

Singel krone påtannimplantat, kasuseksempler

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Behandlingsmål





*Tannlegen tilbyr
kanskje::*

Ets-bro

Enkelttanns-implantat



*Konvensjonell
bro*



....glansbilder?

ASTRA TECH

resultatet

komplett system for
tisk tannbehandling

iktekjenn
sterende maletekjenn
patentert fullkeramisk skjellet
styrken med 2 til 3 gange
genkontrast
som mot antagonistene
kompatibelt

pro estetikk

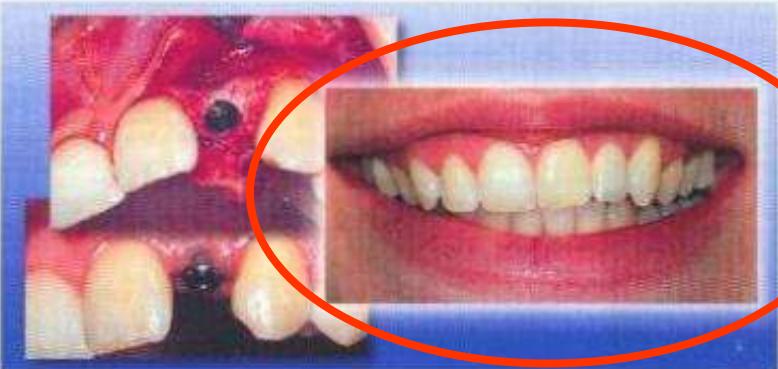
ale optiske egenskaper
lin transusene

surated restoration to treat the most challenging
indication for implants to date.
Unchallenged tissue response in combination
with the flexibility in surgical techniques and
prosthetic options makes the Astra Tech
Dental Implant a reliable option for implant

IPS Empress 2 fronttannbro

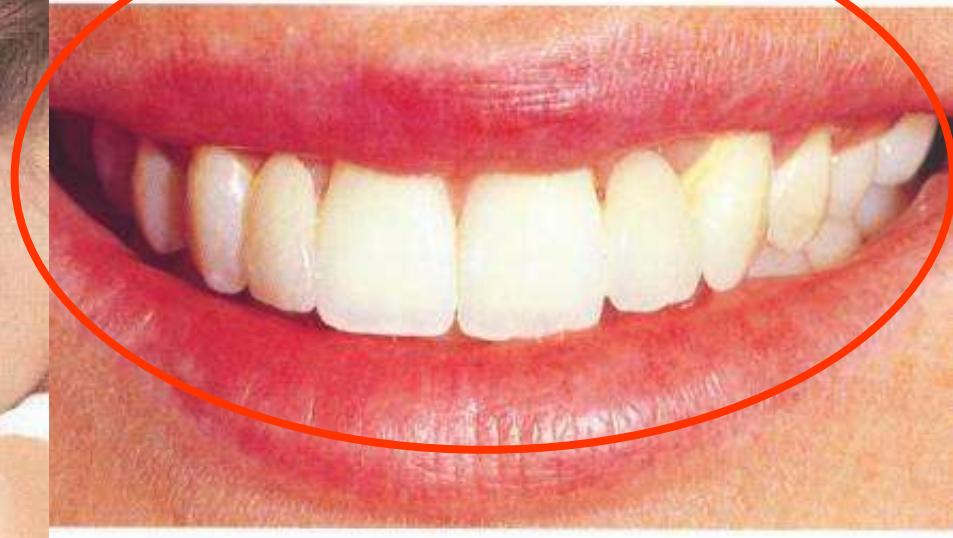


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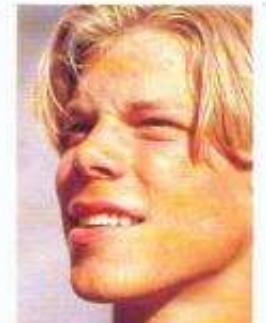


DPNOVA

RESULTAT



17-årig pojke som fått en Rochette-bro som ersättning för 21. (sid 6). Förlust orsakad av trauma.



CASE REPORT
One Step Empress 2

CLINICAL DATA
Scientific update on
Finsbury 2

CASE REPORT
Surf Tissue Sculpture 2

CALENDAR OF EVENTS

ASTRA
ASTRA TECH

..og med hensyn til implantat-krone



*Opak krone
pga feil akse?*



Perfekt resultat ?



Gingiva-retraksjon ?

Eksponert fikstur?

Nekrose nabotann?

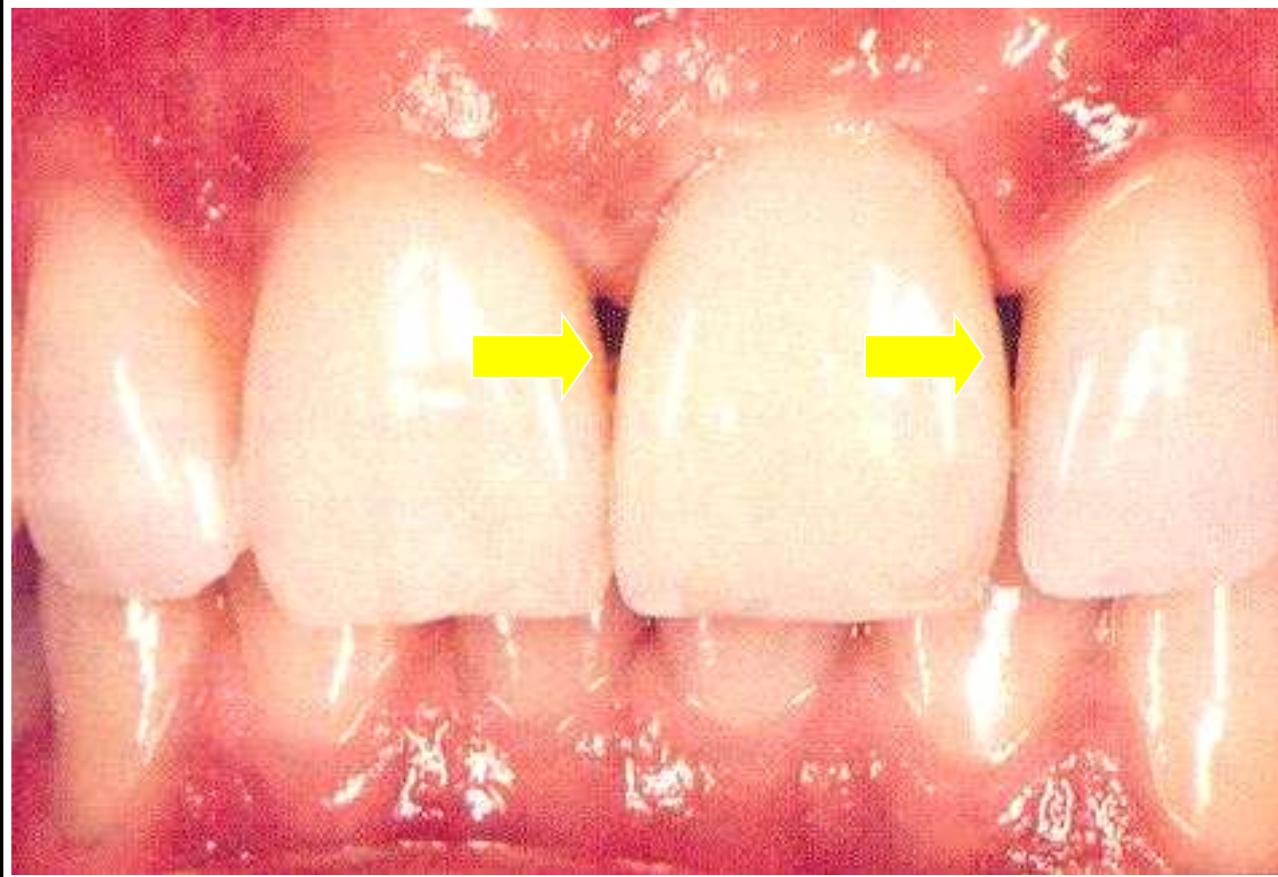


...og det bør vel velges et implantat "av god kvalitet"

