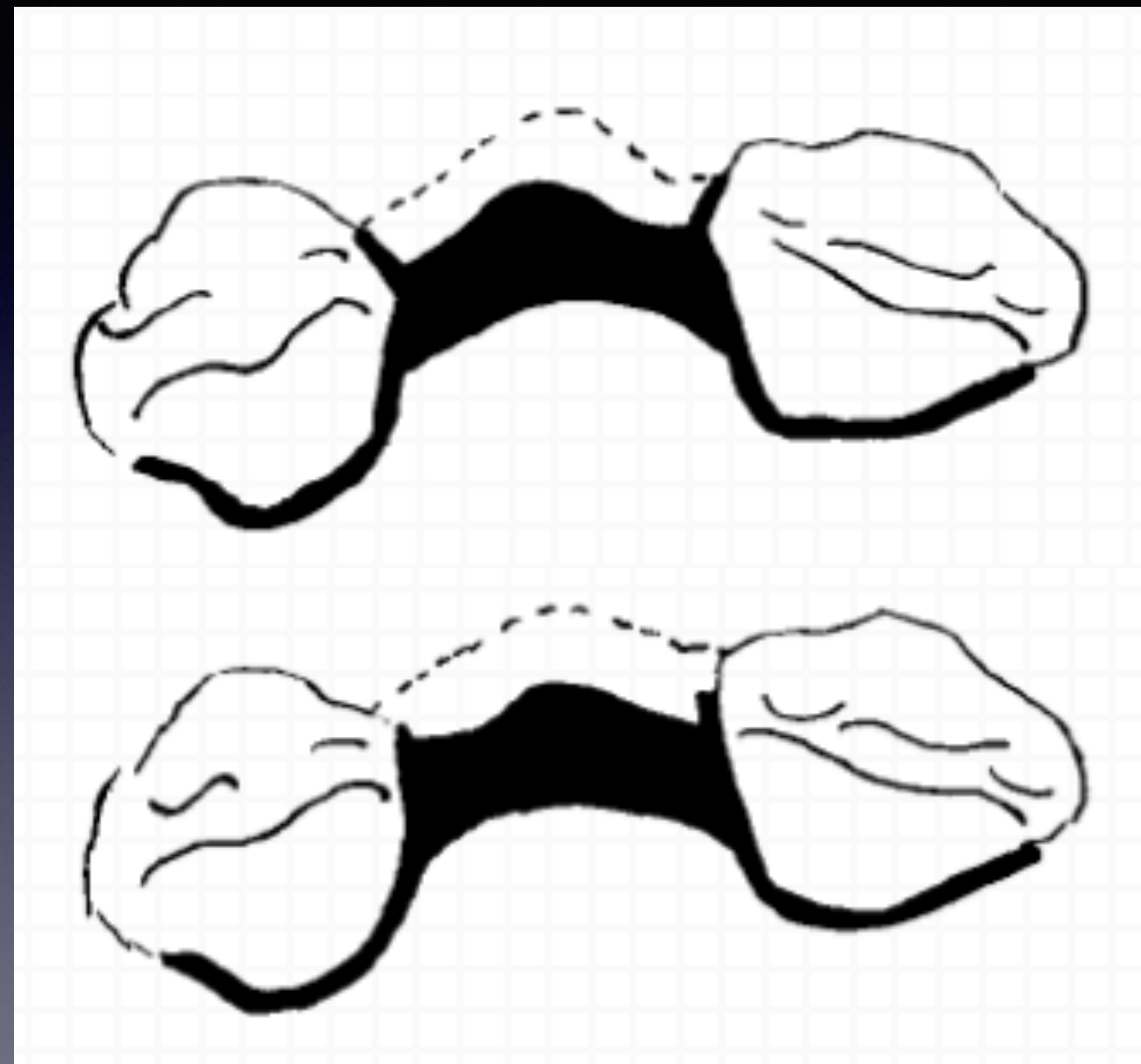






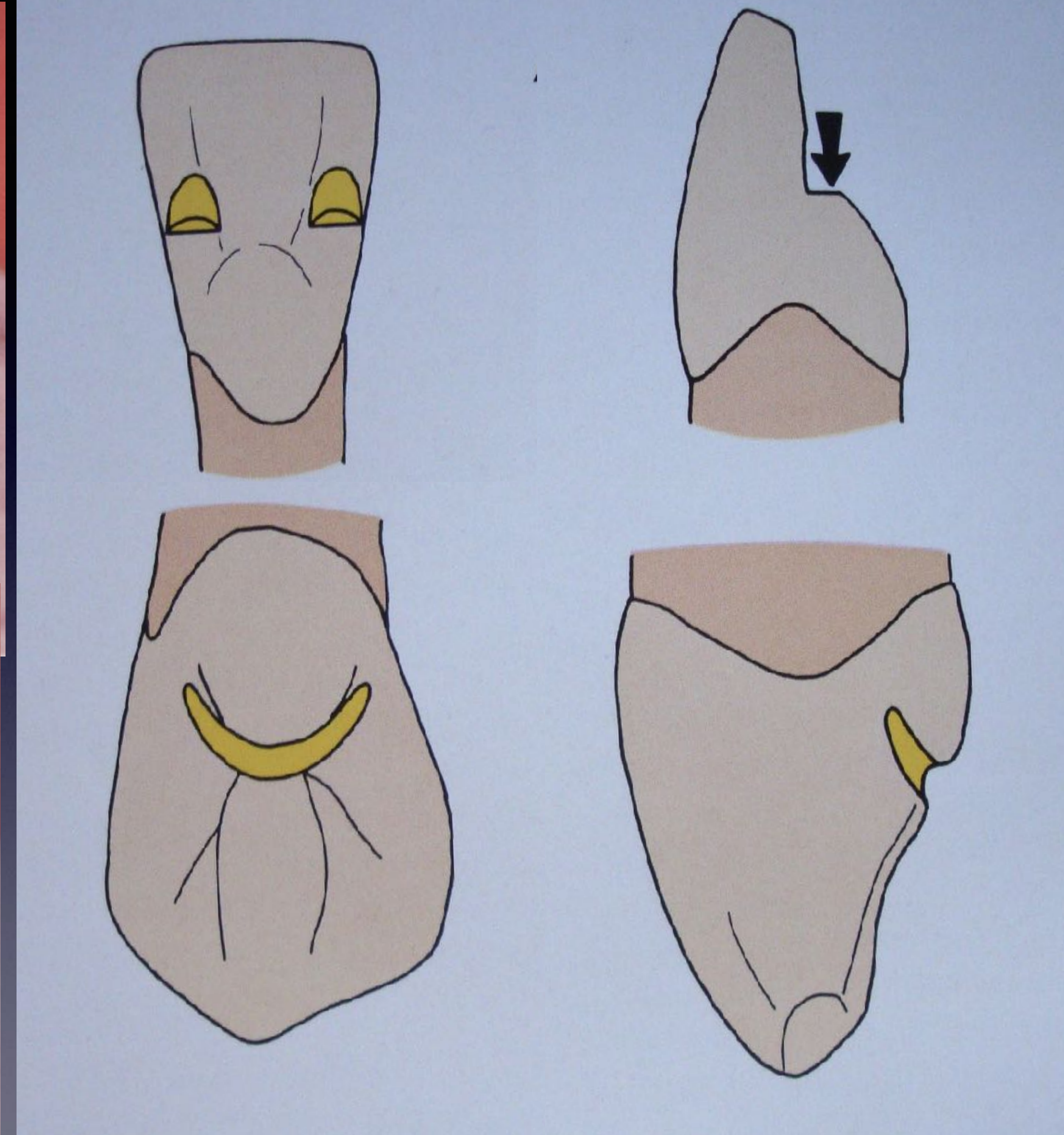
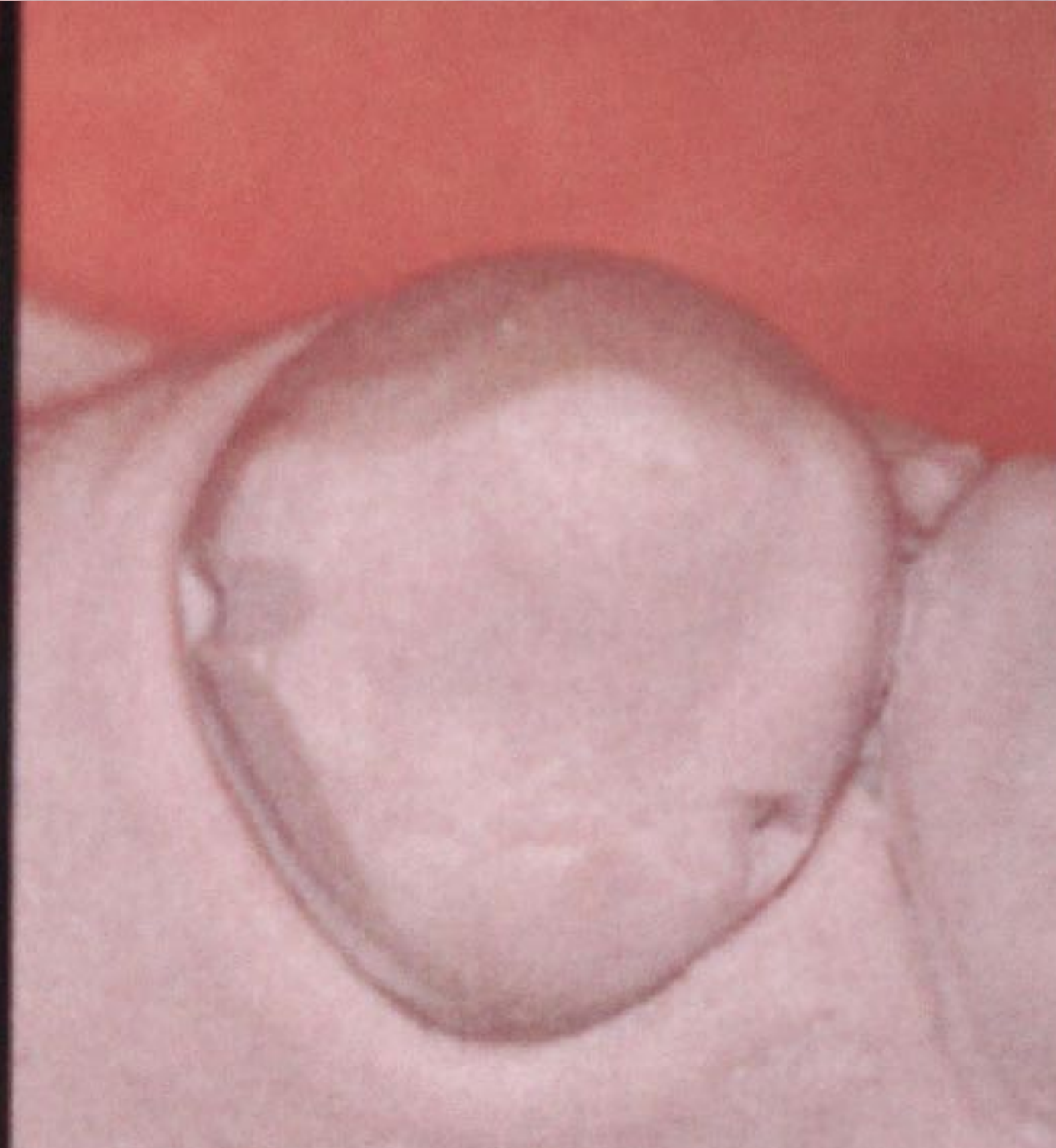
