



Tandvlees & Esthetiek

Fysiologische hoogte

± 2 mm

± 1 mm

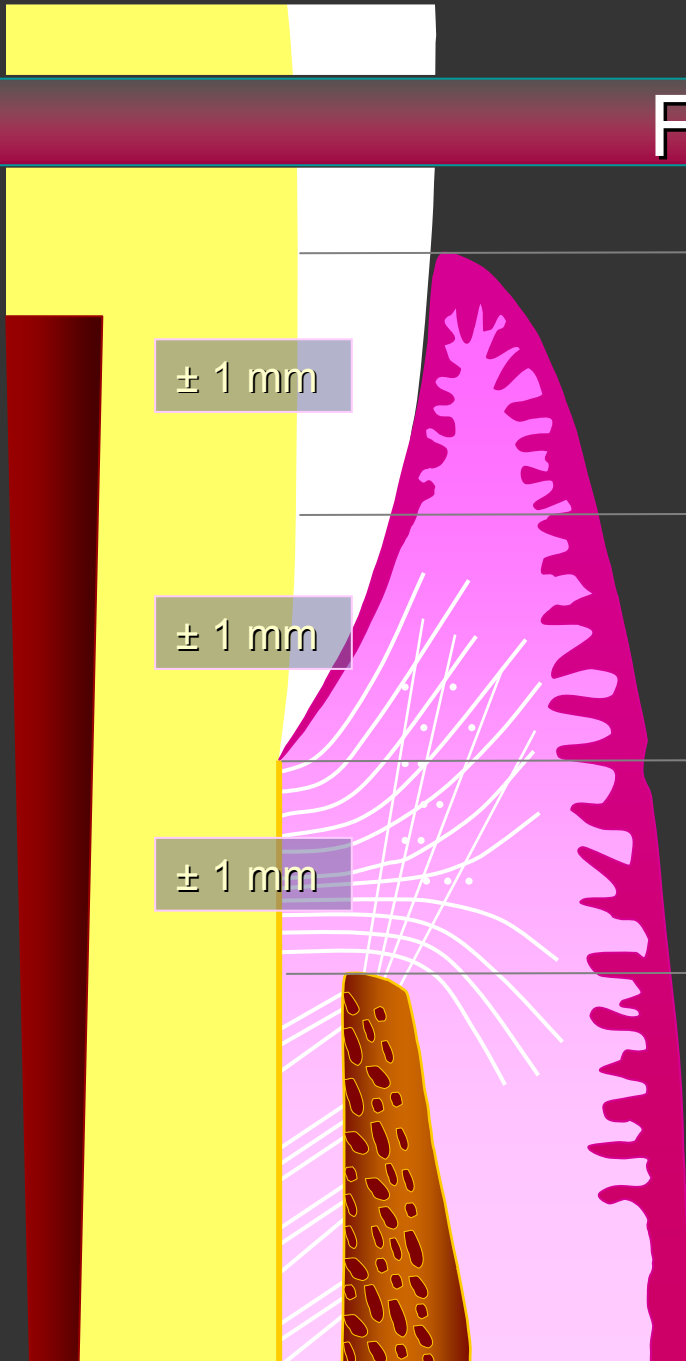
sulcus

± 1 mm

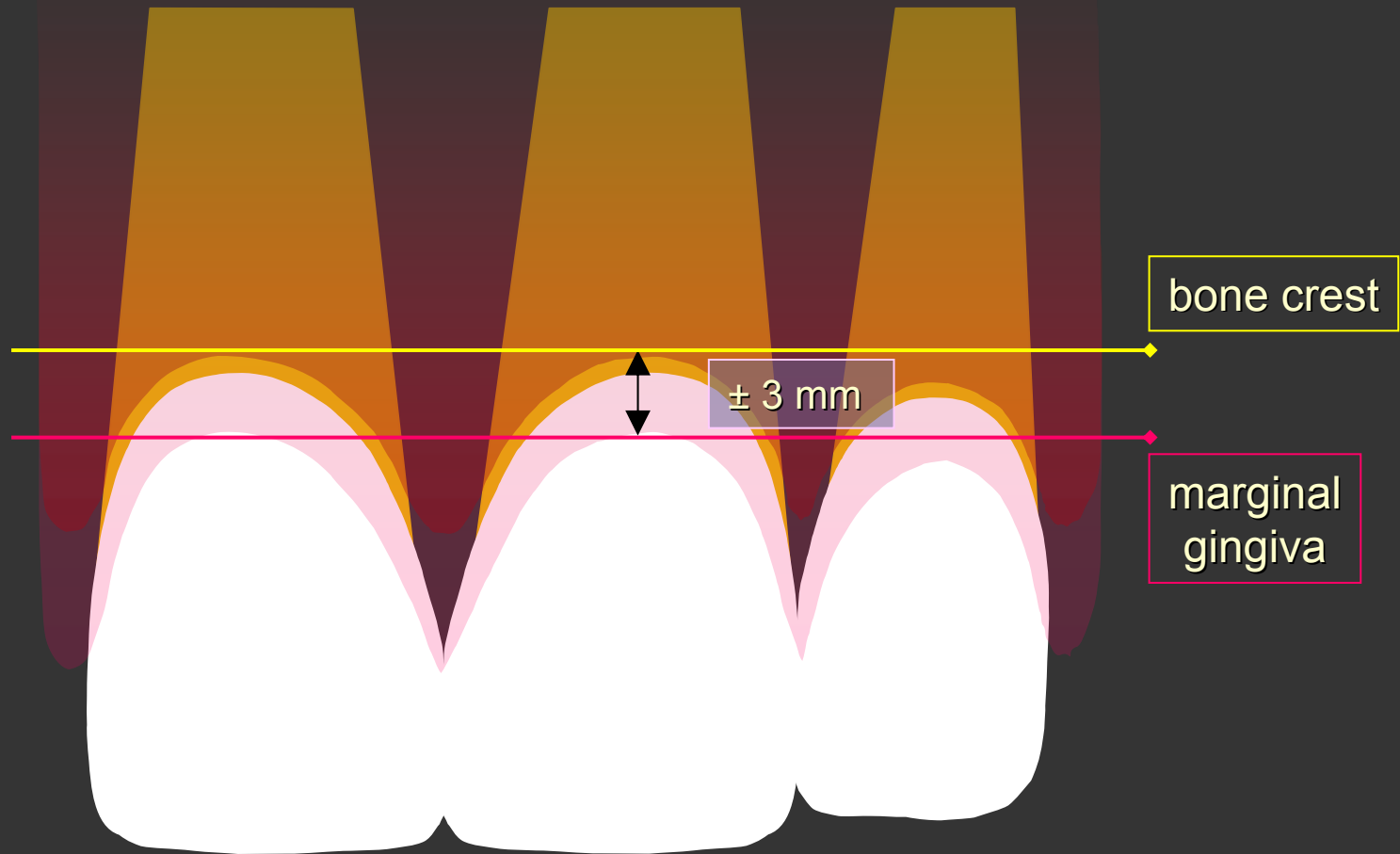
junctional epithelium

± 1 mm

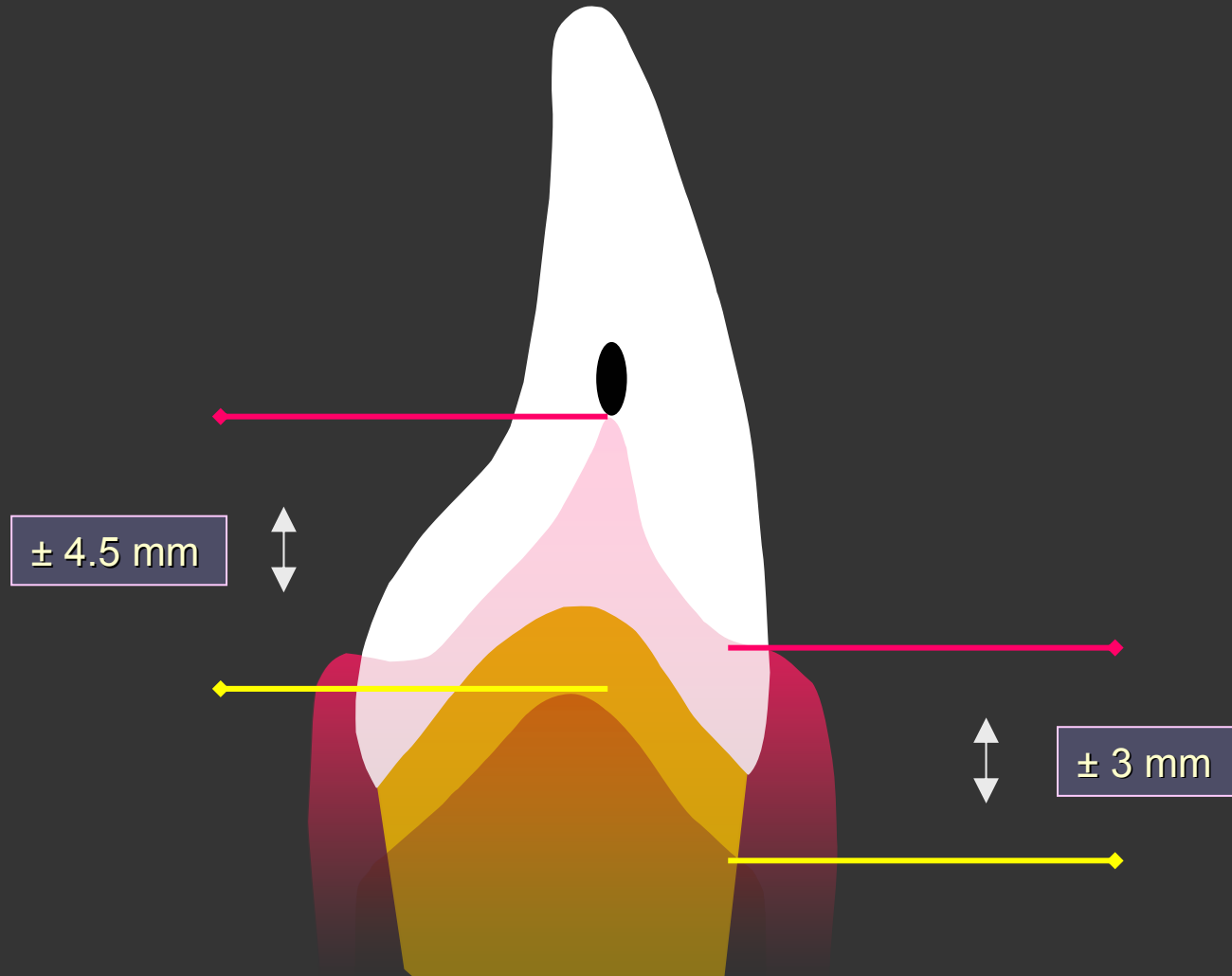
gingival connective
tissue attachment



Fysiologische hoogte



Fysiologische hoogte



Fysiologische hoogte

U. Van der Velden,
Journal of Clinical Periodontology, 1982, 9, 455-459

Material & Methods:

- Interdental denudation
- Horizontal bone level at the time of surgery