Kompromiss mht estetikk



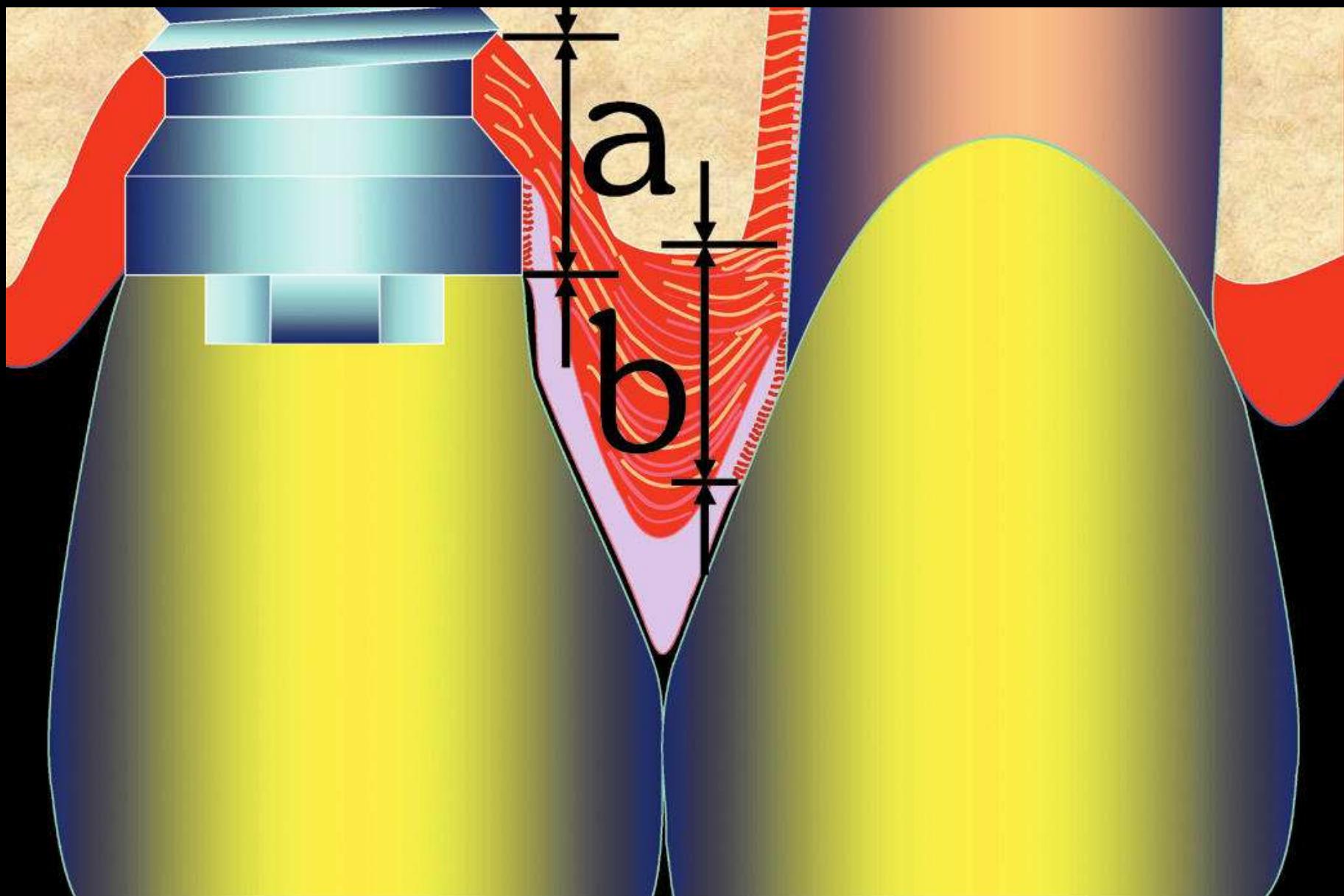
Problem kan oppstå

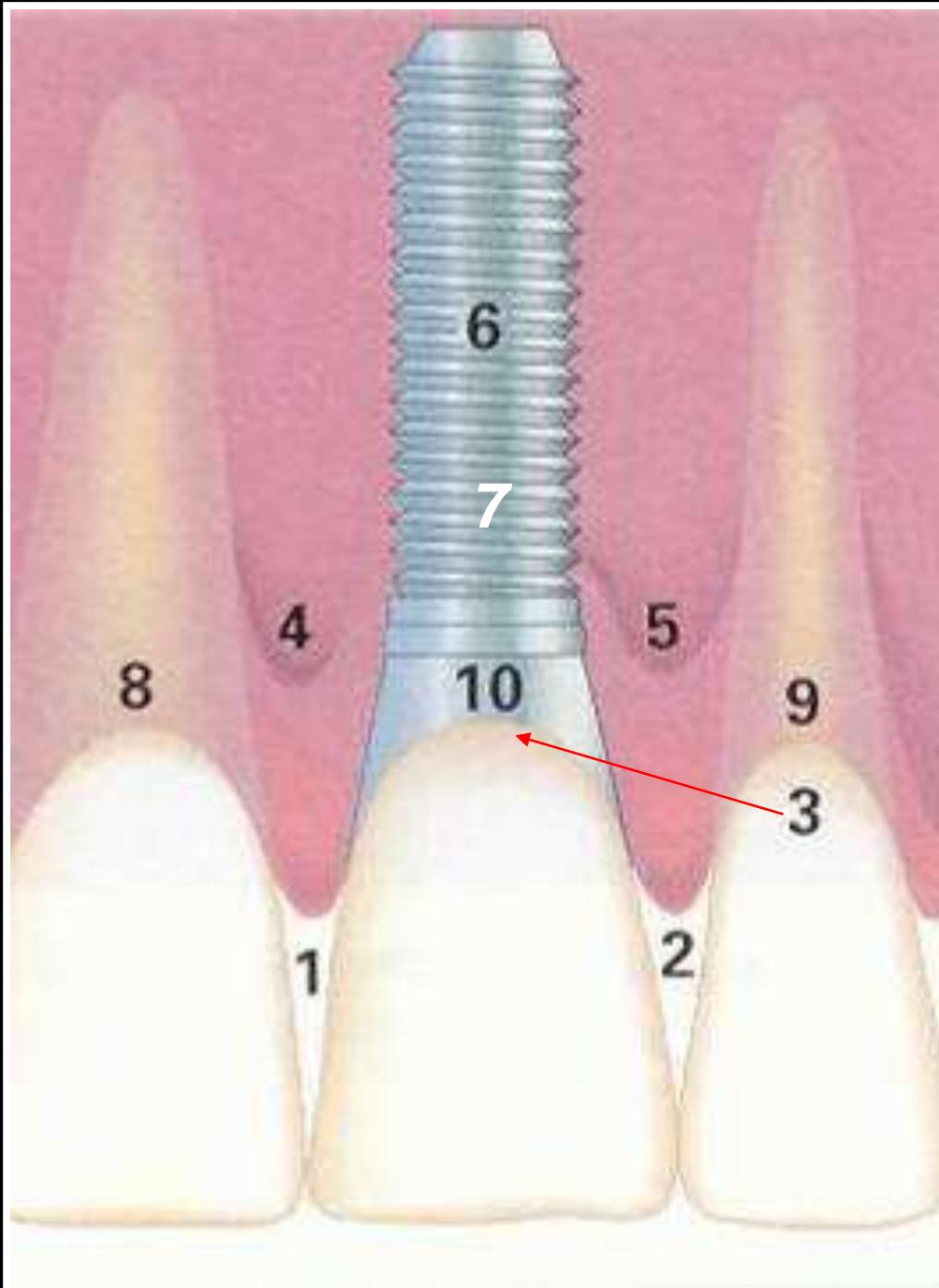


“Jemt Papilla index”



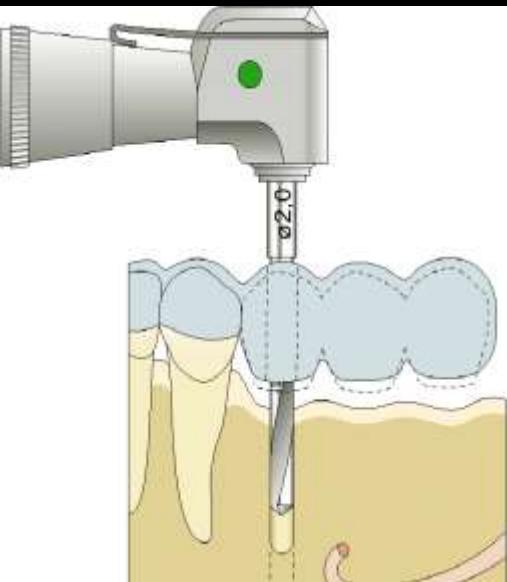
Tarnow et al. 2003 «biologisk bredde» på imp & tann



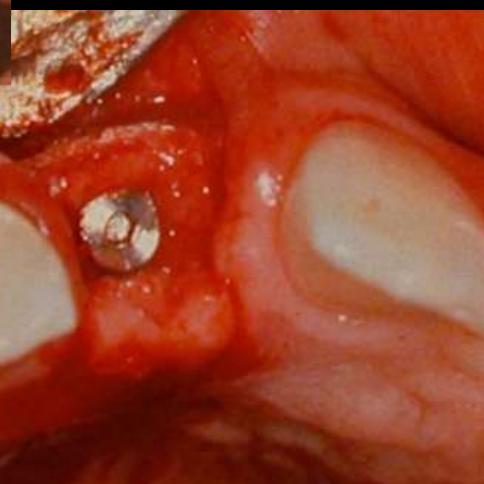
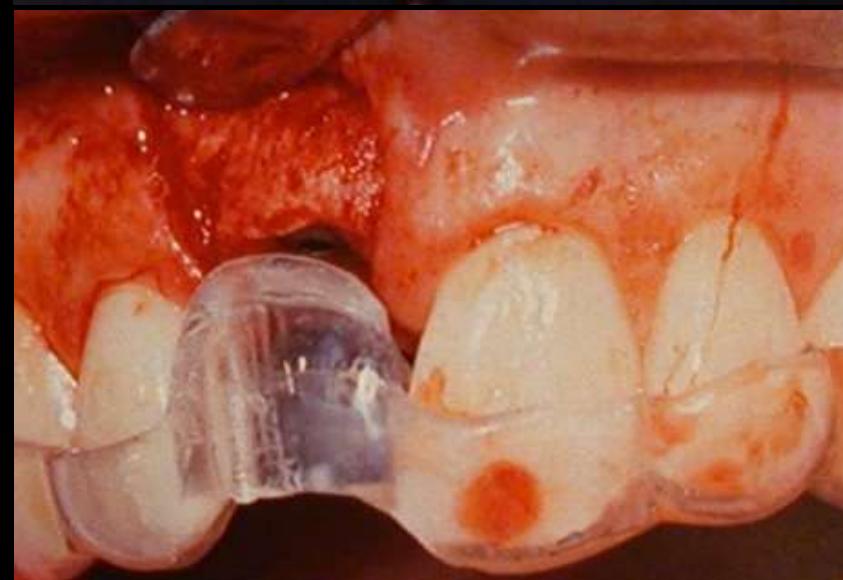
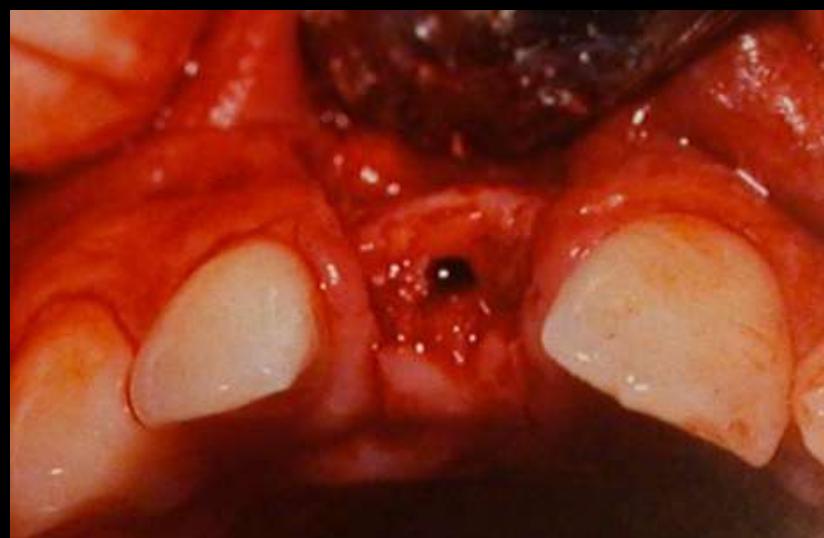
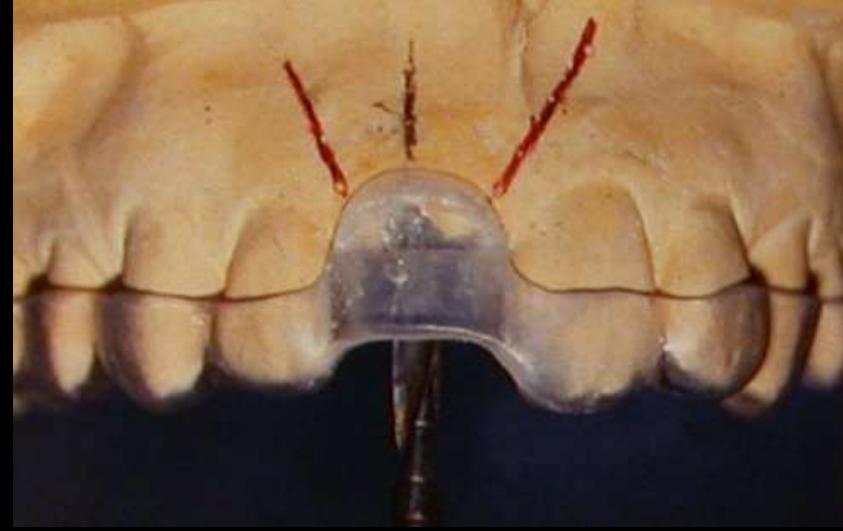