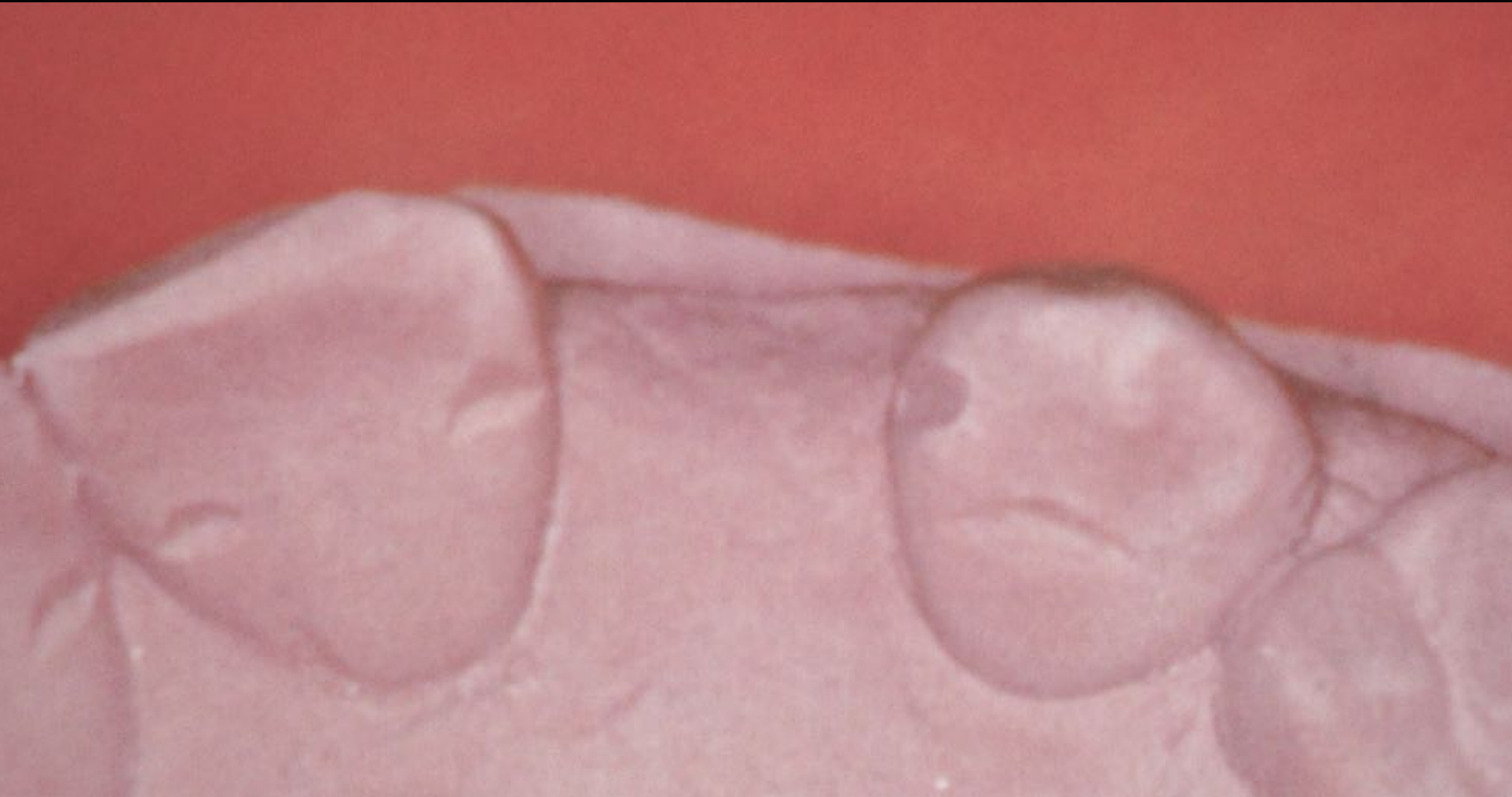


# Preparos em dentes anteriores



Maior dificuldade devido à forma dos dentes anteriores.