- 36 evaluable surfaces 3 year post-op

Fysiologische hoogte



Fysiologische hoogte

U. Van der Velden,
Journal of Clinical Periodontology, 1982, 9, 455-459

Results:

- Plaque Index	0.83
- PPD	2.17 mm
- GM-BL	4.33 mm

Fysiologische hoogte

Denis Tarnow,
Journal of Periodontology, 1992

Afstand bot-contactpunt:

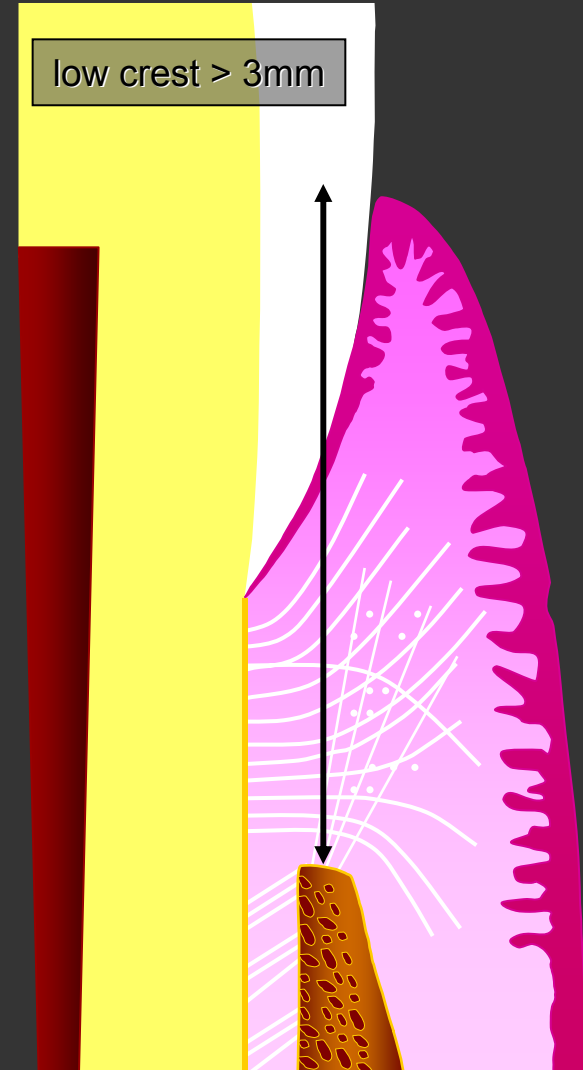
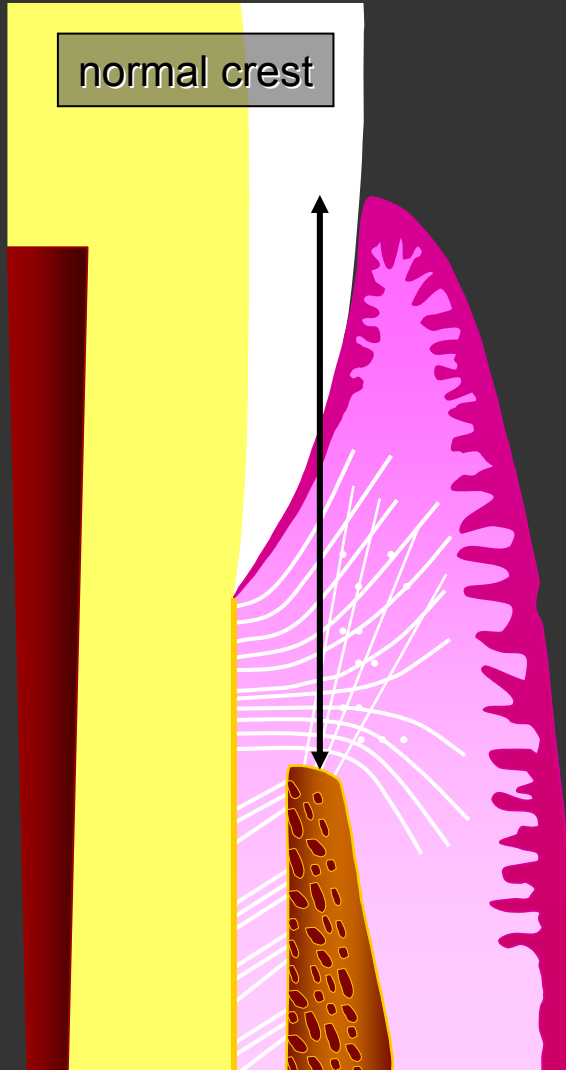
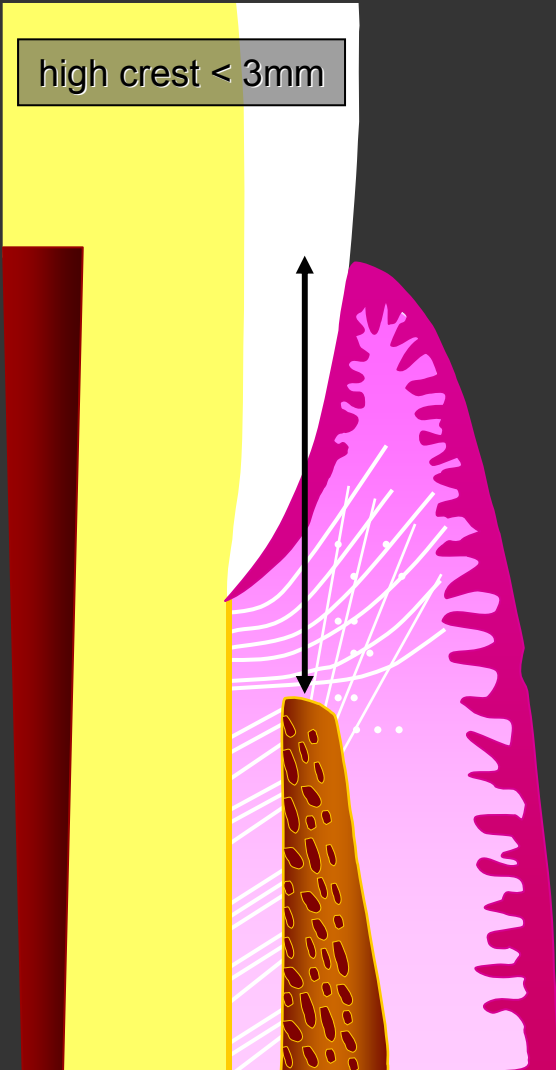
- ≤ 4mm	100%
- 5mm	98%
- 6mm	56%
- 7mm	27%