- 1) *Mesial papilla*
- 2) *Distal papilla*
- 3) *Marginal gingiva*
- 4) *Mesial intercrestal bein*
- 5) *Distal intercrestal bein*
- 6) *Implantat integrasjon*
- 7) *Presis implantat posisjon*
- 8) *Nabo marginal gingiva*
- 9) *Nabo marginal gingiva*
- 10) *Emergence profil vinkel*

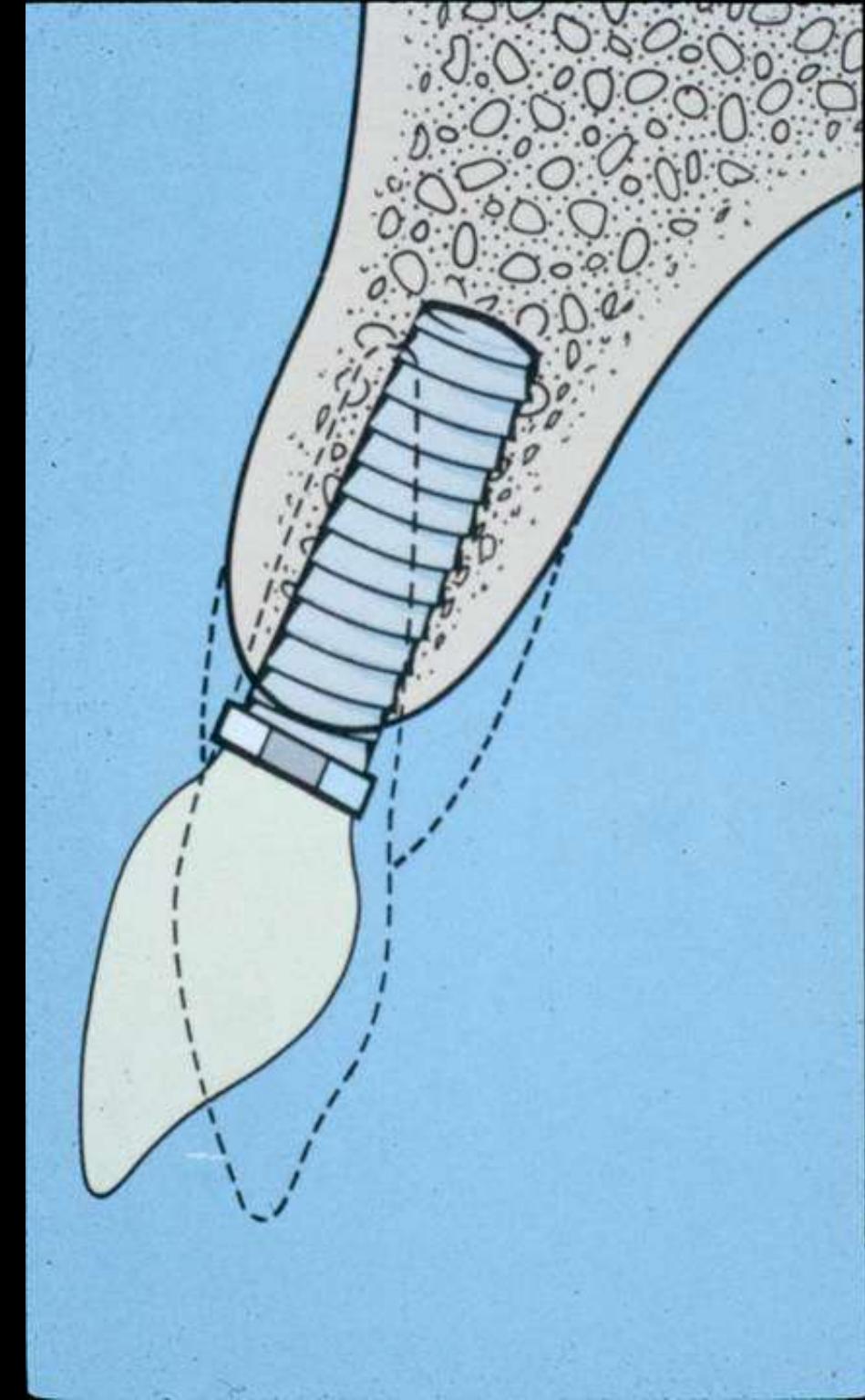
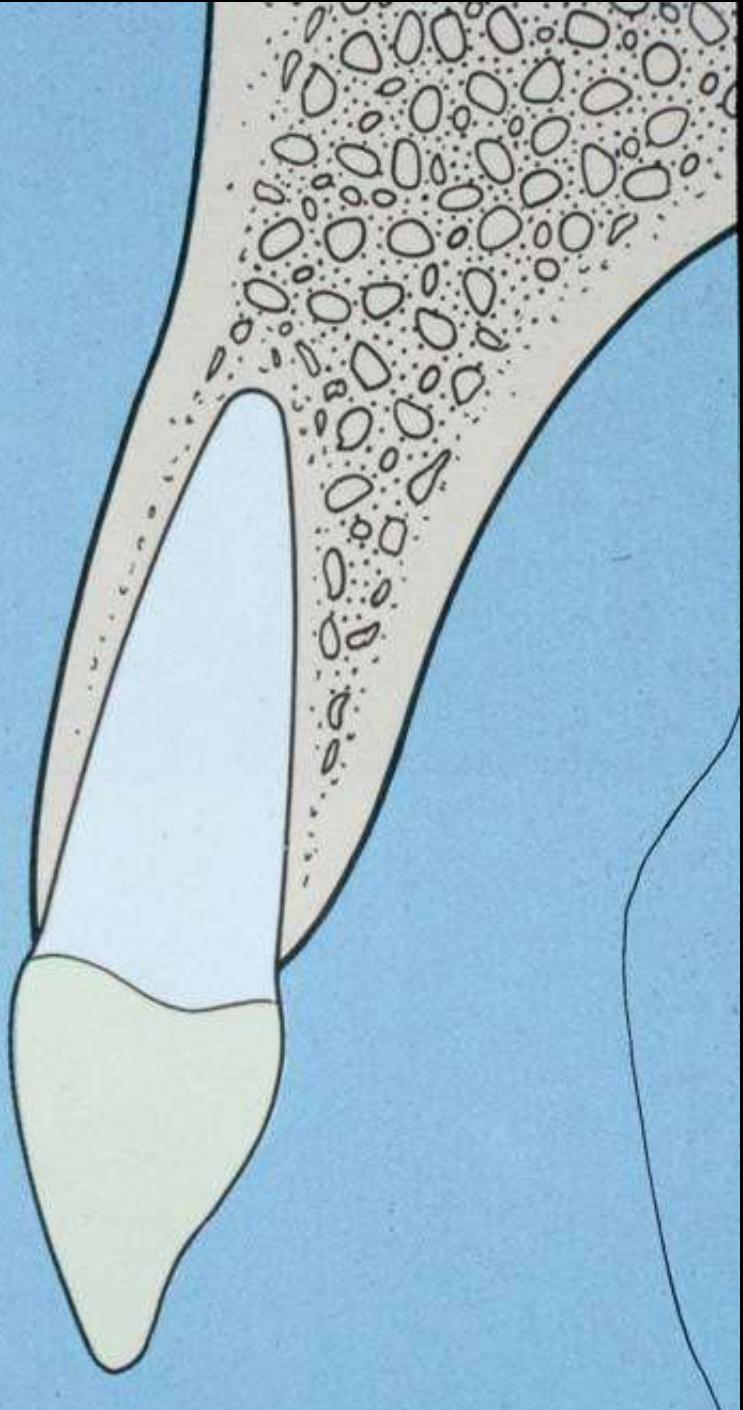
KIRURGISK GUIDE (Surgical Stent)