# Cimentação



Jateamento com óxido de alumínio  
+  
Primer de metal ou adesivo universal

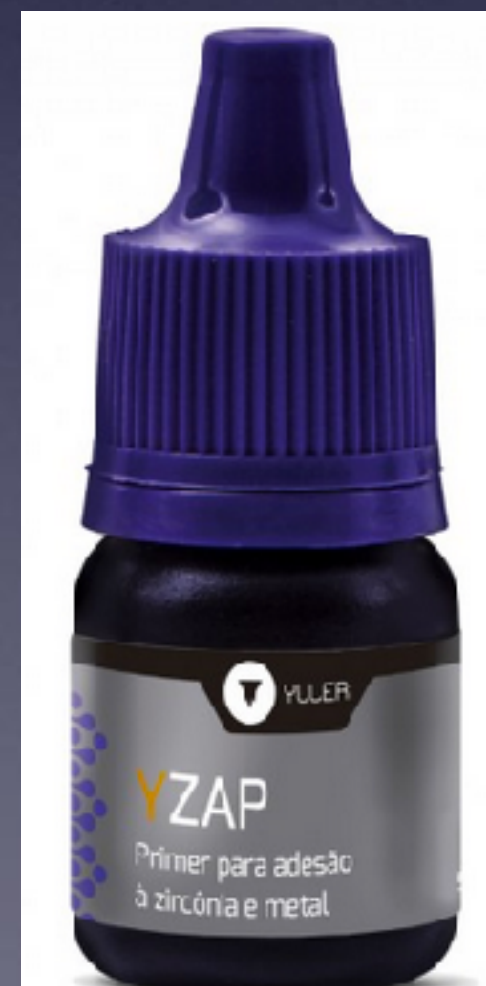


Condicionamento com  
ácido fosfórico  
+  
Adesivo





Relyx Ultimate



Relyx U200

