Crest height

high crest < 3mm

normal crest

low crest > 3mm



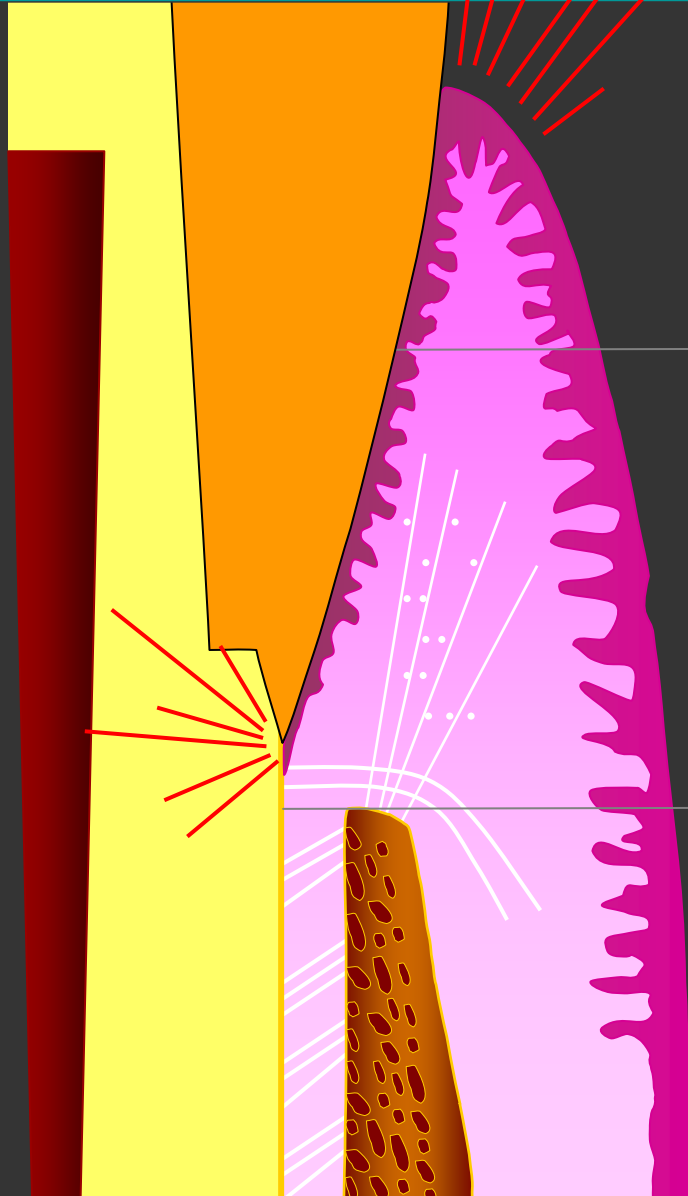
Crest height

John Kois,
Journal of Esthetic Dentistry, 1994

Results:

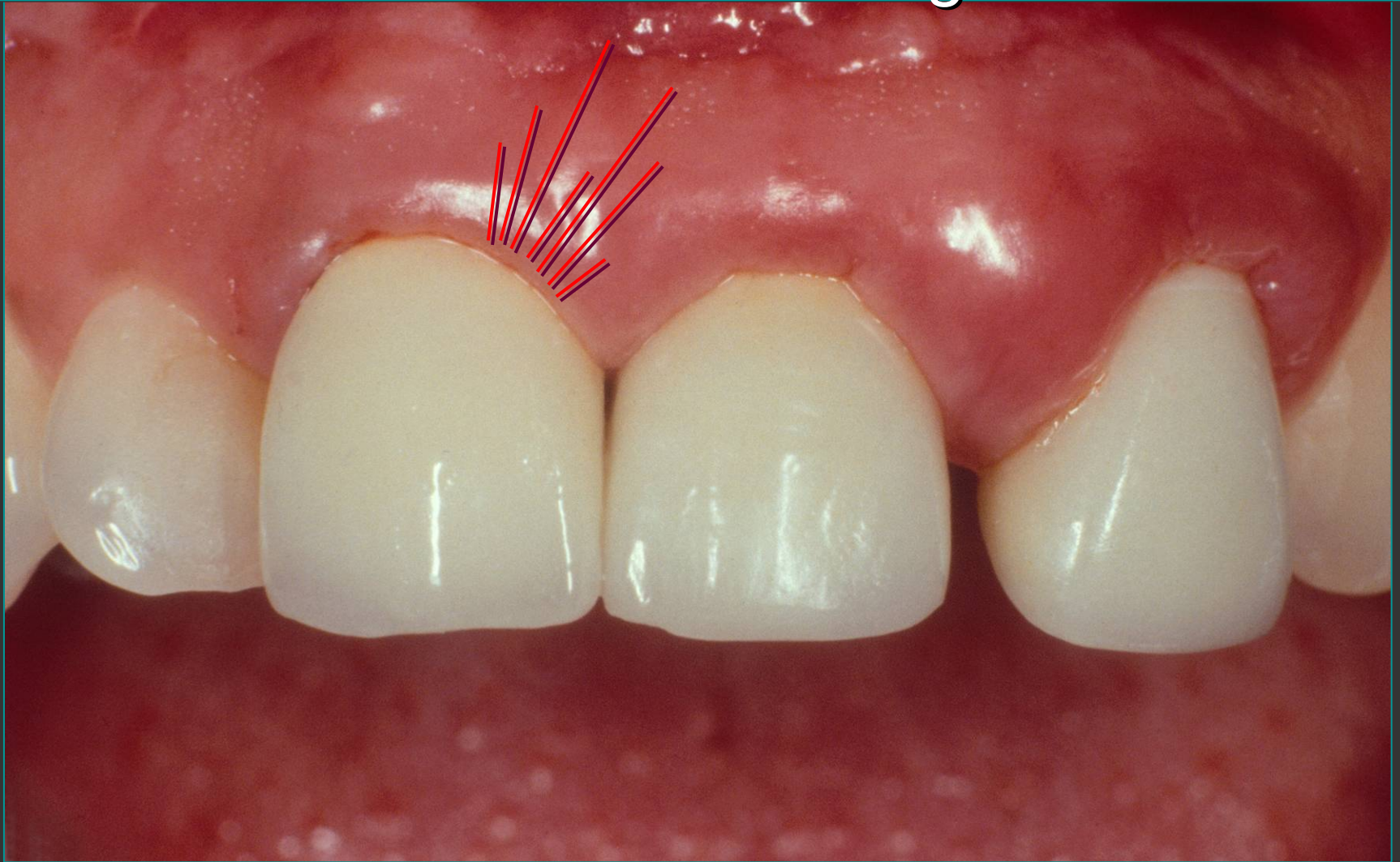
- High Crest	2%	< 3 mm
- Normal Crest	85%	3-5 mm
- Low Crest	13%	> 5 mm