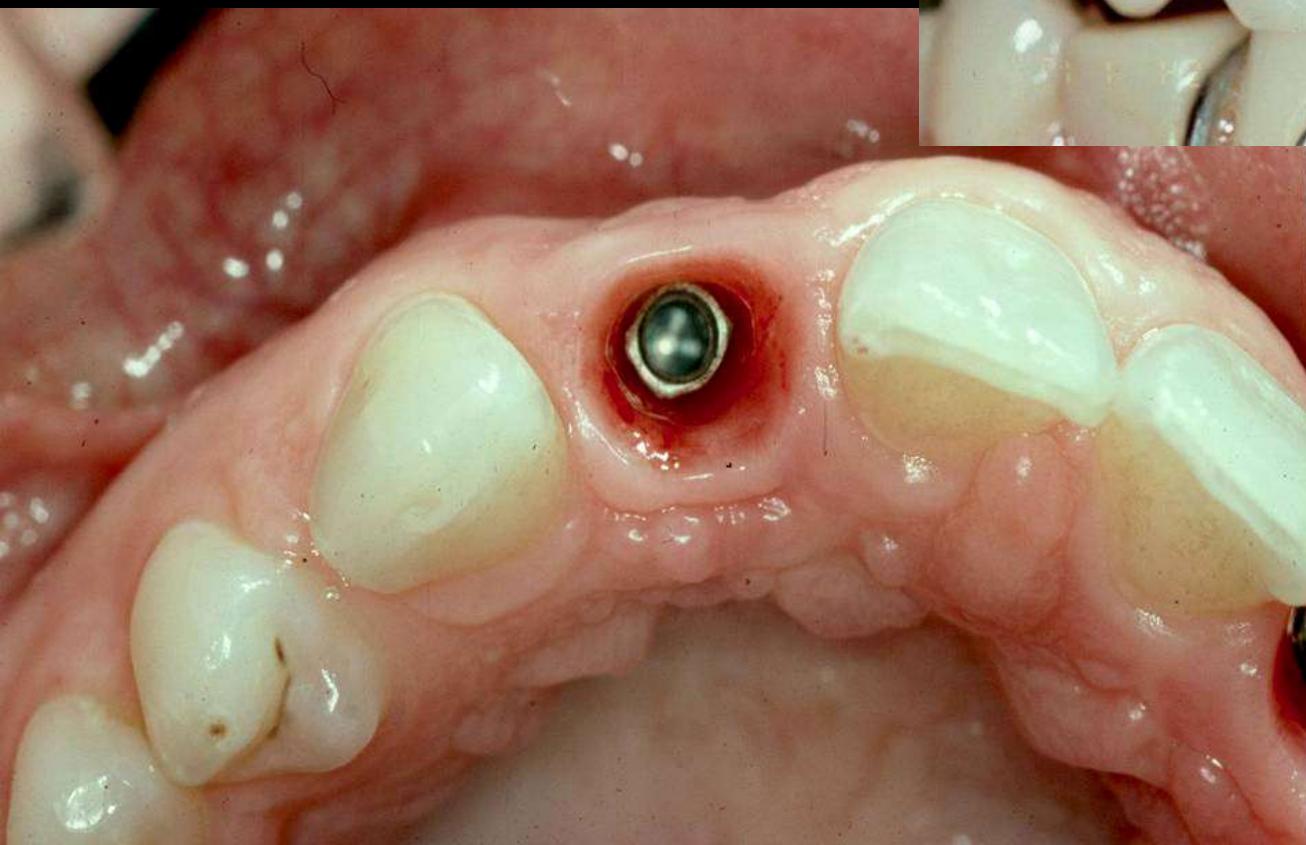
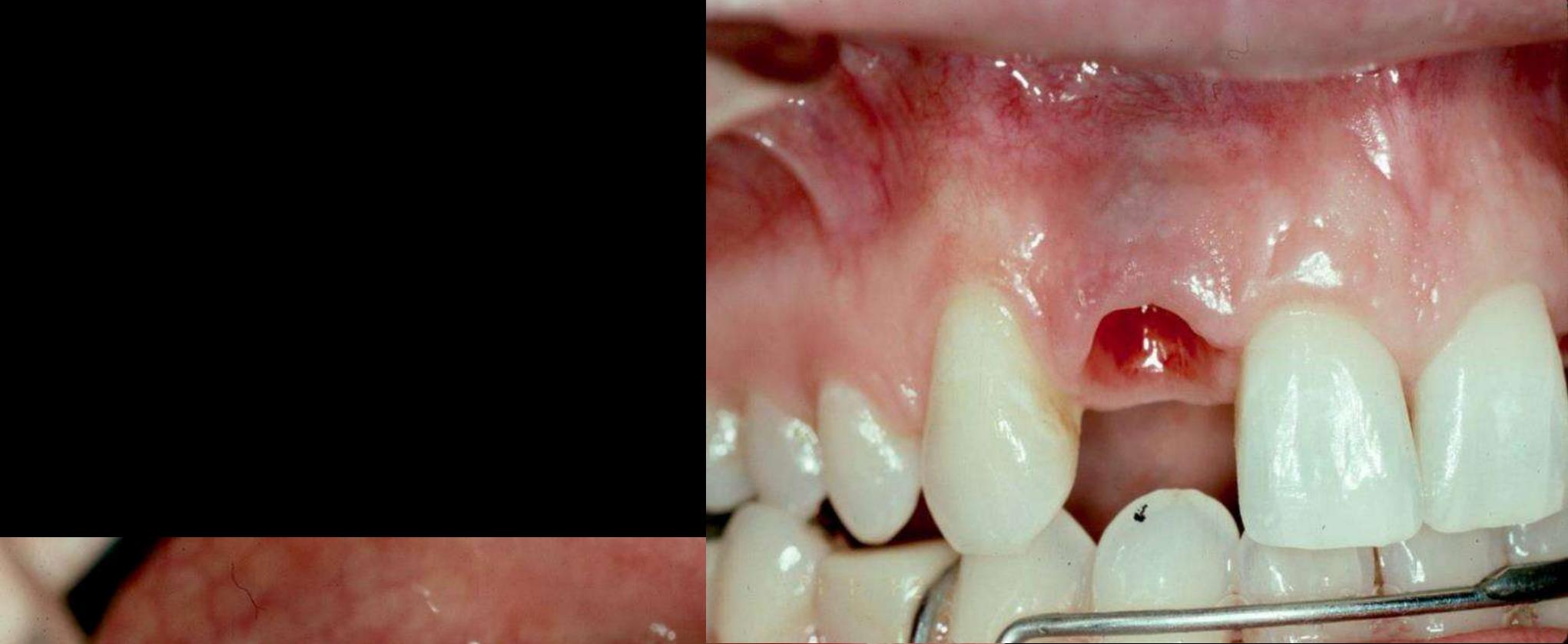