Kern, 2018  
Blatz, 2020







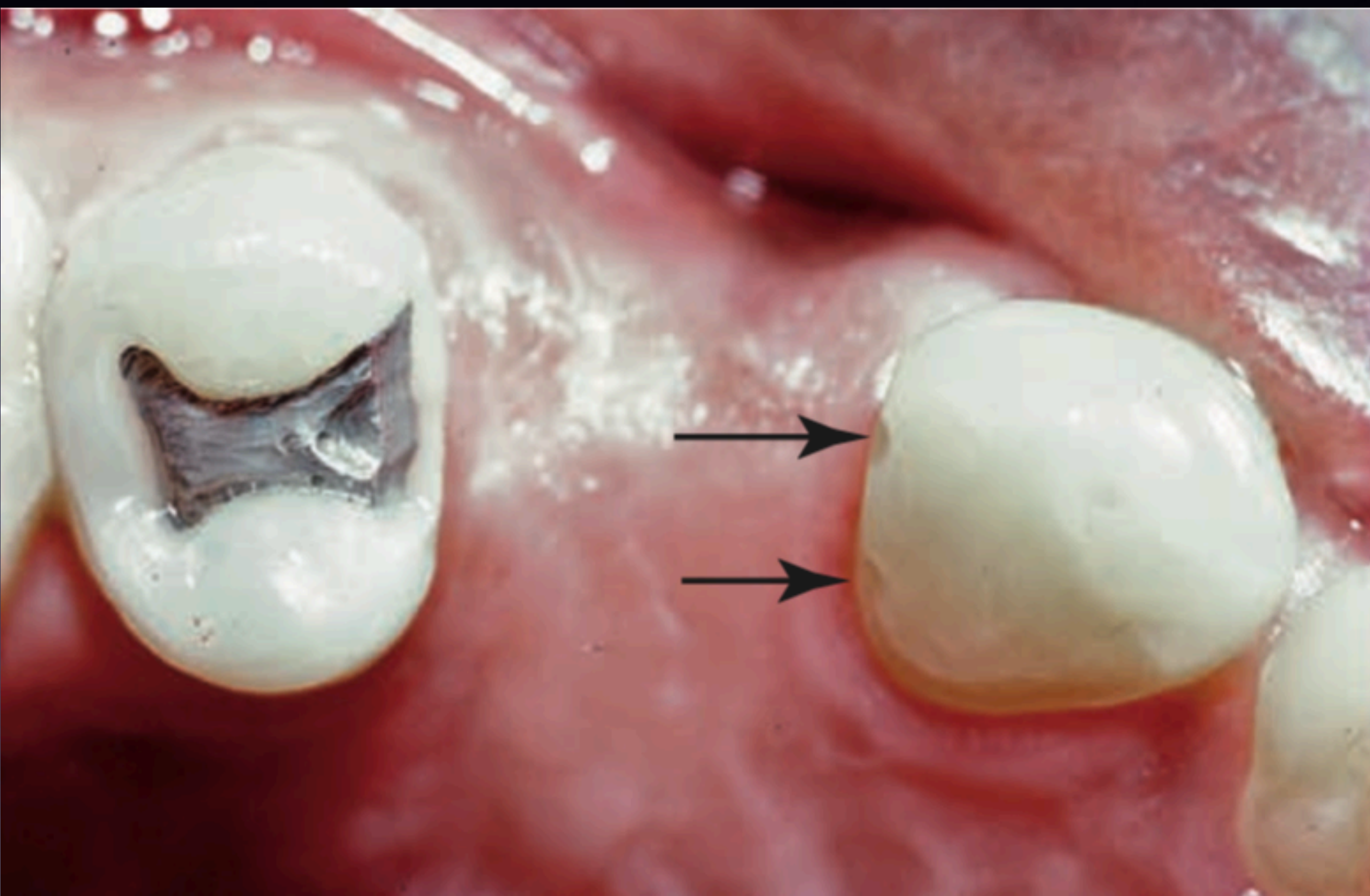








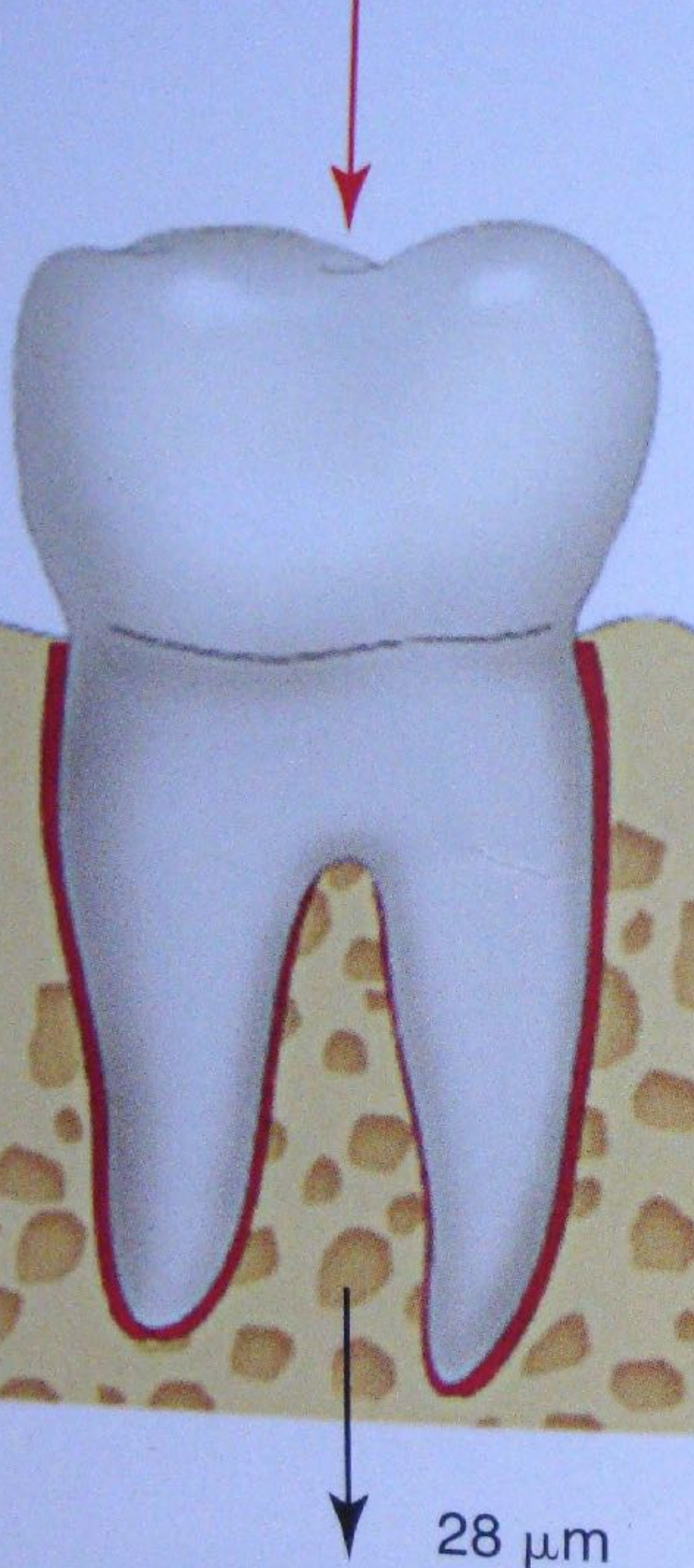
# Problema



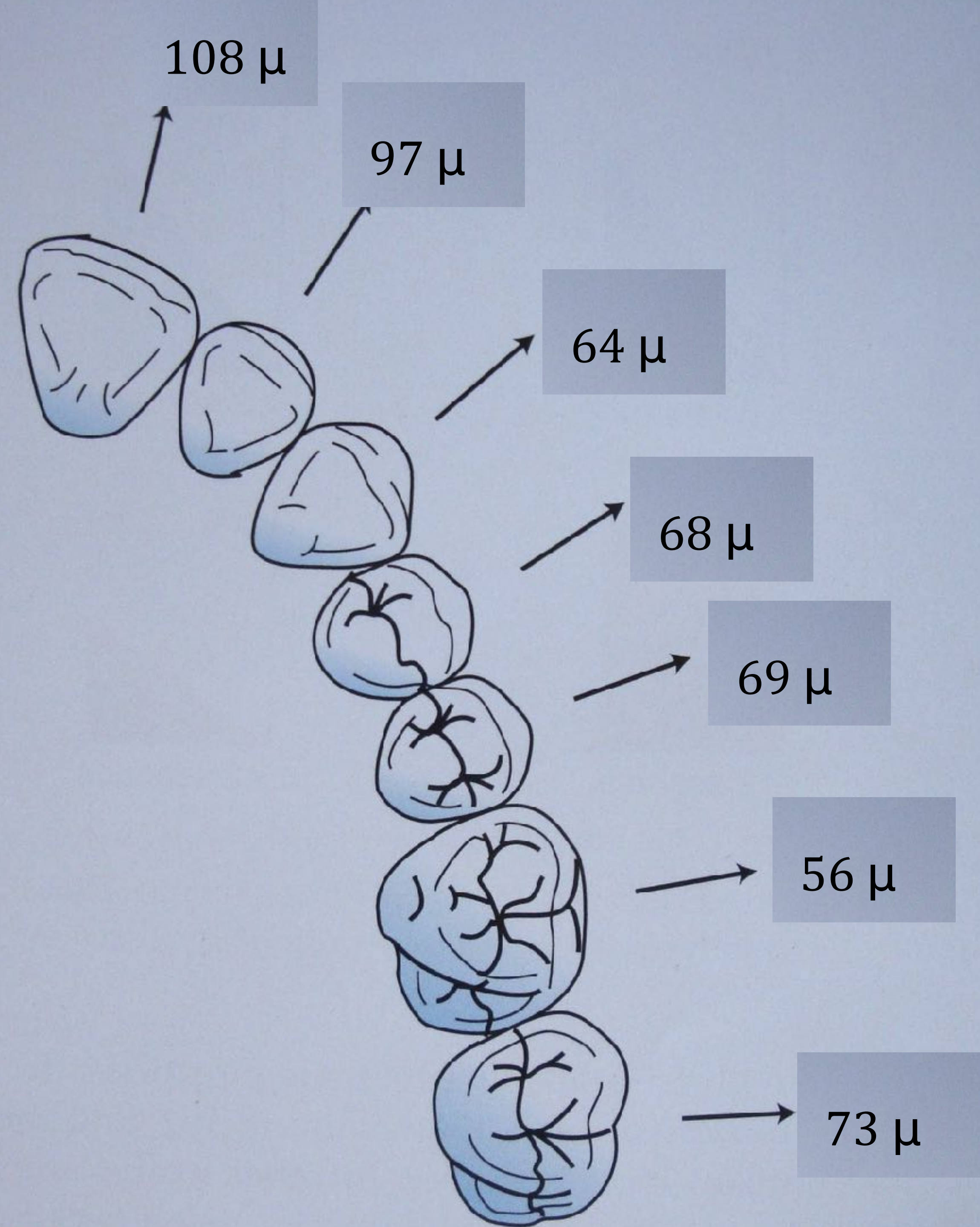
Dente posterior x dente anterior  
Maior retenção x menor retenção