Violation of the biologic width

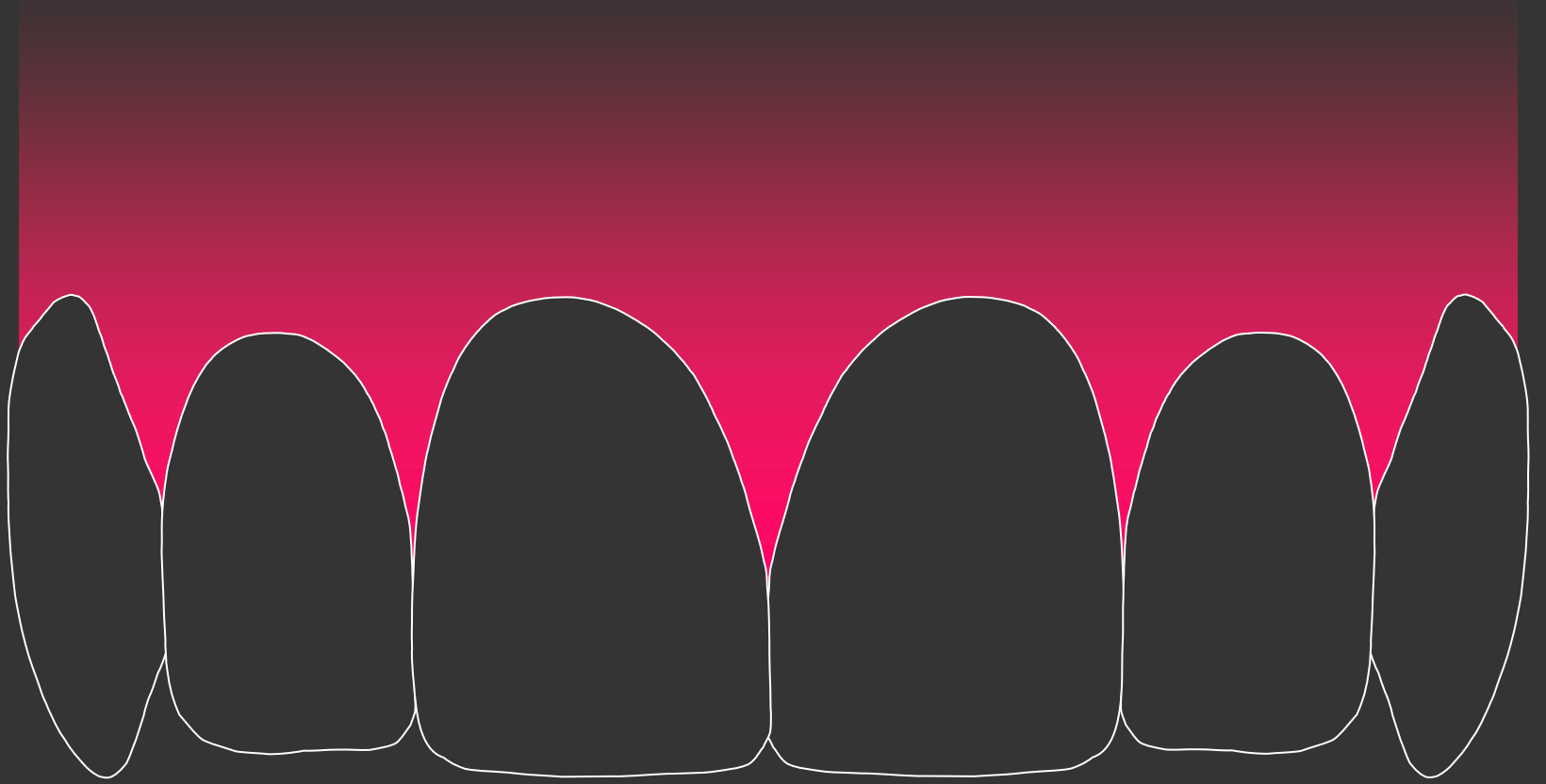


< 2 mm

Violation of the biologic width







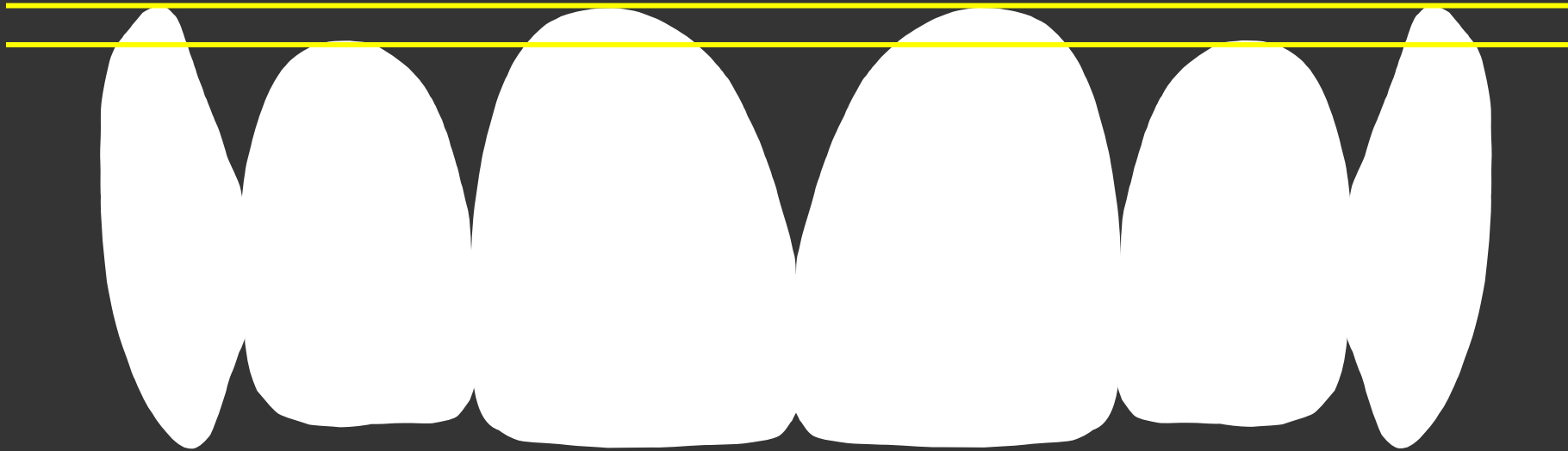




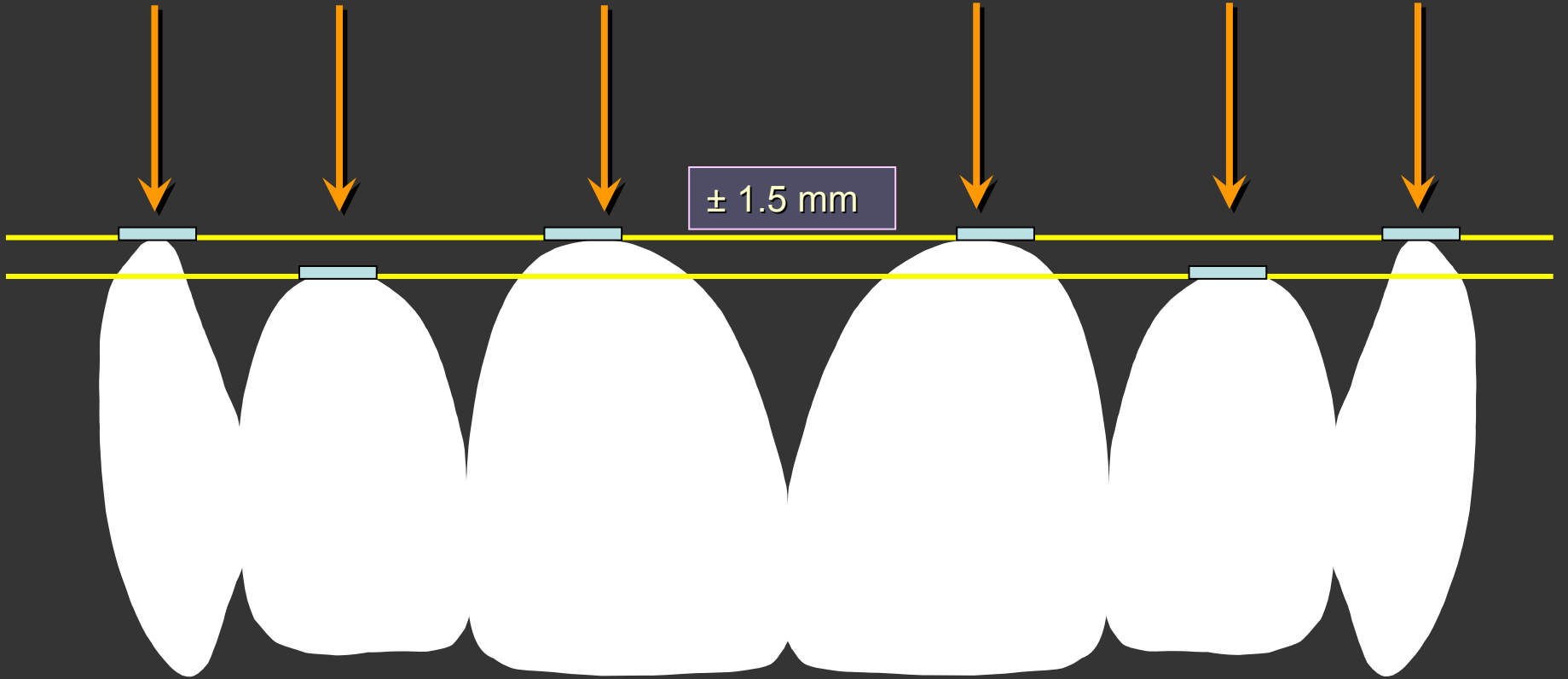




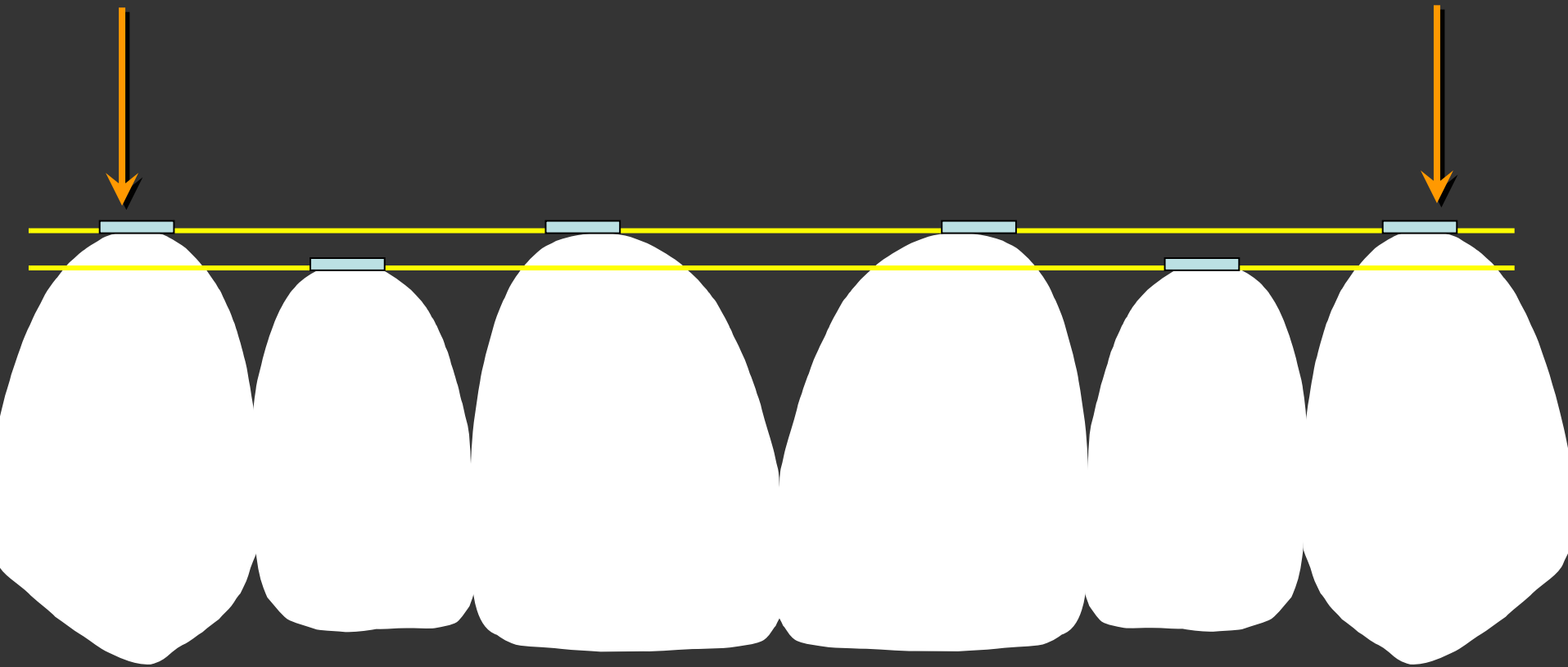