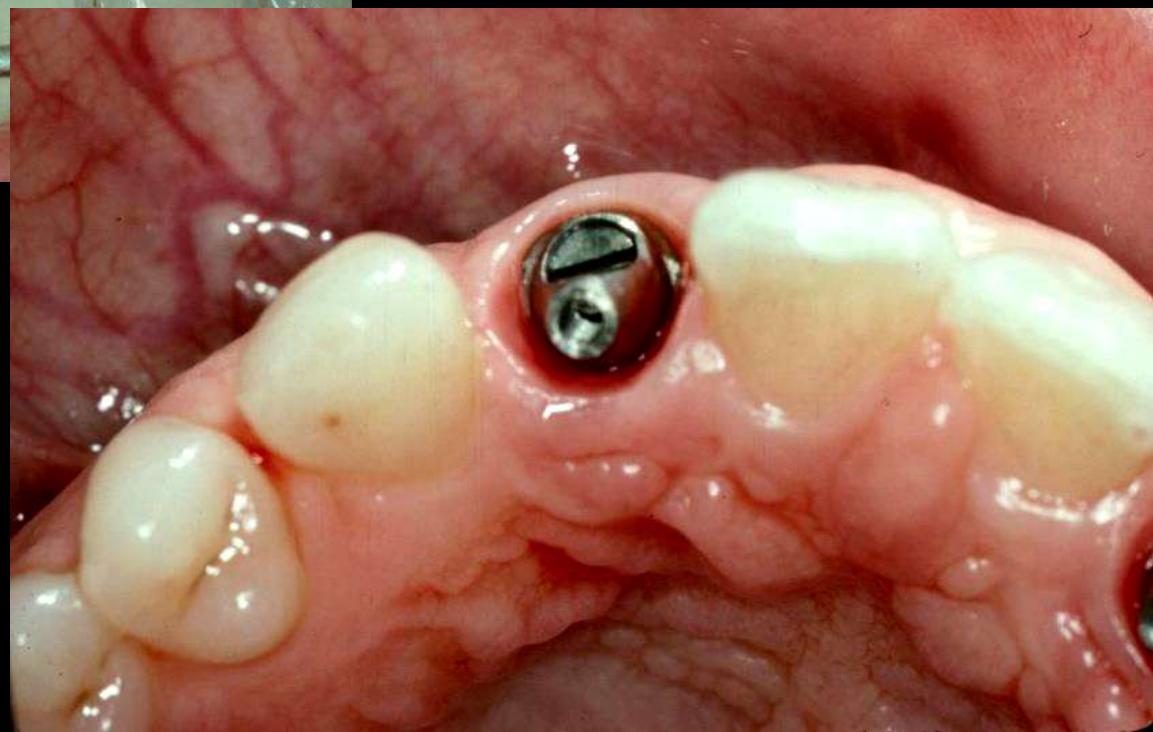




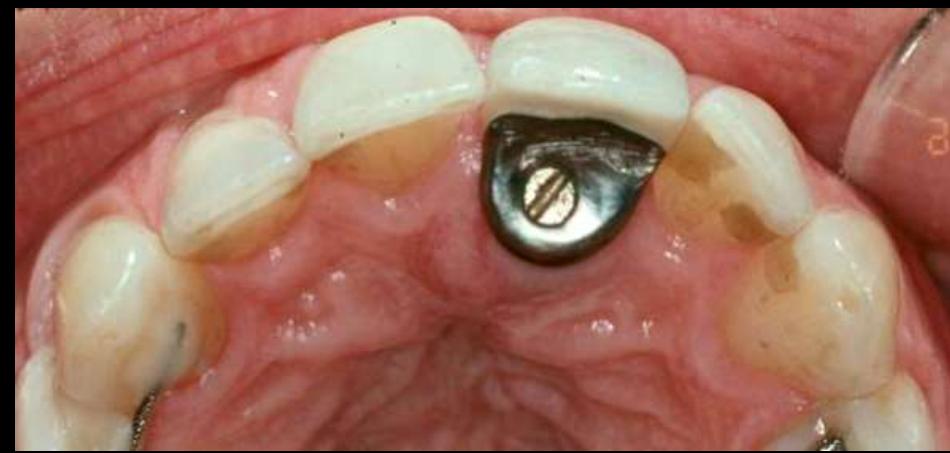
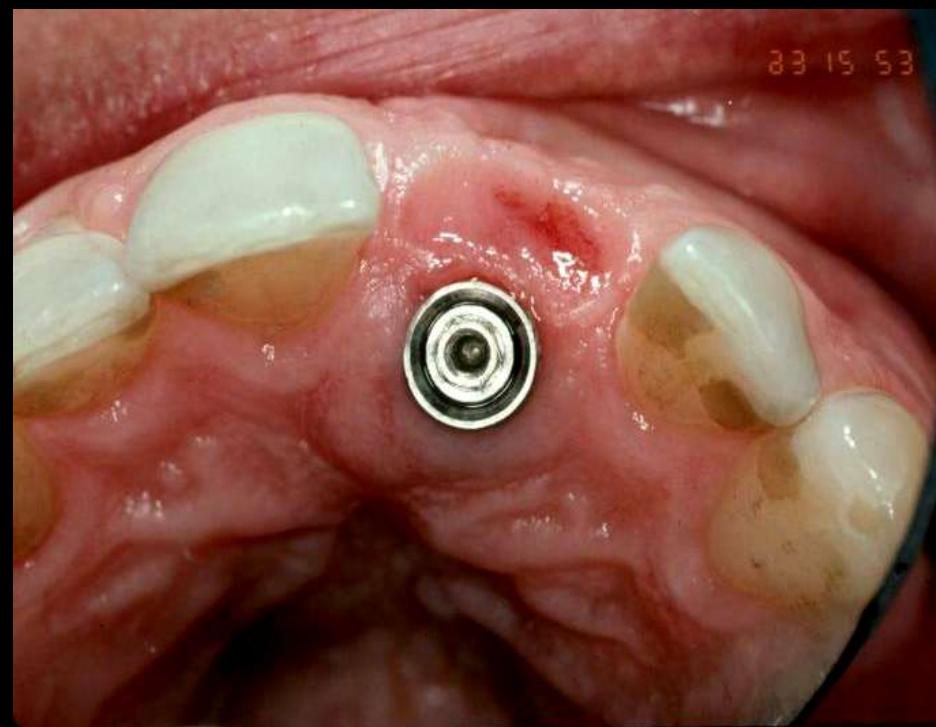
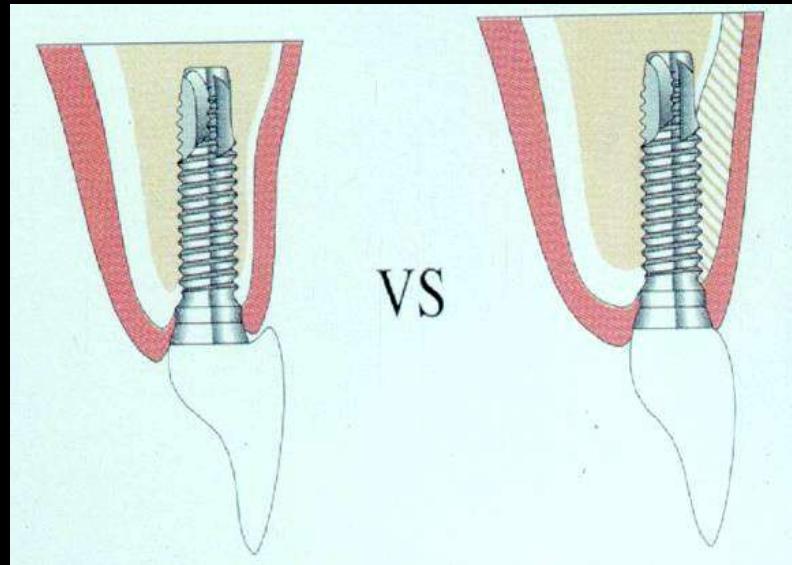
**NØDLØSNING - VINKLET
DISTANSE (PREFAB ELLER
CADCAM)**







**PALATINAL PLASSERING +/-
BEINOPPBYGNING**



Hvilket implantat er
best?

Identifiserte forskjeller: Hovedform



Rett-Rotform-Konisk-Ovoid-Trapesoid-Trinnvis...

Forbindelses-delen:

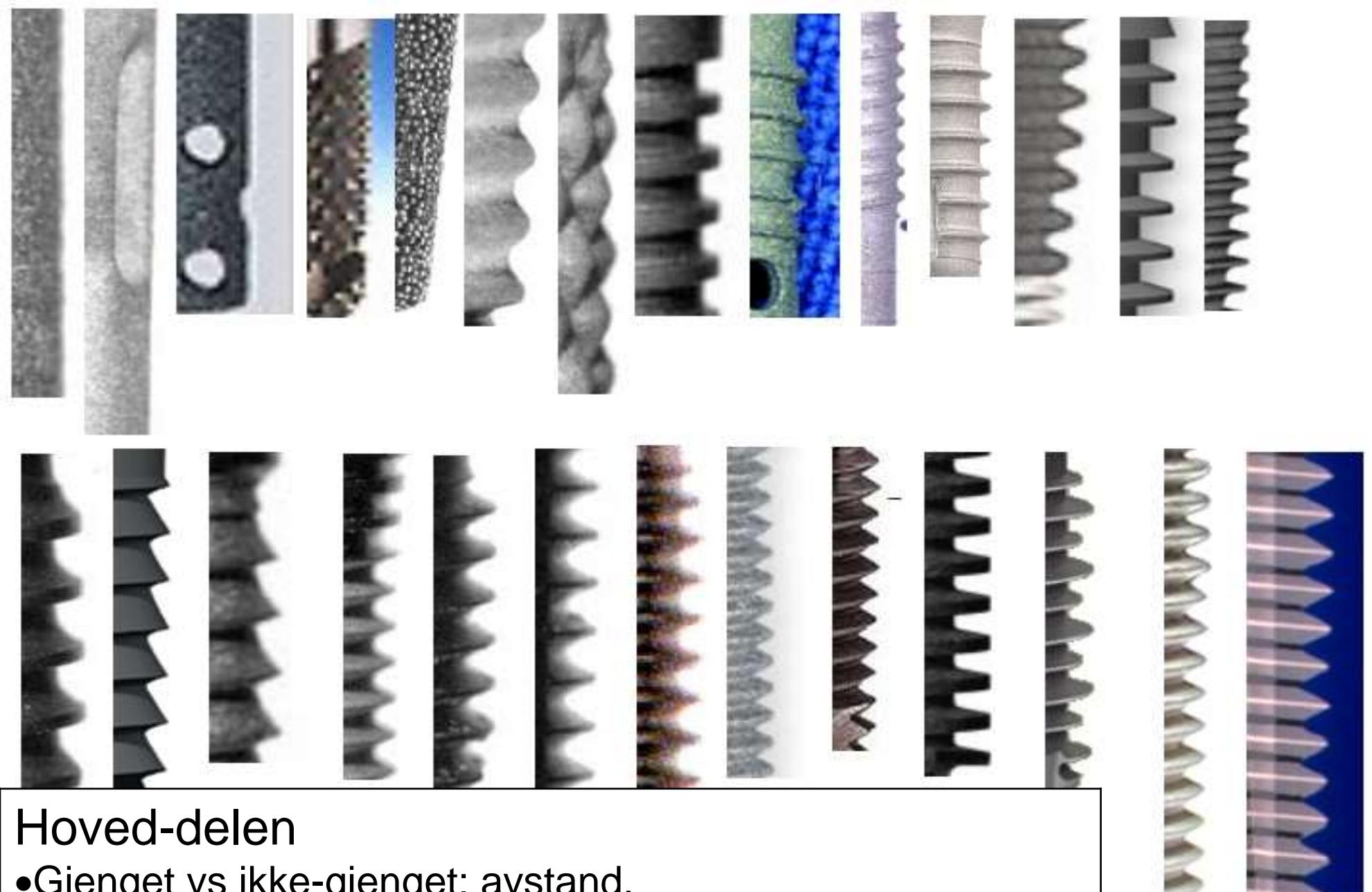
- Ekstern vs Intern
- Hexagonal vs Octagonal vs kilet
- Morse-koning
- Rotasjon vs non-rotasjon
- Ekstra anti-rotasjon detaljer
- Høyde & bredde
- Kant-i-k vs bevel
- Slip-fit vs friksjon-fit
- Resiliens vs nonresiliens



Hals

- Krage vs non-krage
- Bredere vs rett vs konisk krage
- Kragehøyde
- Polert vs gjenger
- Ekstra detaljer på kragen
- Overflate-topografi





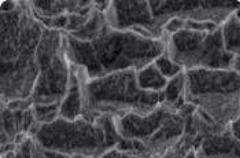
Hoved-delen

- Gjenget vs ikke-gjenget; avstand,
- V-form vs firkant vs reversert gjenget vs kombinasjoner
- Fure: form og dybde
- Mikroskopisk overflatetopografi