Rosenstiel et al, 2016





Shillingburg et al 1988  
Misch 2015





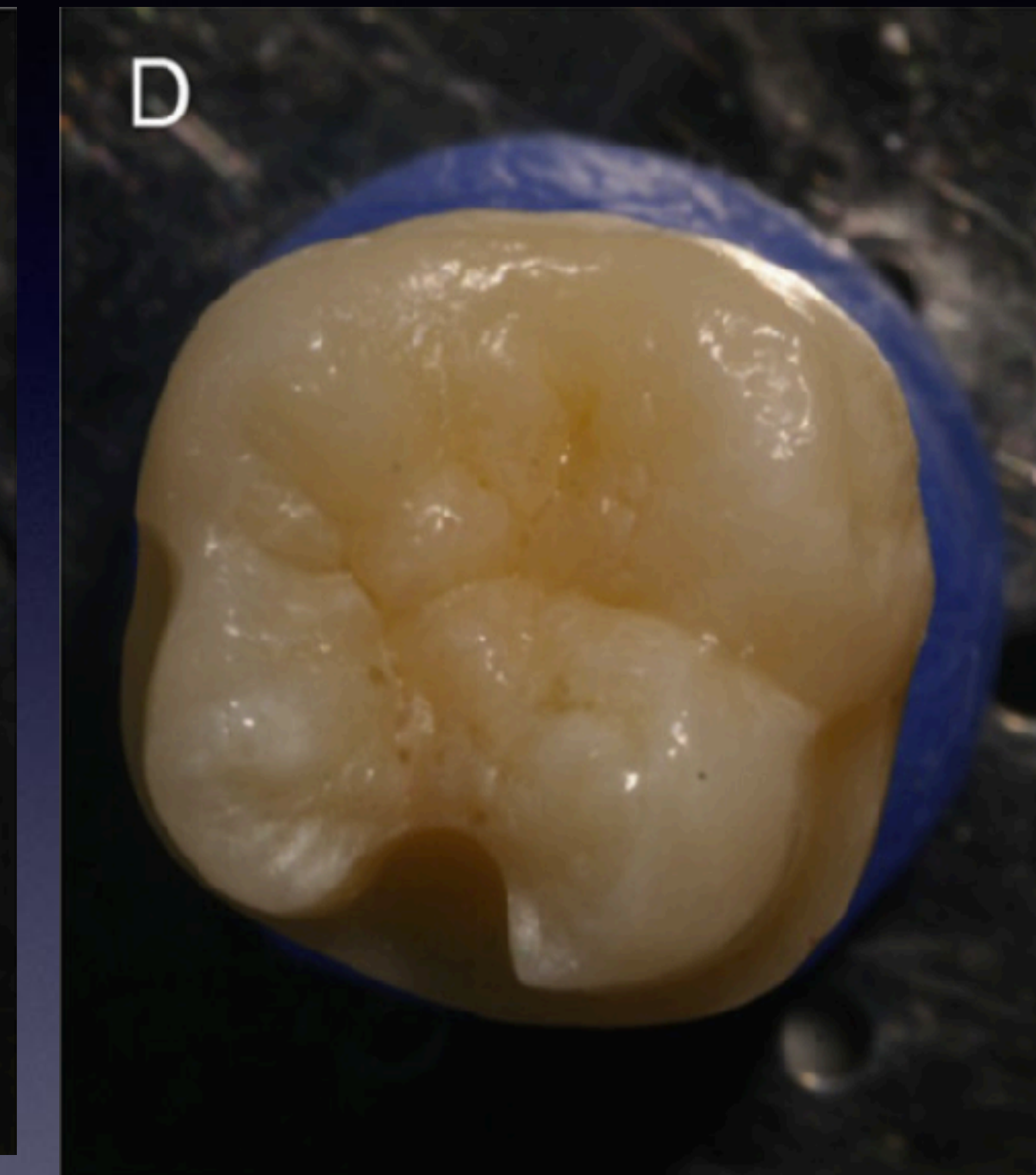
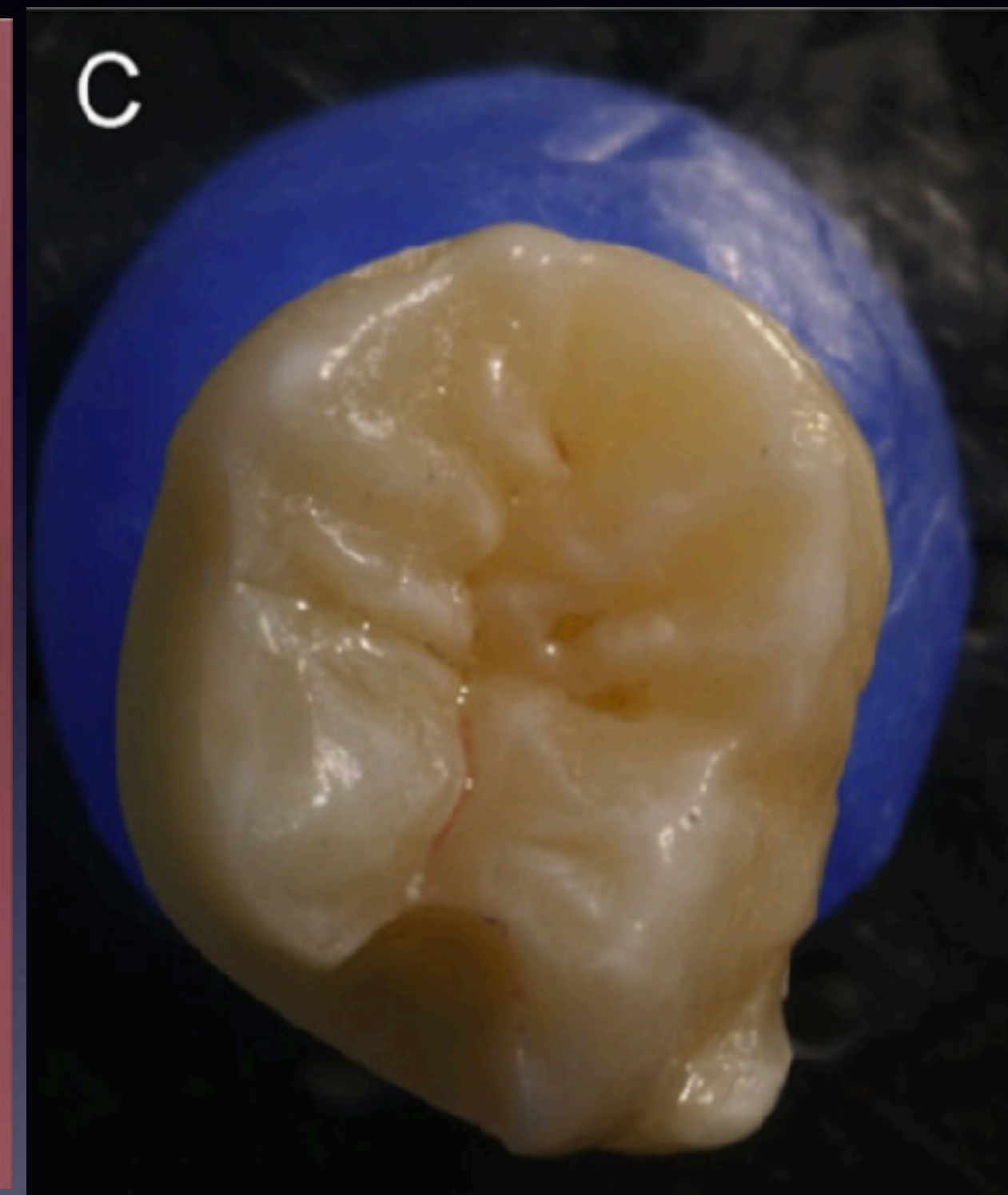




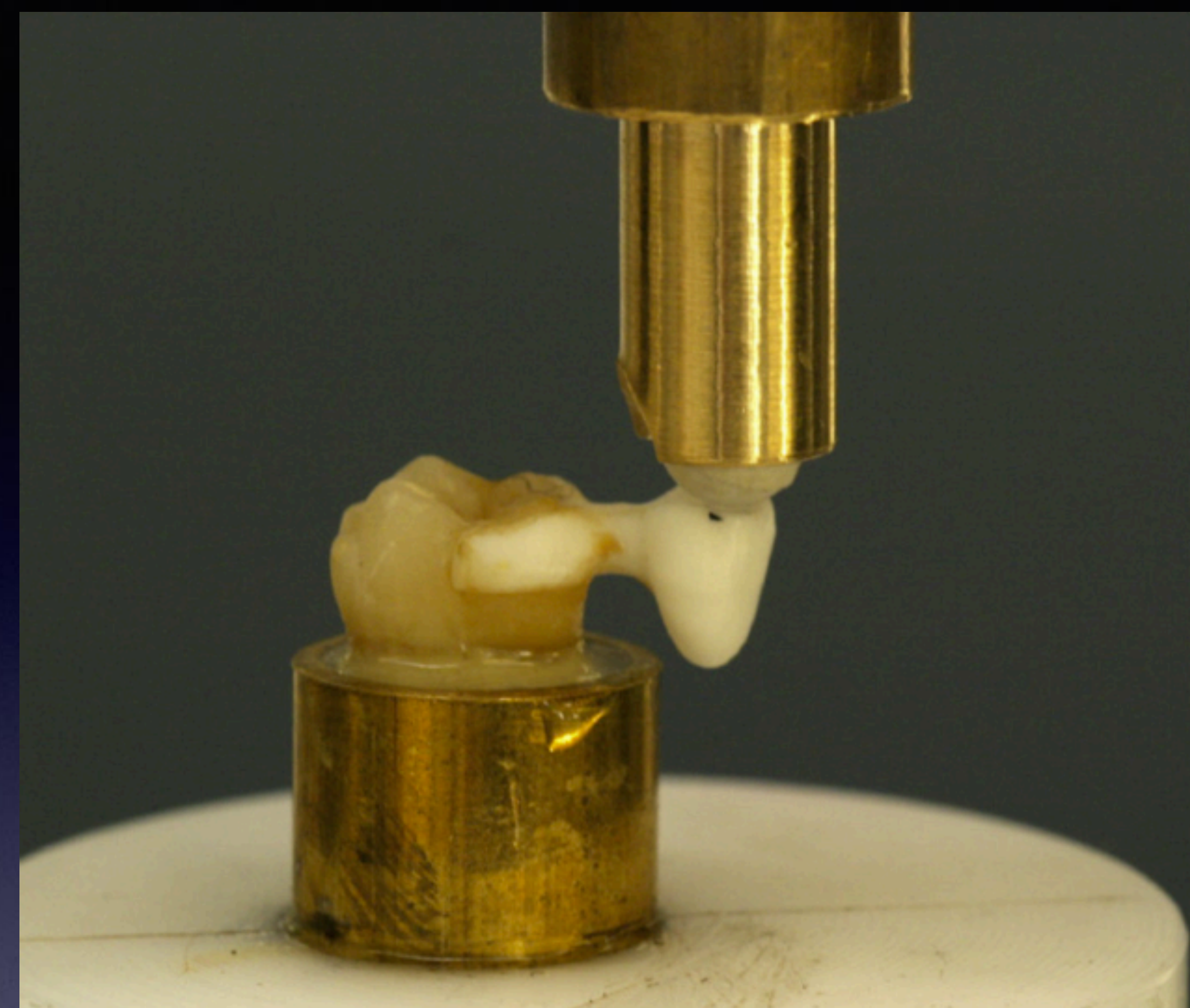
Prótese parcial fixa adesiva de 3 elementos apresentaram menor resistência à adesão do que prótese adesiva com cantiléver (2 elementos).