$\pm 1.5 \text{ mm}$



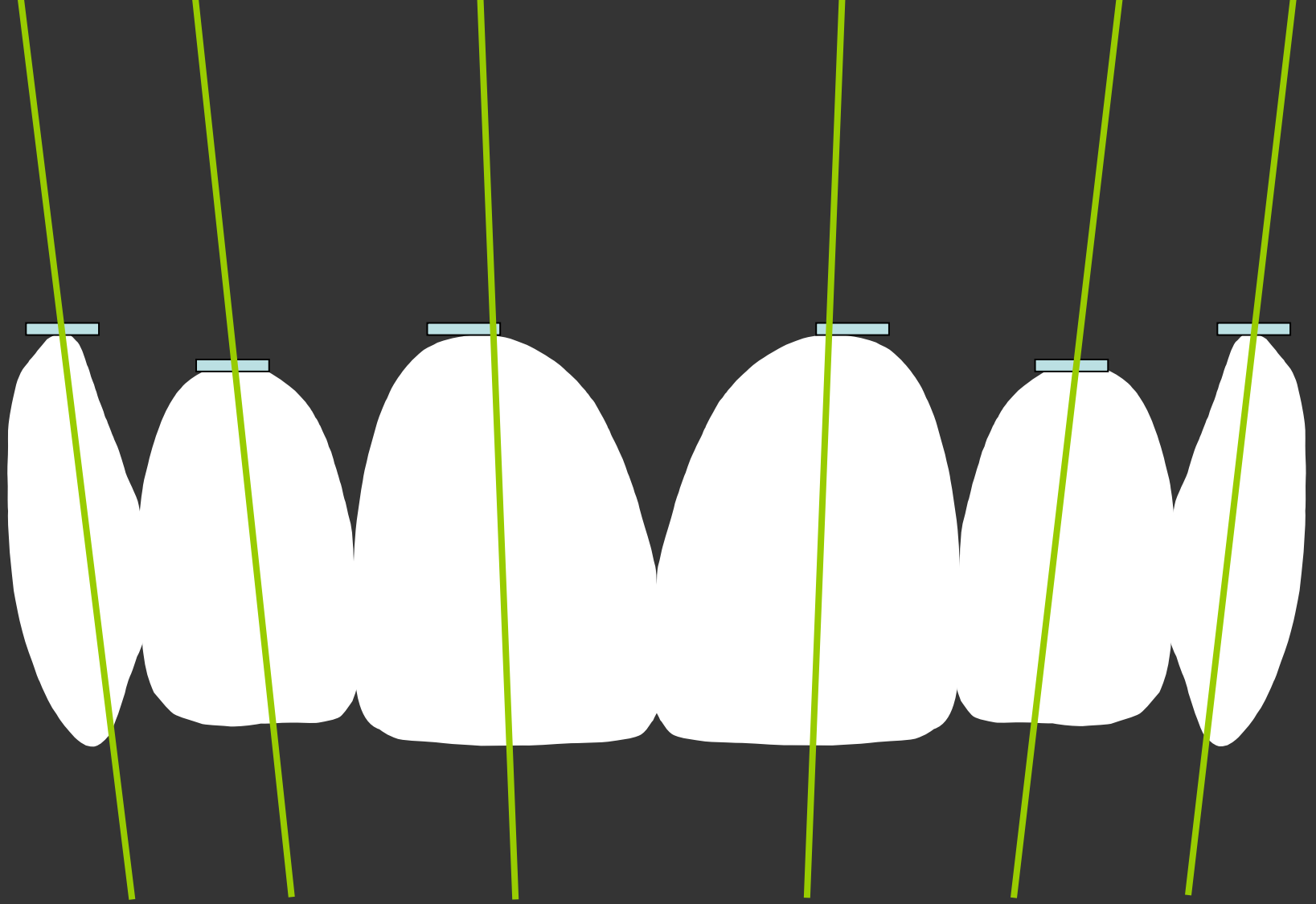
Horizontale Symmetrie



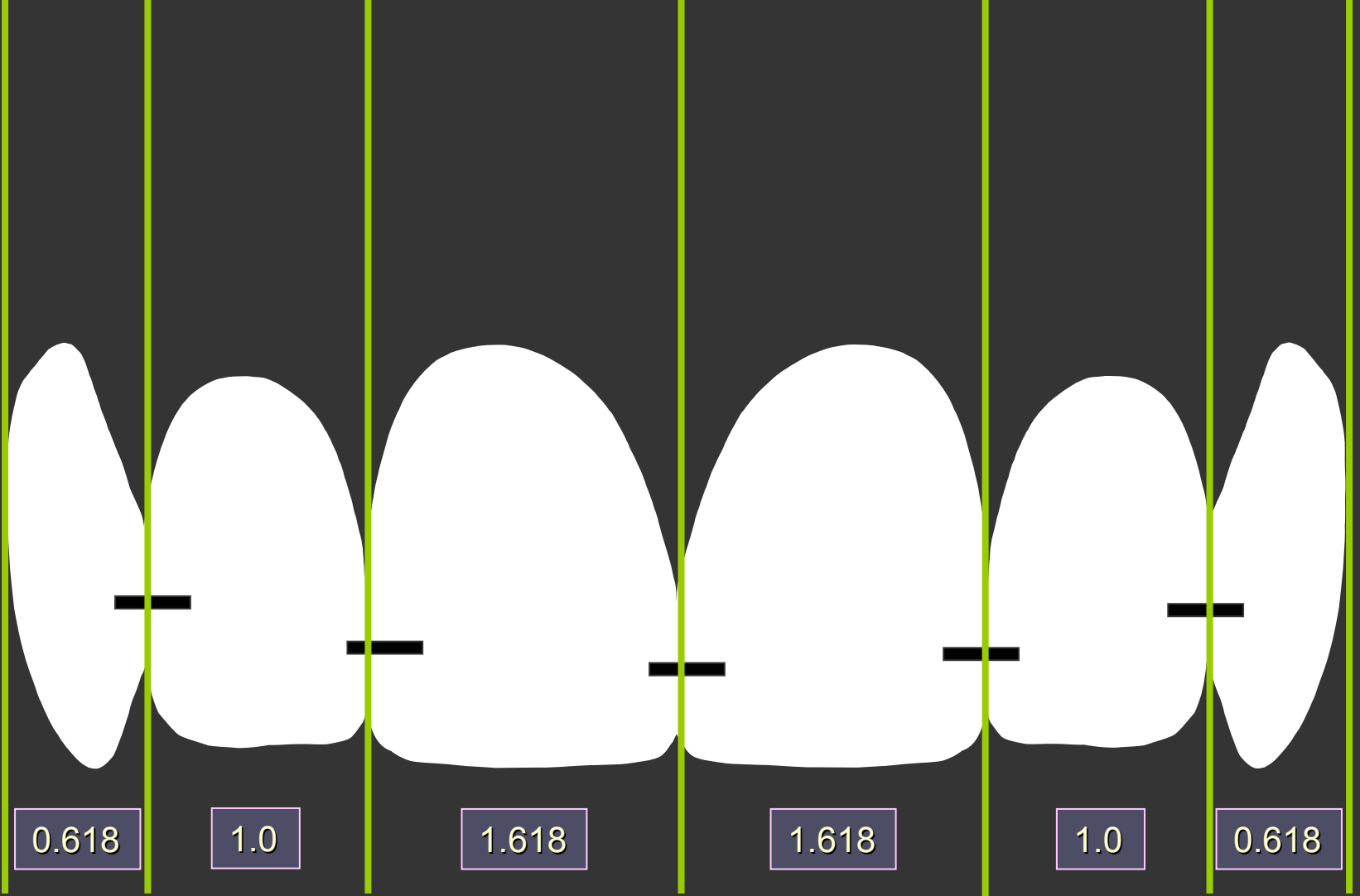
Verticale Symmetrie



Verticale Symmetrie

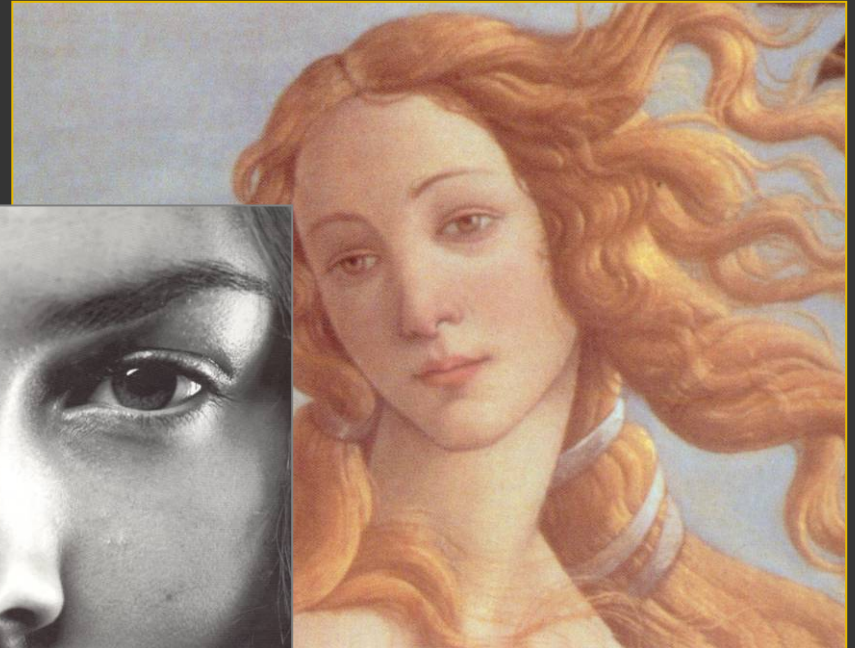
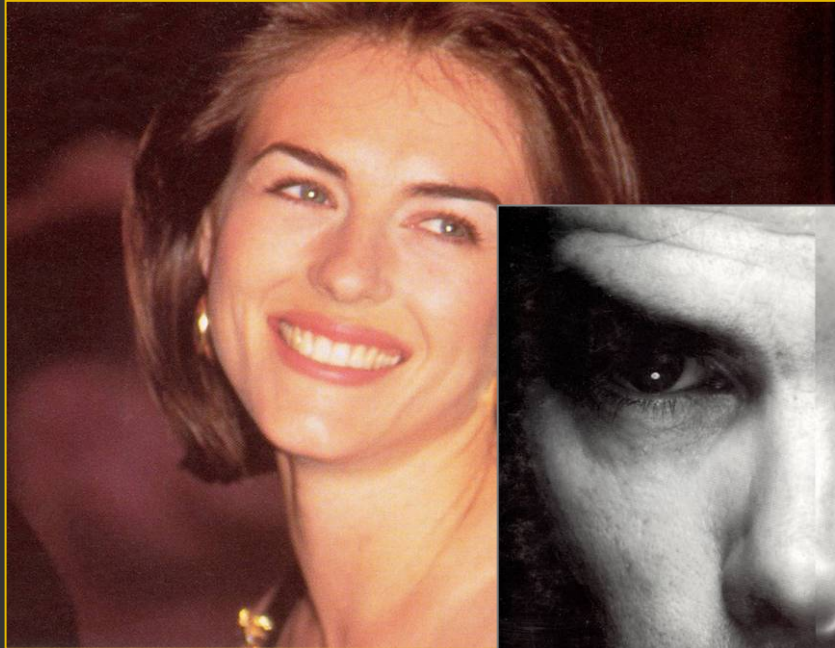