Apeks

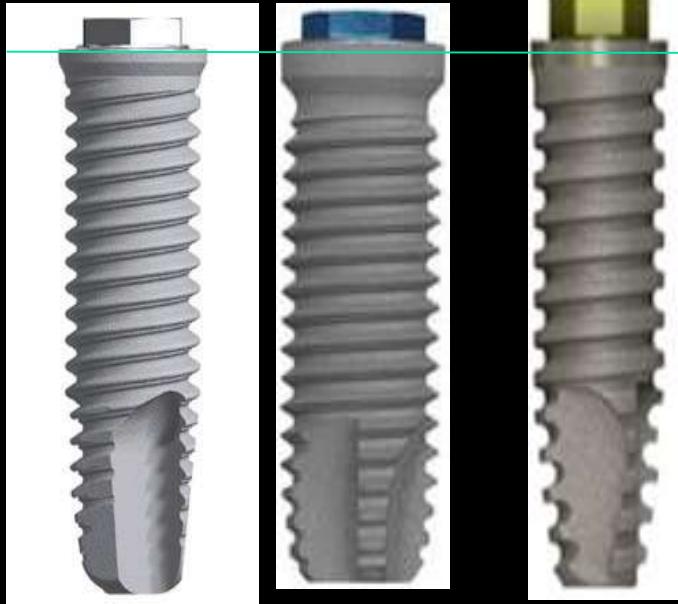


- Gjenget vs ikke-gjenget
- V-form vs flat vs avrundet apeks
- Hull, runde, avlange, størrelser
- Apikal kammer /hulrom
- Furer # & størrelser
- Ekspanderende
- Mikroskopisk overflatetopografi

<u>Behandlingsprosess</u>	<u>Overflate-topografi</u>	<u>Eksempel</u>
Syresett	Isotrop med høy forekomst av irregulariteter	HCl/ H_2SO_4 (Osseotite®, Biomet 3i) HCl/ H_2SO_4 + nano-størrelse Kalsiumfosfat (Nanotite®, Biomet 3i)
Syretts+ Ca-deponering		
Blastret	Isotrop	TiO_2 partikler (Tioblast®, Astra Tech AB)
Blastret + syretts	Isotrop	<p>1. Store Al_2O_3 partikler + HCl & H_2SO_4 (SLA®, Straumann)</p> <p>2. Tricalcium fosfat + HFA + NO_3 (MTX®, Zimmer)</p> <p>3. TiO_2 partikler + HFA (Osseospeed®, Astra Tech AB)</p>
Hydroksiapatitt	Relativt ru isotrop	Sustain® (Keystone)
Oksidert	Isotrop med forekomst av krater-strukturer	TiUnite® (Nobel Biocare AB)
Titanium Plasma Spray (TPS)	Relativt ru isotrop	ITI® TPS (Straumann AG)
Maskinert	Skjæremerker produsert en orientert anisotrop	Bränemark System® MKIII (Nobel Biocare)

Forskjellig vertikal plassering ihht produsent

*Ekstern
forbindelse*



Brånemark (Nobel Biocare)

Full Osseotite (Biomet 3i)

*RBT ekstern
(Biohorizons)*

Intern forbindelse



Ankylos (Dentsply Friadent)

Replace Select (Nobel Biocare)

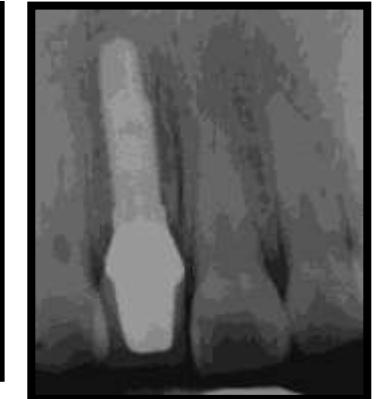
Osseospeed (AstraTech)

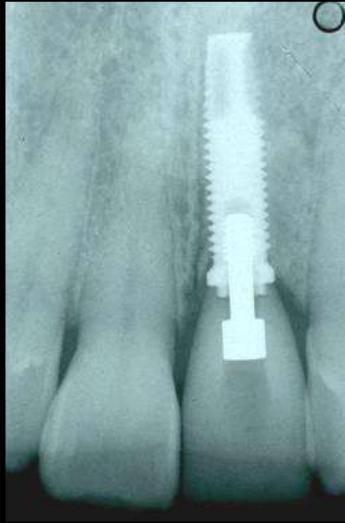
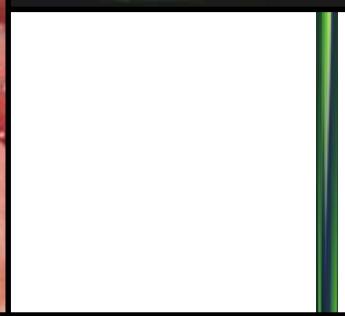
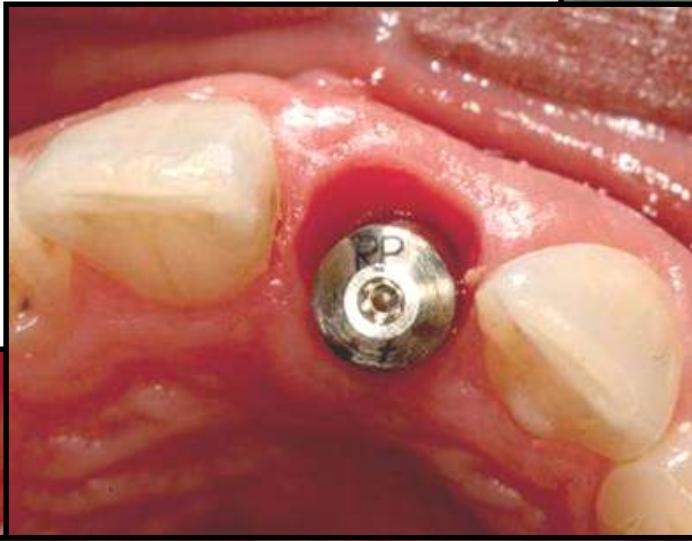
Bone Level (Straumann)

KASUS

1. TRAUMA & INTAKTE NABOTENNER

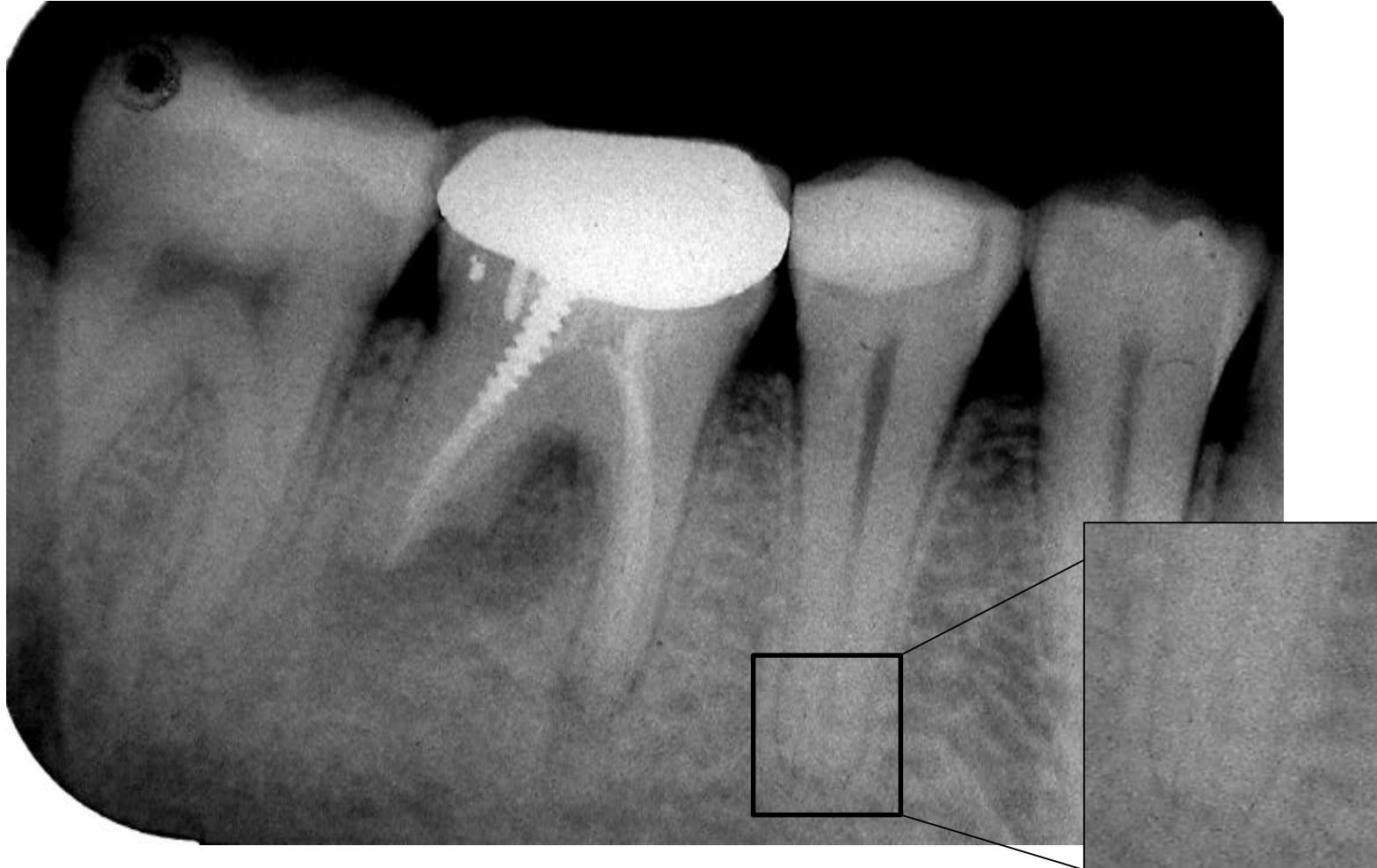
Vanligst – gammel traumeskade & intakte nabotenner