Prótese parcial fixa de 2 elementos deveria ser a opção preferida em relação à prótese adesiva de 3 elementos na substituição de pré-molares.









Bishti et al 2019- journal of prosthodontic research 63:347–353

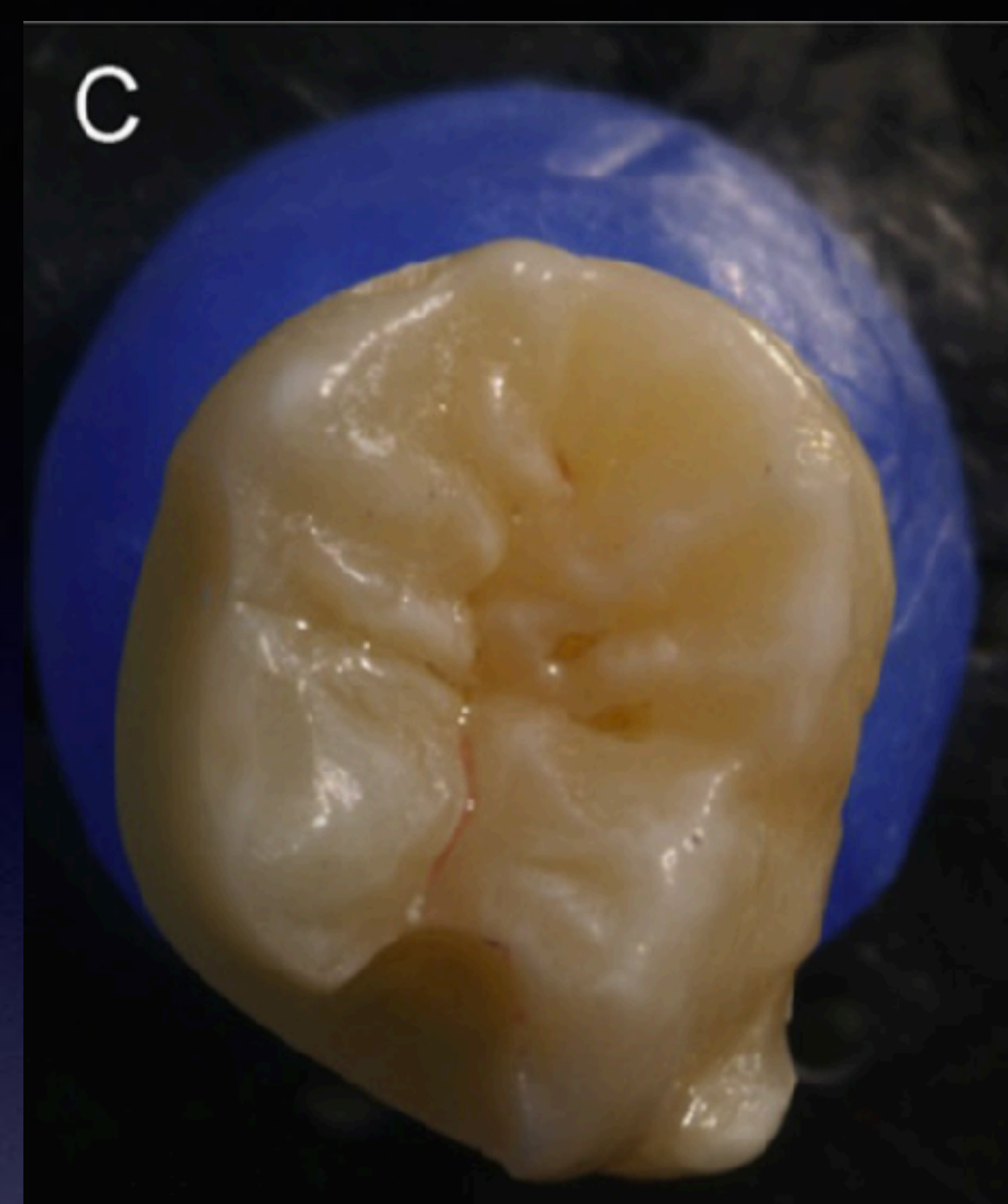




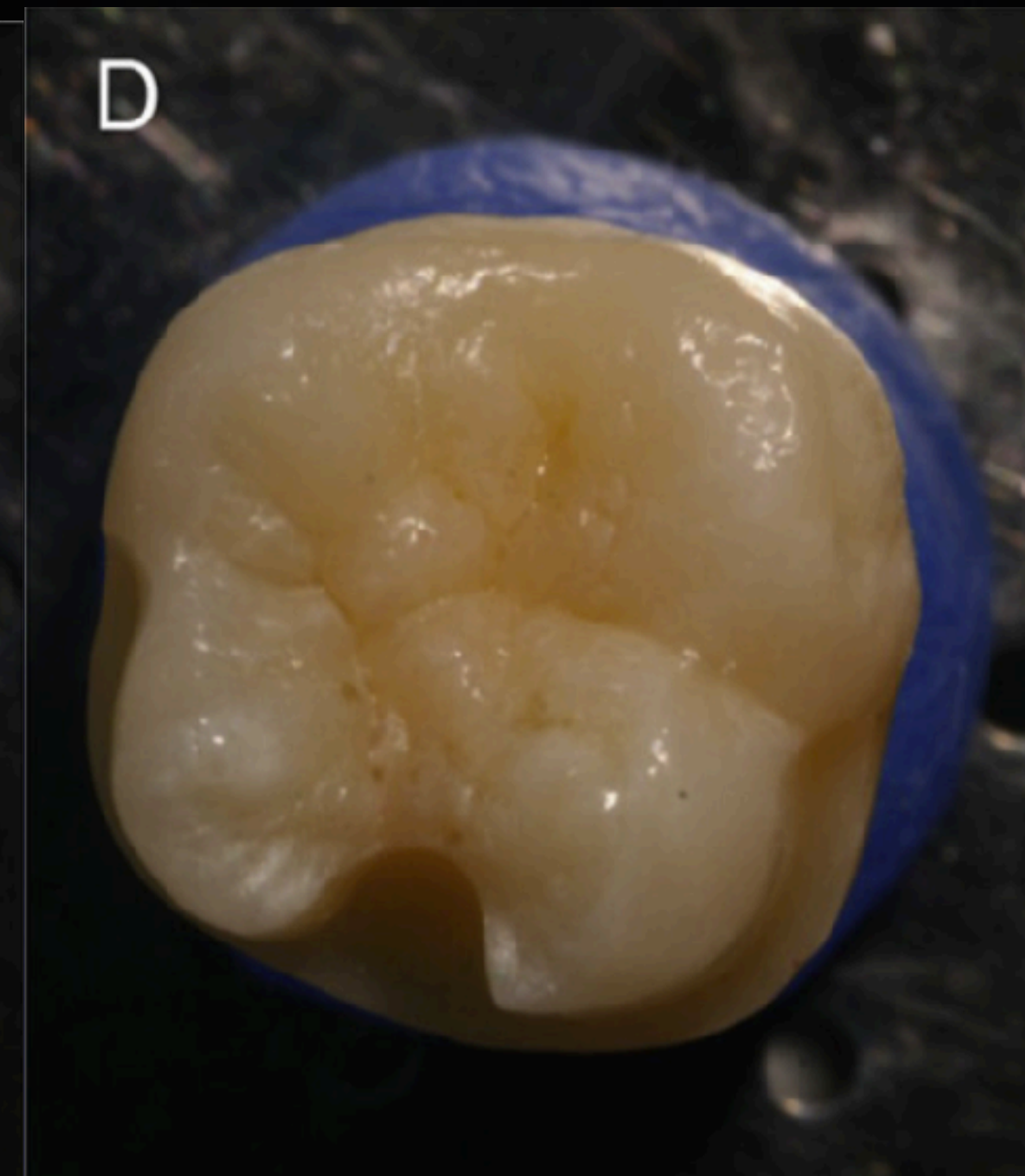
**105 N**  
**10,5 Kg**



**167 N**  
**16,7 Kg**



**147 N**  
**14,7 Kg**



**232 N**  
**23,2 Kg**

Em uma mastigação normal, as forças oclusais raramente ultrapassam **45 N a 67 N.**

(De Boever et al 1978; Bishti et al 2019)



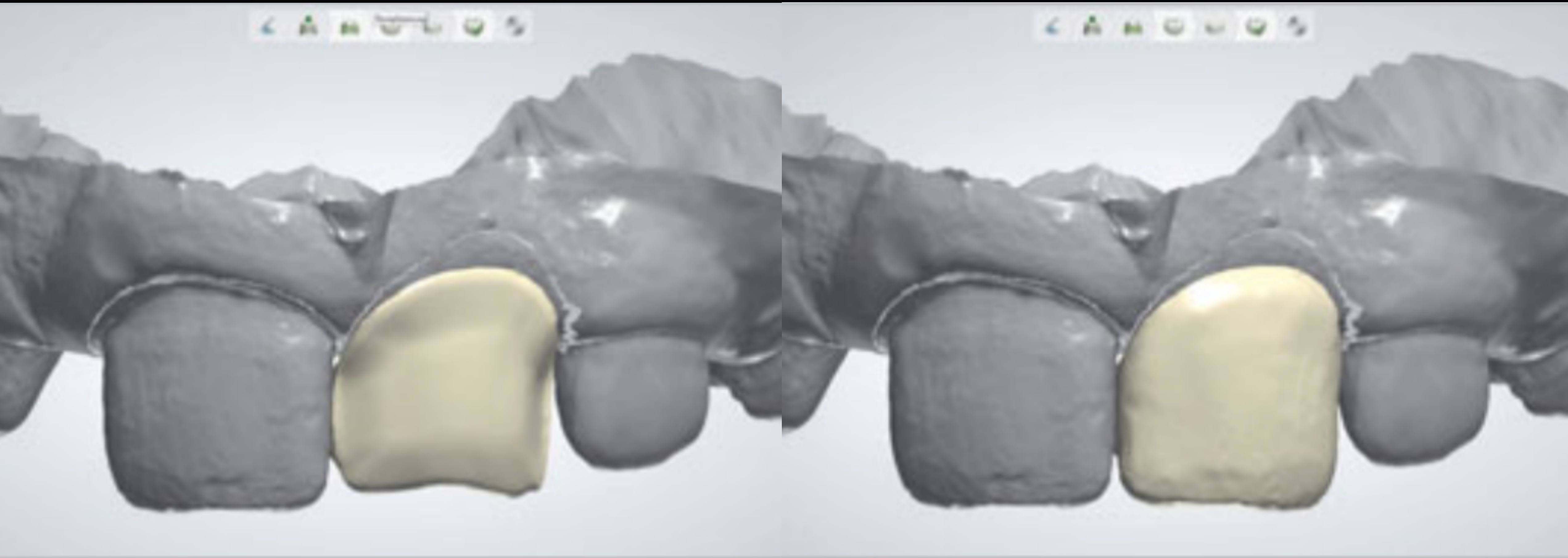
# **Prótese Adesiva Livre de Metal**





**Kern M 2018-** Single-retainer resin-bonded fixed dental prostheses as an alternative to orthodontic space closure (and to single-tooth implants). **Quint Int 49(10):789-798**





**Kern M 2018-** Single-retainer resin-bonded fixed dental prostheses as an alternative to orthodontic space closure (and to single-tooth implants). **Quint Int 49(10):789-798**





**Kern M 2018-** Single-retainer resin-bonded fixed dental prostheses as an alternative to orthodontic space closure (and to single-tooth implants). **Quint Int 49(10):789-798**





**Kern M 2018-** Single-retainer resin-bonded fixed dental prostheses as an alternative to orthodontic space closure (and to single-tooth implants). **Quint Int 49(10):789-798**