As-richting



Contactpunt

'Golden proportion' of 'Gulden snede'

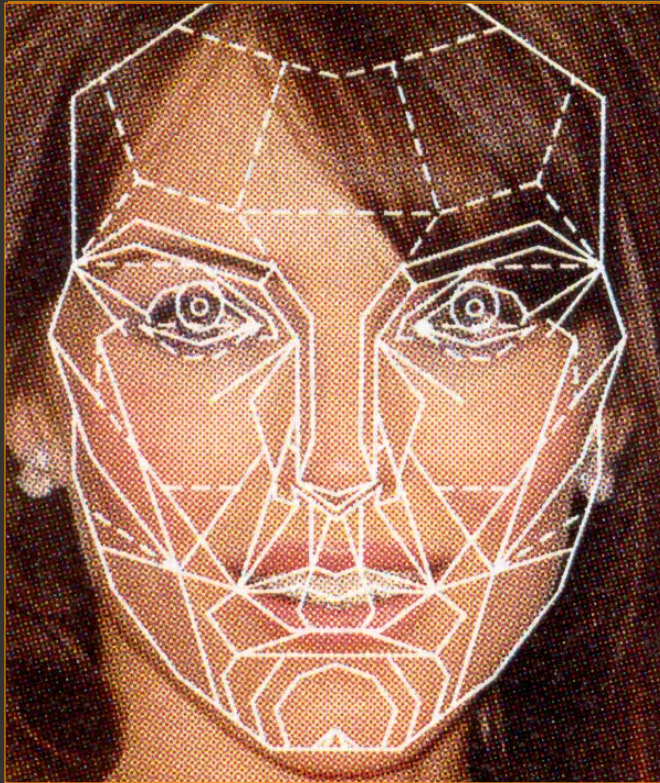


hey neemt het op tegen de Venus van Botticelli

'Golden proportion' of 'Gulden snede'



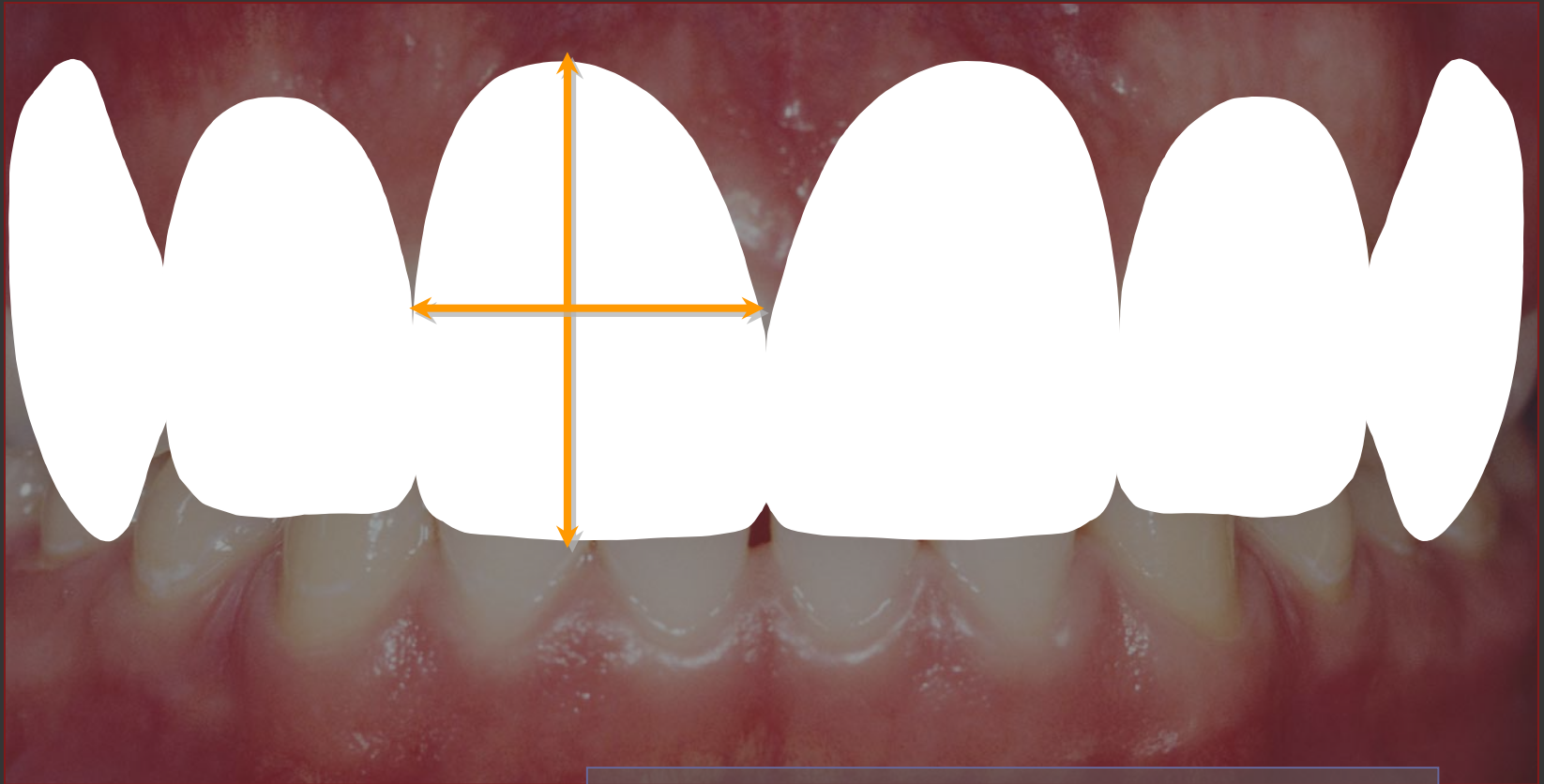
'Golden proportion' of 'Gulden snede'



?vraagje?