USIKKER ROTFYLLING –ENDOREVISJON ELLER EKSTRAKSJON & TANNIMPLANTAT

Pasientkasus #2 : Usikker rotfylling



Lin, 2009

Pasientkasus #2 : Usikker rotfylling



Lin, 2009

Pasientkasus #2 : Usikker rotfylling



Lin, 2009



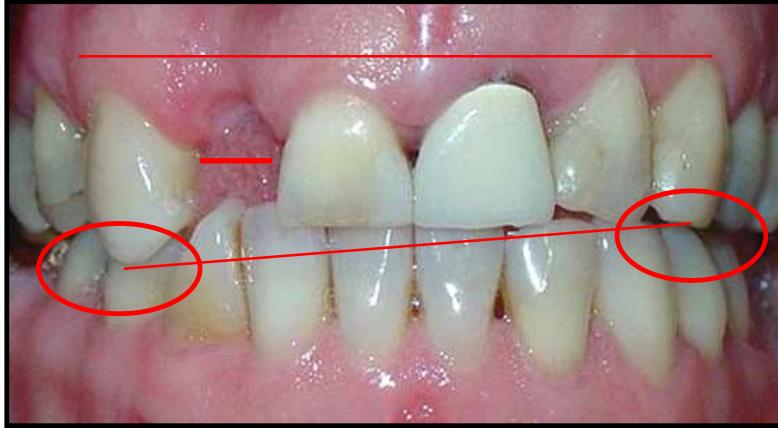
3. SINGELTANNSLUKA I FRONTEN – ER EN IMPLANTATLØSNING ALLTID BEST?

Ønskelig kontra
realistisk mulig resultat

Kirurgi for singel-implantat kan
noen ganger gi overraskelser!



Pasientkasus #3: Krone på implantat eller bro?



Lin 2007

Behandlingsplan

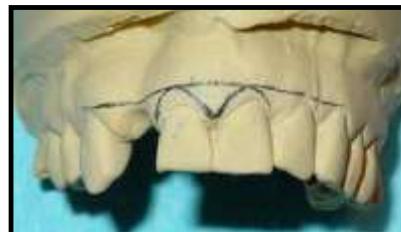
1. Endo 11 og 21 vurdering
2. Preliminær kronepræparerering 11 & 21 med temporære kroner
3. Kroneforlængning 11-21 & bløtvevsplastikk 12
4. temporære kroner
5. 3-leddsbro x-11-21

Pasientkasus #3: Krone på implantat eller bro?



Lin 2007

Pasientkasus #3: Krone på implantat eller bro?



Manglende tannanlegg, lateraler



Kjeveortopedi før singel-implantat kan onoen ganger gi overraskelser!



Konvensjonell bro

Tl. Arild Mo 2012

Planlegging, planlegging, planlegging

The SAC Assessment Tool

[click to continue](#)

S Straightforward

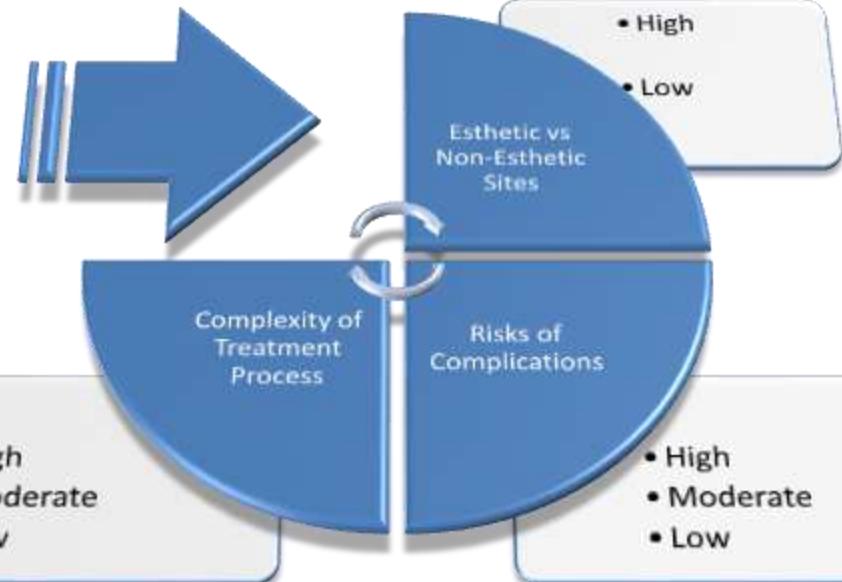
A Advanced

C Complex

<http://www.iti.org>



General Determinants



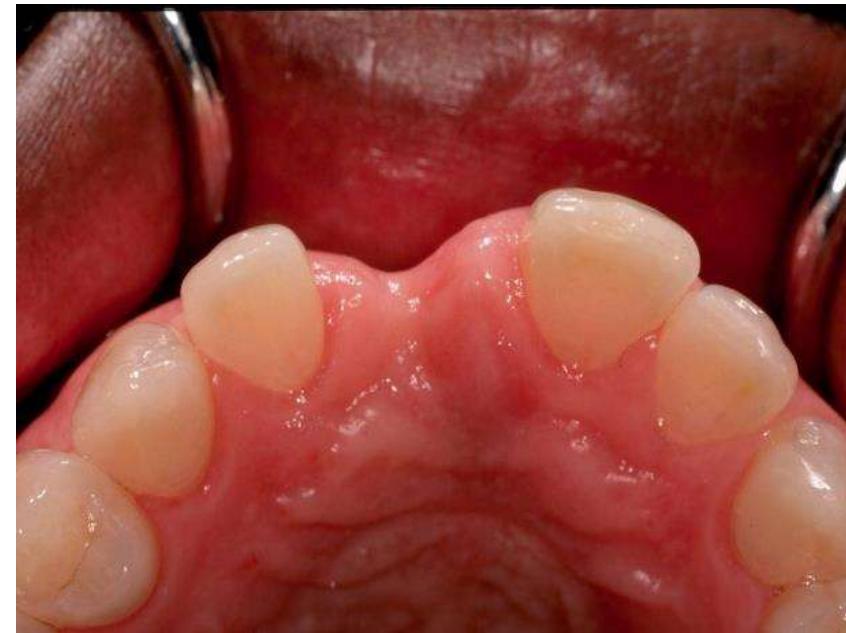


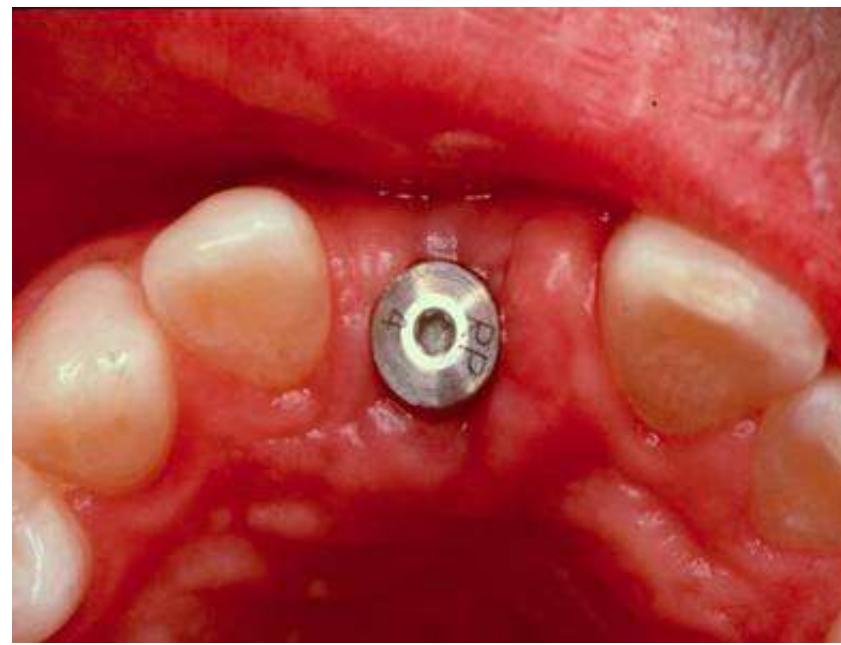
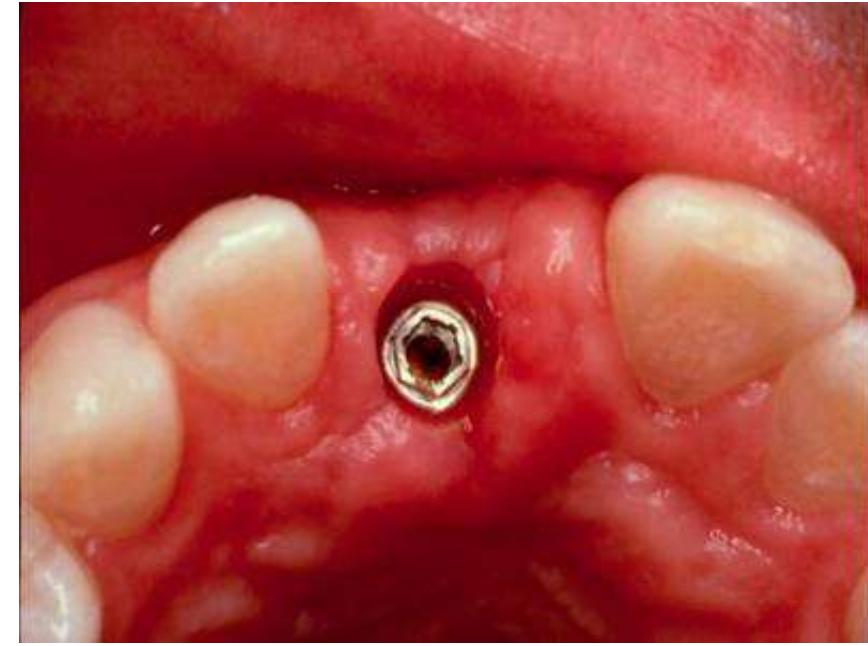
PERIOAKTIVE RØYKERE SOM ØNSKER IMPLANTATER POSTERIORT