# DIGITAL CHAIRSIDE: MYTHS AND REALITY

25.mai.2020

Prof. Dr Petra Gierthmühlen

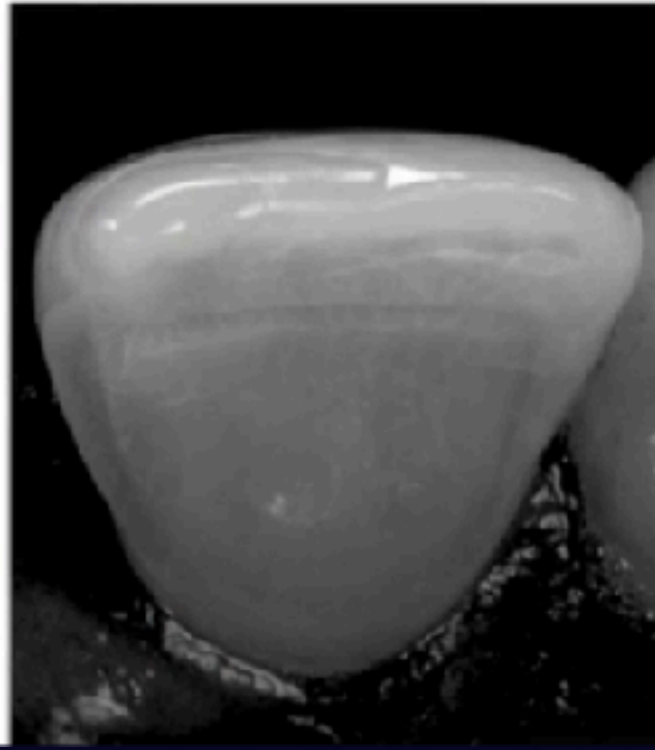
## One Wing Retainer Resin Bonded FDP



Prof. Dr Petra Gierthmühlen



# Resin Bonded FDP: Preparation Design

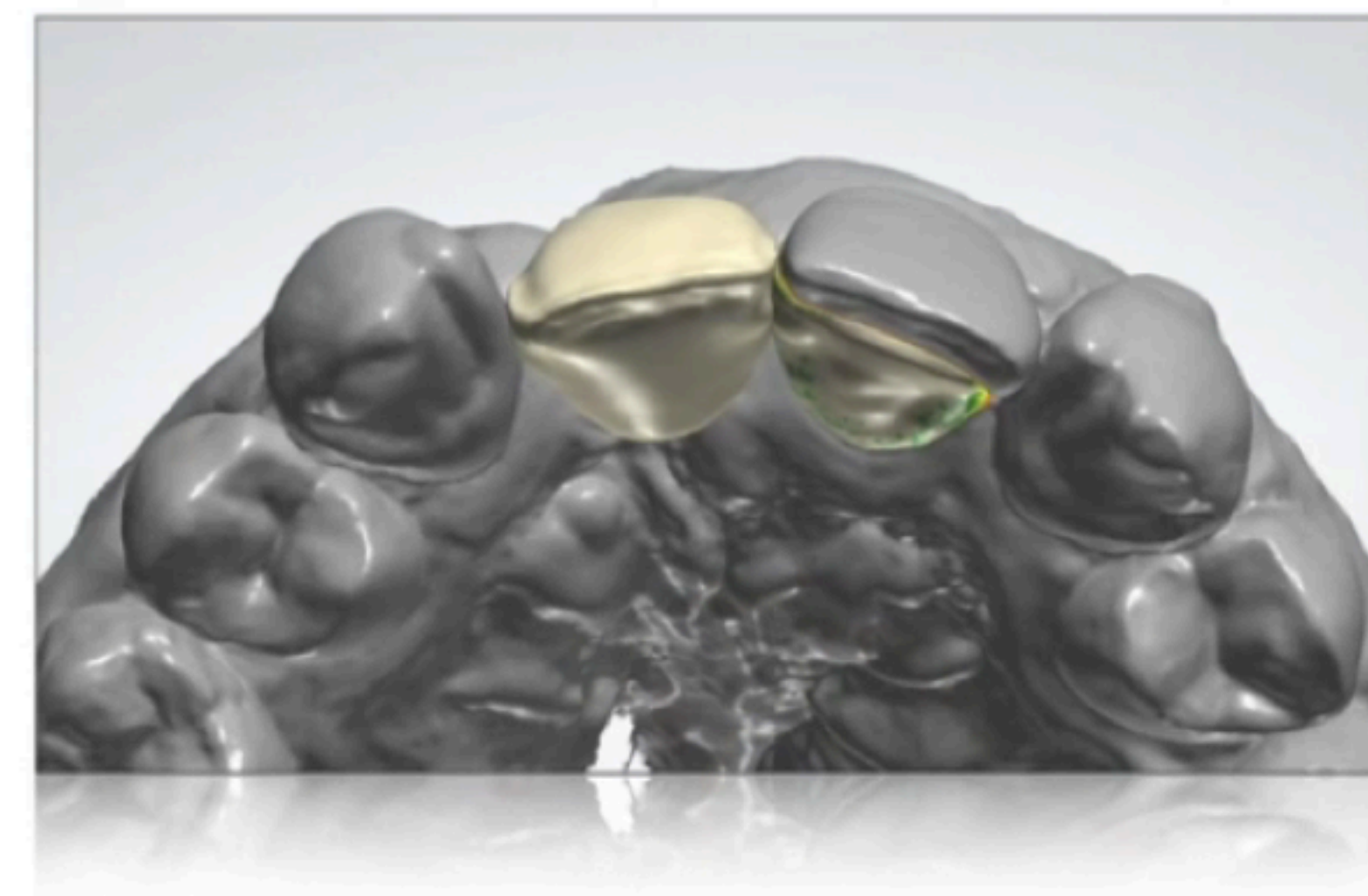
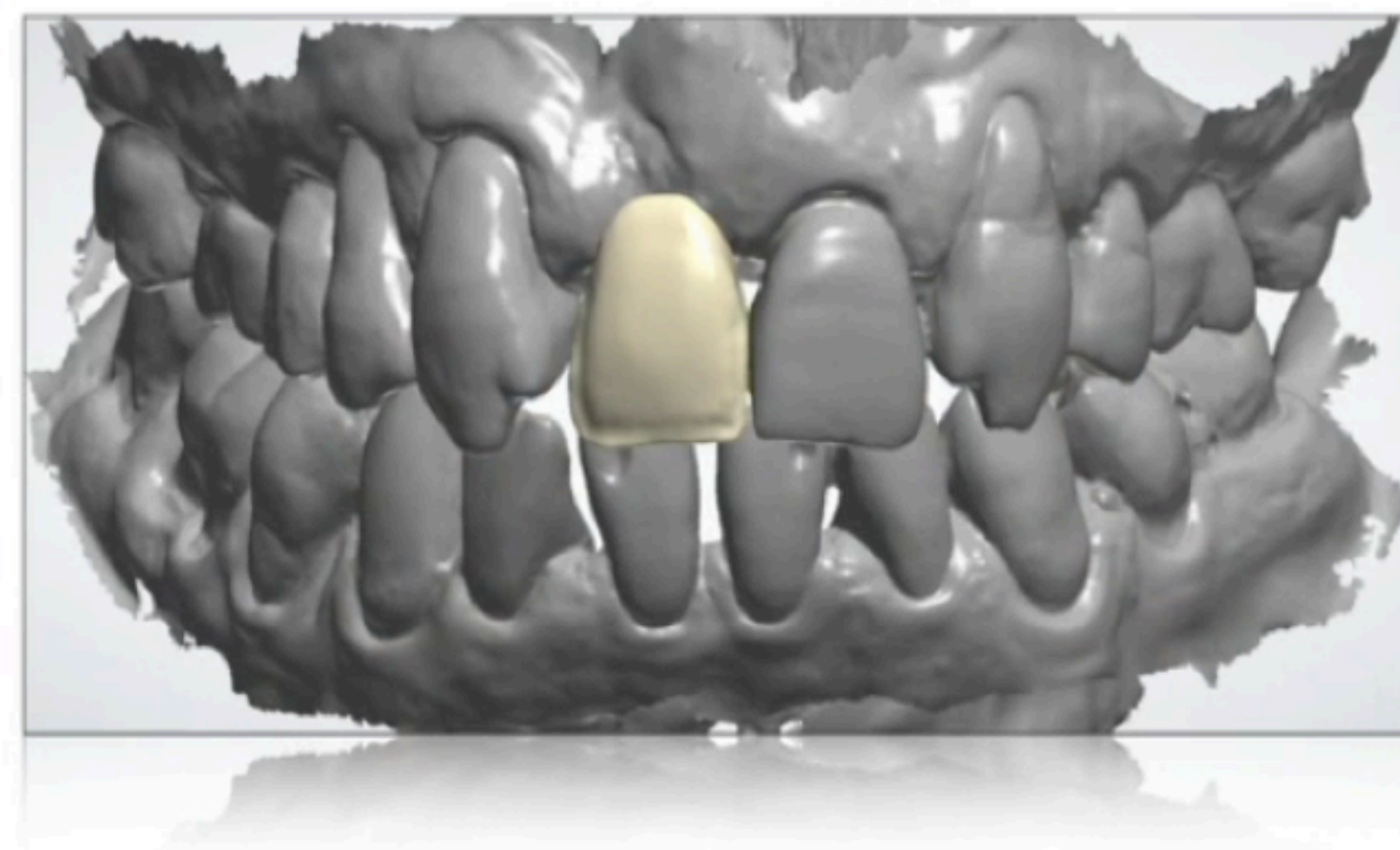




# Resin Bonded FDP: Preparation Design



# Resin Bonded FDP: Zirconia Core Design





Zirconia Core



Buccal Veneer

Resin Bonded FDP: Transfer Key





# Resin Bonded FDP: Transfer Key



# Resin Bonded FDP: Final Result