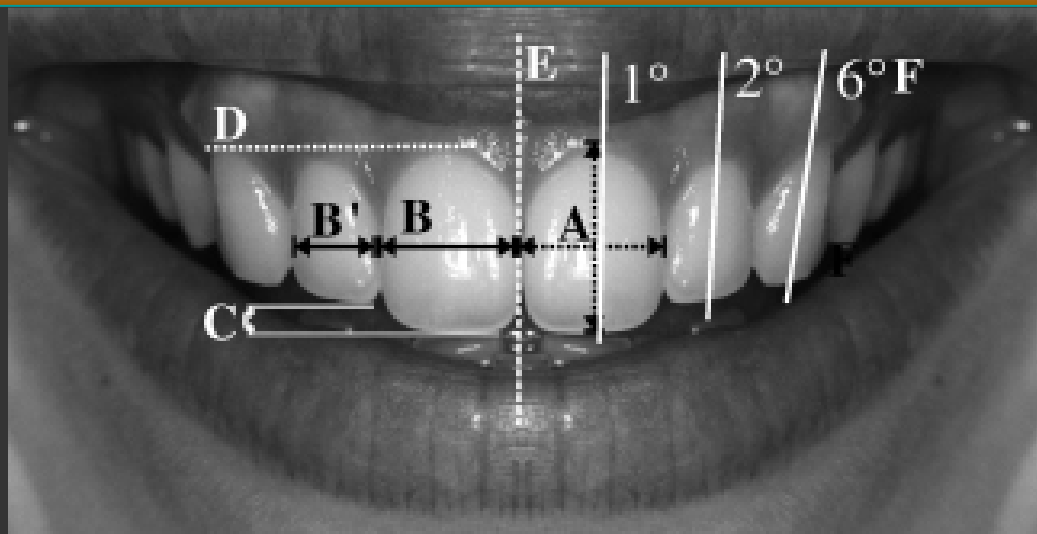


1 : 2/3 tot 1 : 3/4



Lengte : Breedte

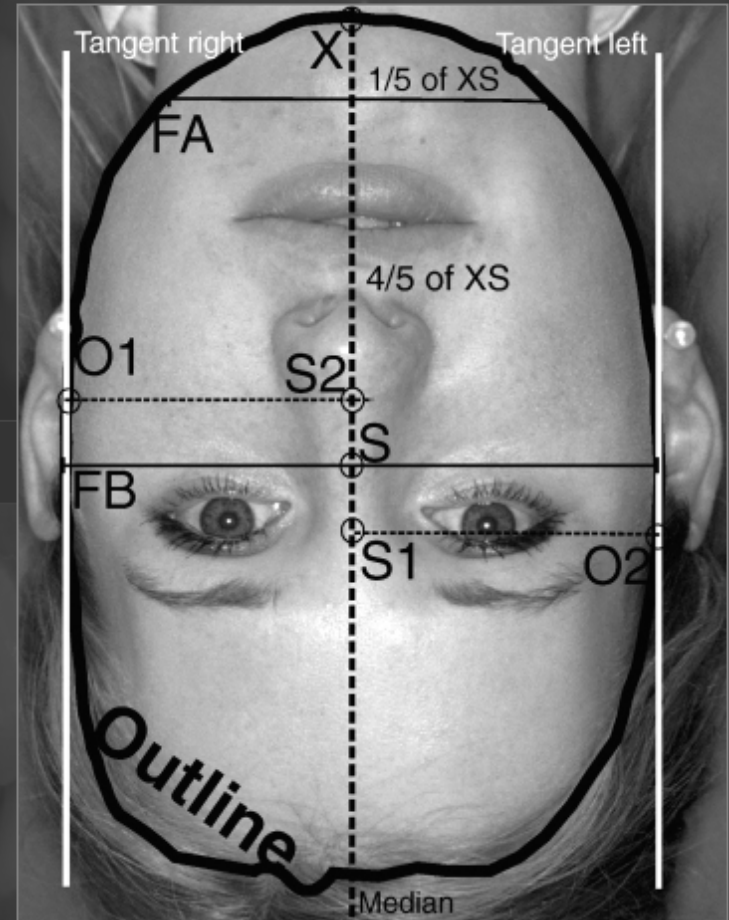
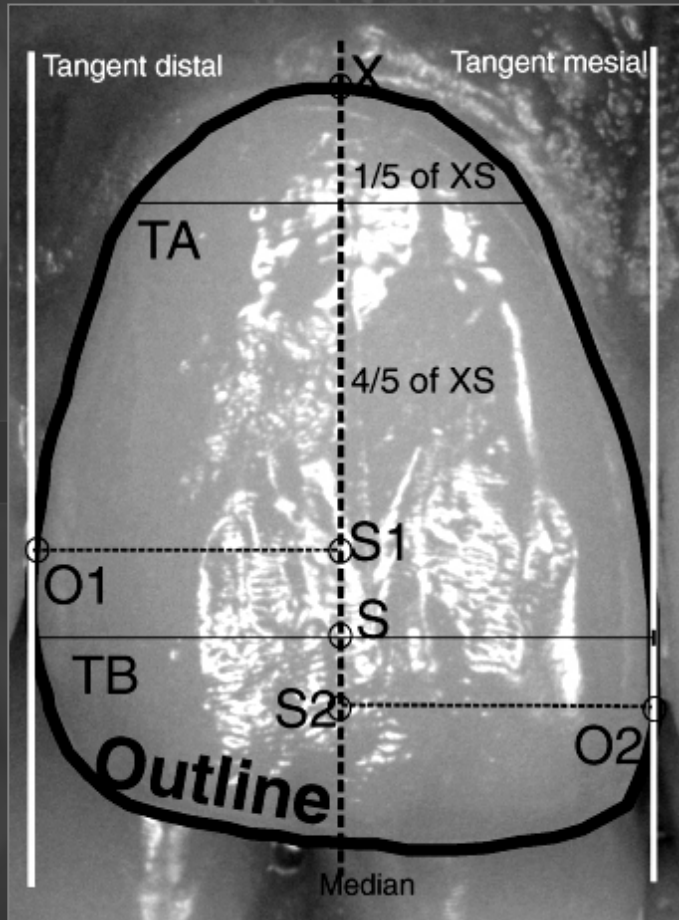
Wolfart et al. *Eur.J.Oral.Scie.* 2005 113, 159-165 (n=4)



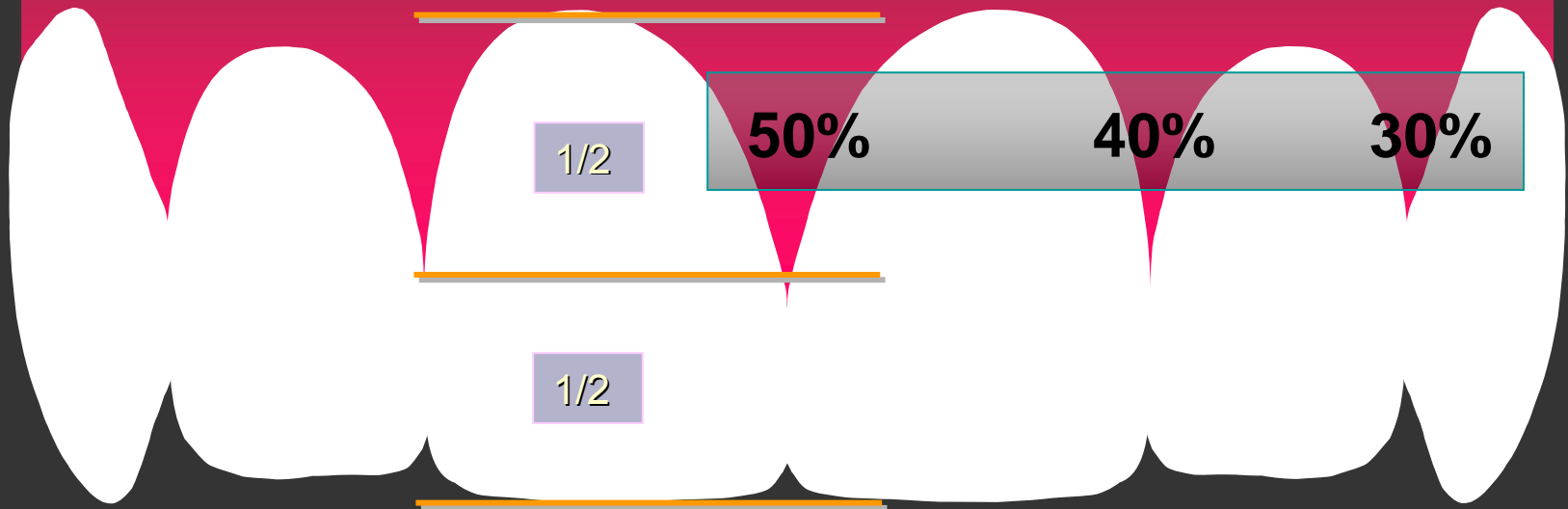
Wolfart et al. *Eur.J.Oral.Scie.* 2004 112, 471-476 (n=204)



Wolfart et al. *Eur.J.Oral.Scie.* 2004 112, 471-476 (n=204)