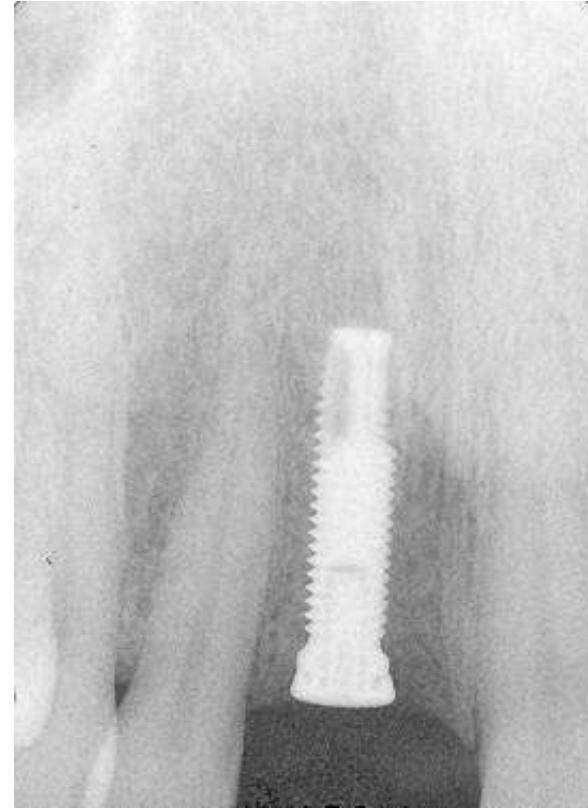
Pasientkasus #4: Implantat posteriort okj.



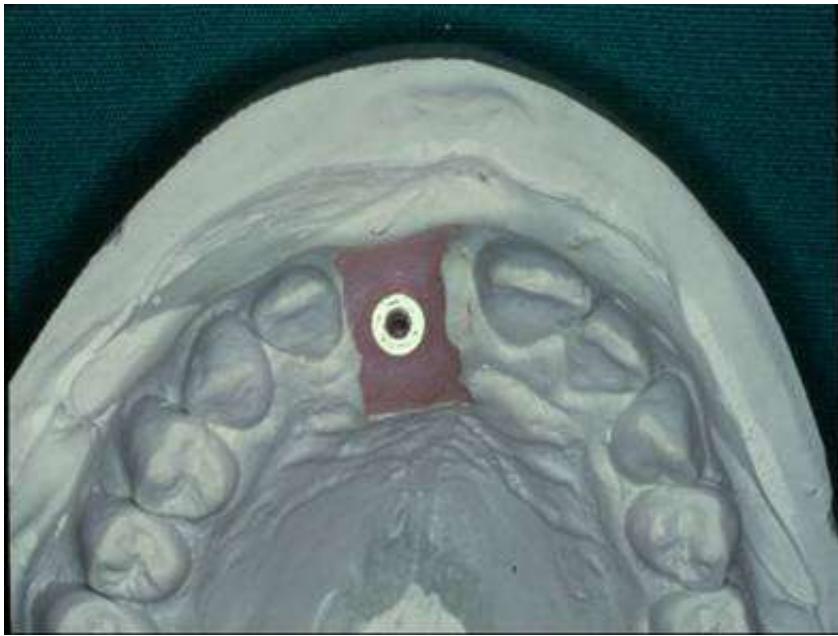


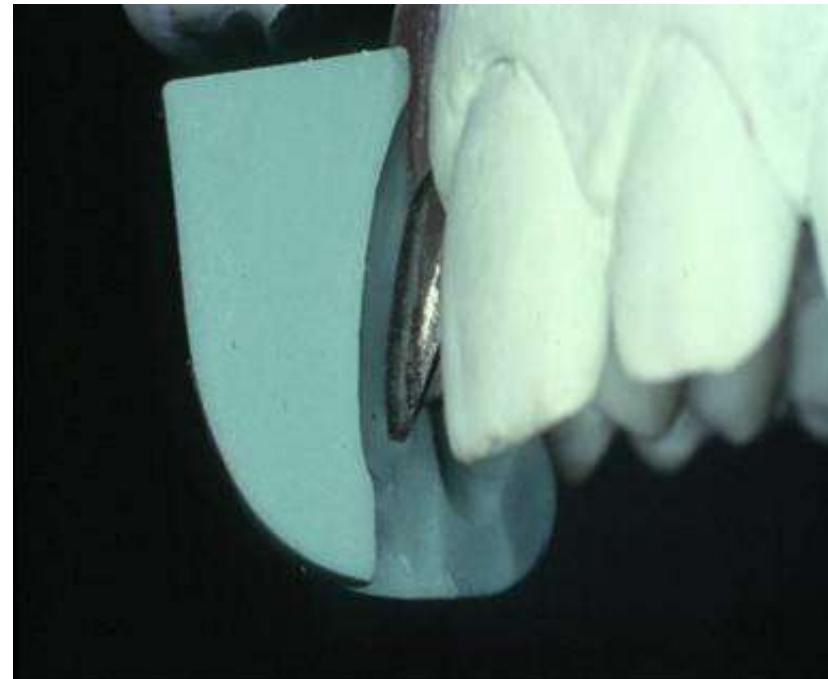
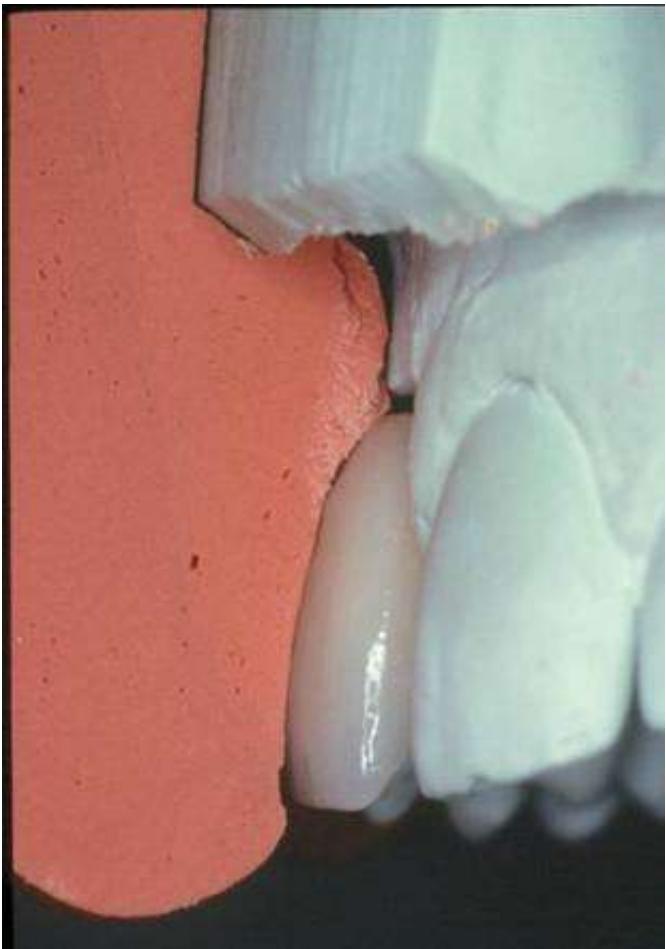


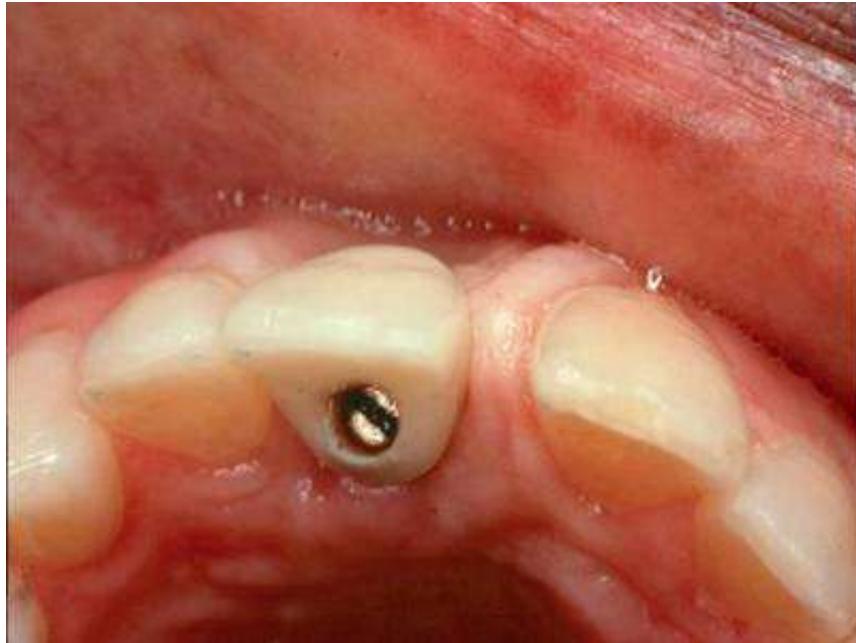


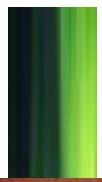












KOSTNADENE FOR ENKELT-IMPLANTAT OG FOR EN LITEN BRO LIKEVERDIGE SETT OVER TID?

Vitenskapelig kunnskap og evidensnivå

1. Beikler T, Flemmig TF. EAO consensus conference: economic evaluation of implant-supported prostheses. *Clin Oral Implants Res* 2015; 26 Suppl 11: 57-63
2. Bassi F, Carr AB, Chang TL, et al. Economic outcomes in prosthodontics. *Int J Prosthodont* 2013; 26: 465-469
3. Vogel R, Smith-Palmer J, Valentine W. Evaluating the health economic implications and cost-effectiveness of dental implants: a literature review. *Int J Oral Maxillofac Implants* 2013; 28: 343-356
4. Scheuber S, Hicklin S, Brägger U. Implants versus short-span fixed bridges: survival, complications, patients' benefits. A systematic review on economic aspects. *Clin Oral Implants Res* 2012;23 Suppl 6:50-62.