Inability to relate tooth forms to face shape and gender



Papil : Contactpunt

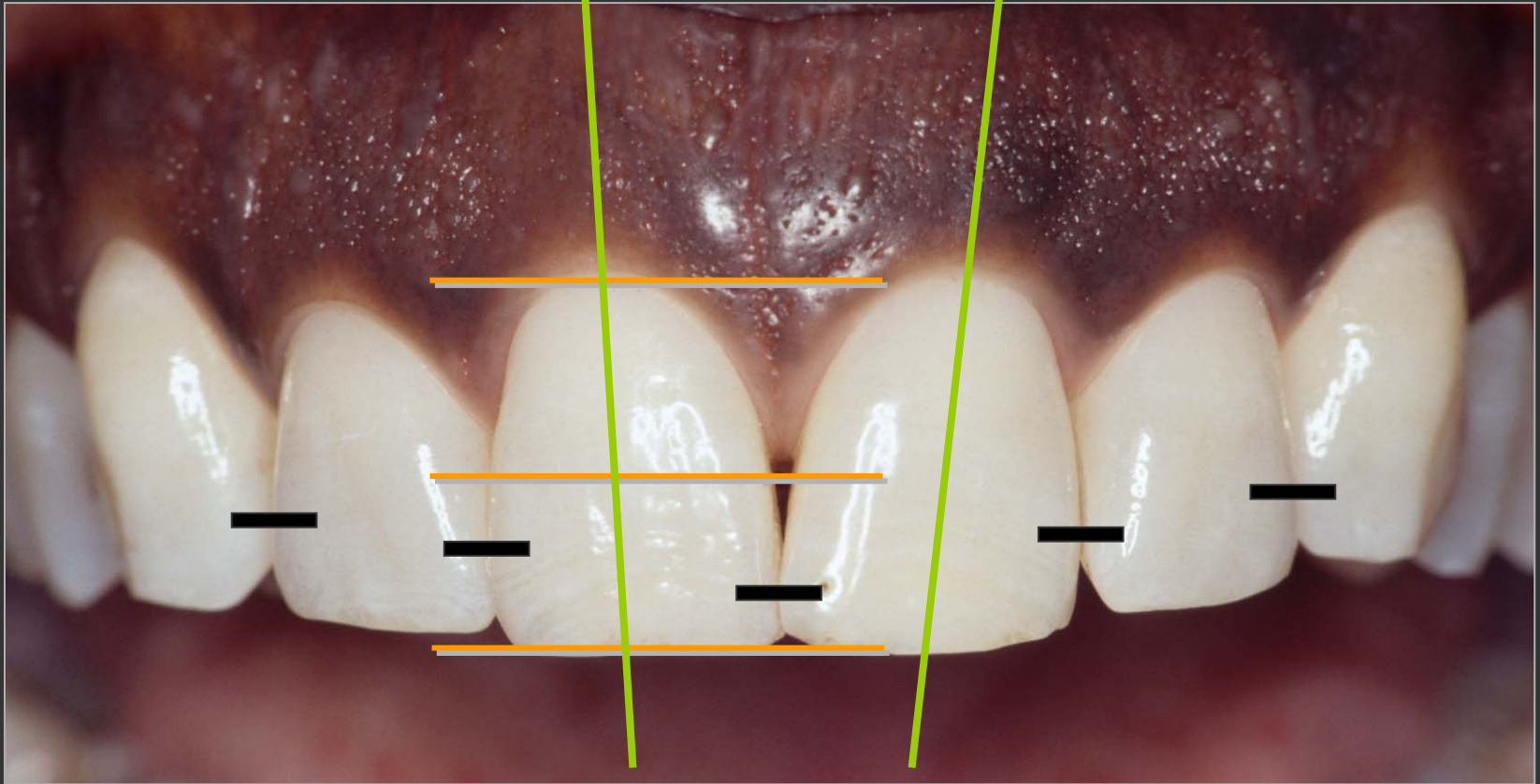


Papil : Contactpunt



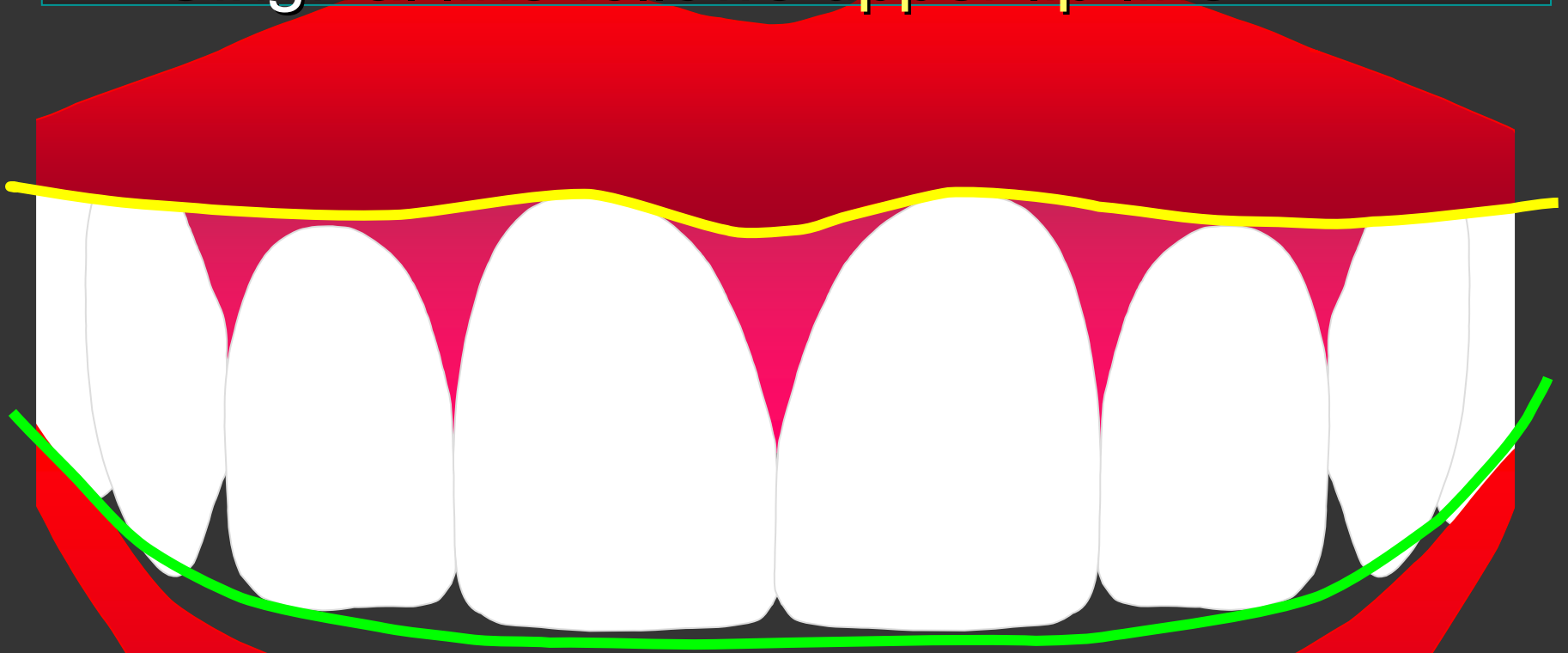


?vraagje?





Gingival line follows upper lip line

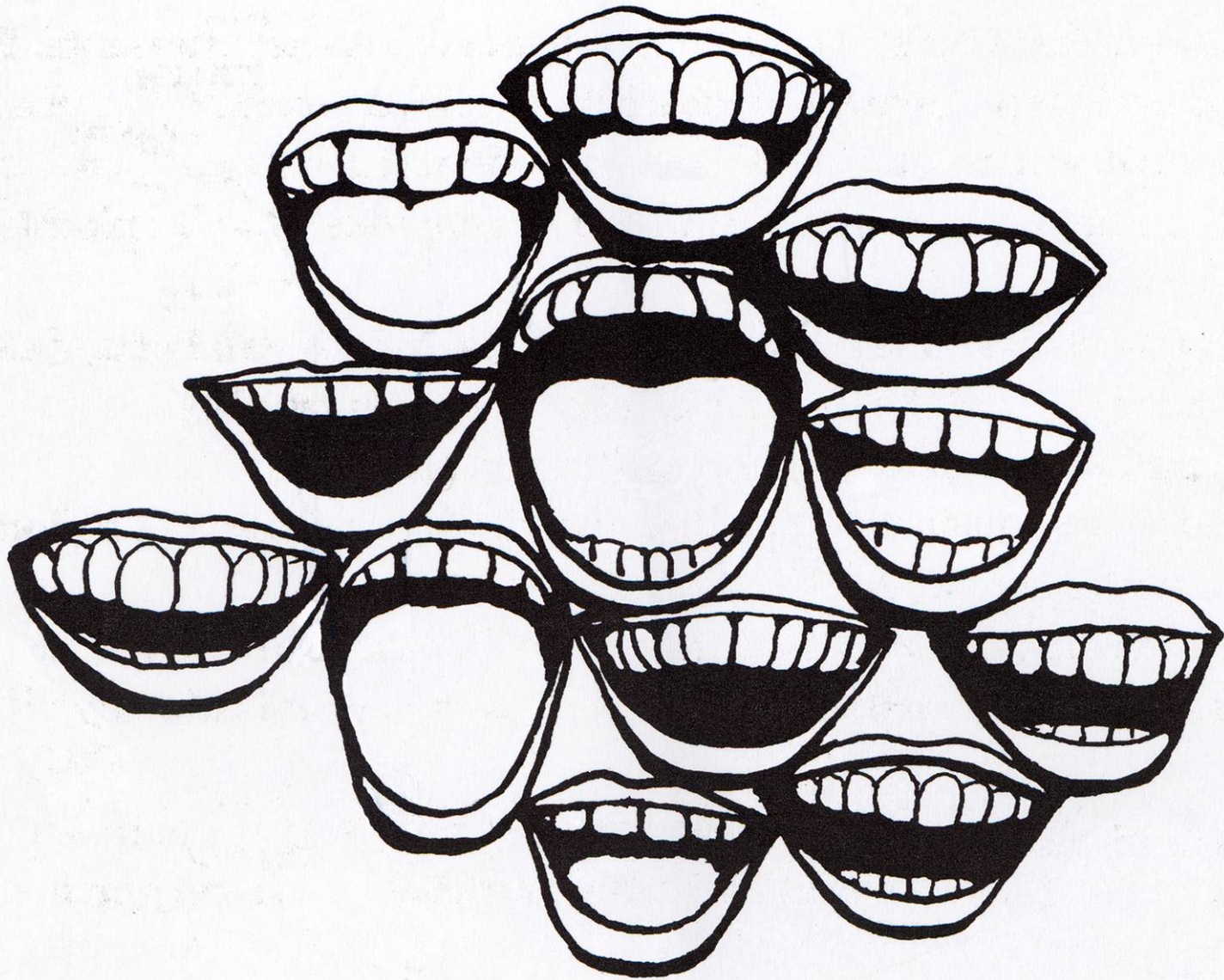


Incisal line follows lower lip line

SMILE LINE



SMILE LINE



VERTICAL DIMENSIE- Lachlijn

*"Smile types" bij mannen en vrouwen
(leeftijd tussen de 20-30 jaar)*

	Hoge	Gemiddeld	Laag
Totaal	11 %	69 %	20 %
Mannen	7 %	63 %	30 %
Vrouwen	14 %	73 %	13 %



VERTICAL DIMENSIE- Incisieven

Zichtbaarheid van bovenincisieven op 15 jarige leeftijd

	Mannen		Vrouwen	
	Gemiddeld	<i>SD</i>	Gemiddeld	<i>SD</i>
Rust positie	4.7	2.0	5.3	1.8
Maximale lach	9.8	2.2	10.5	2.1

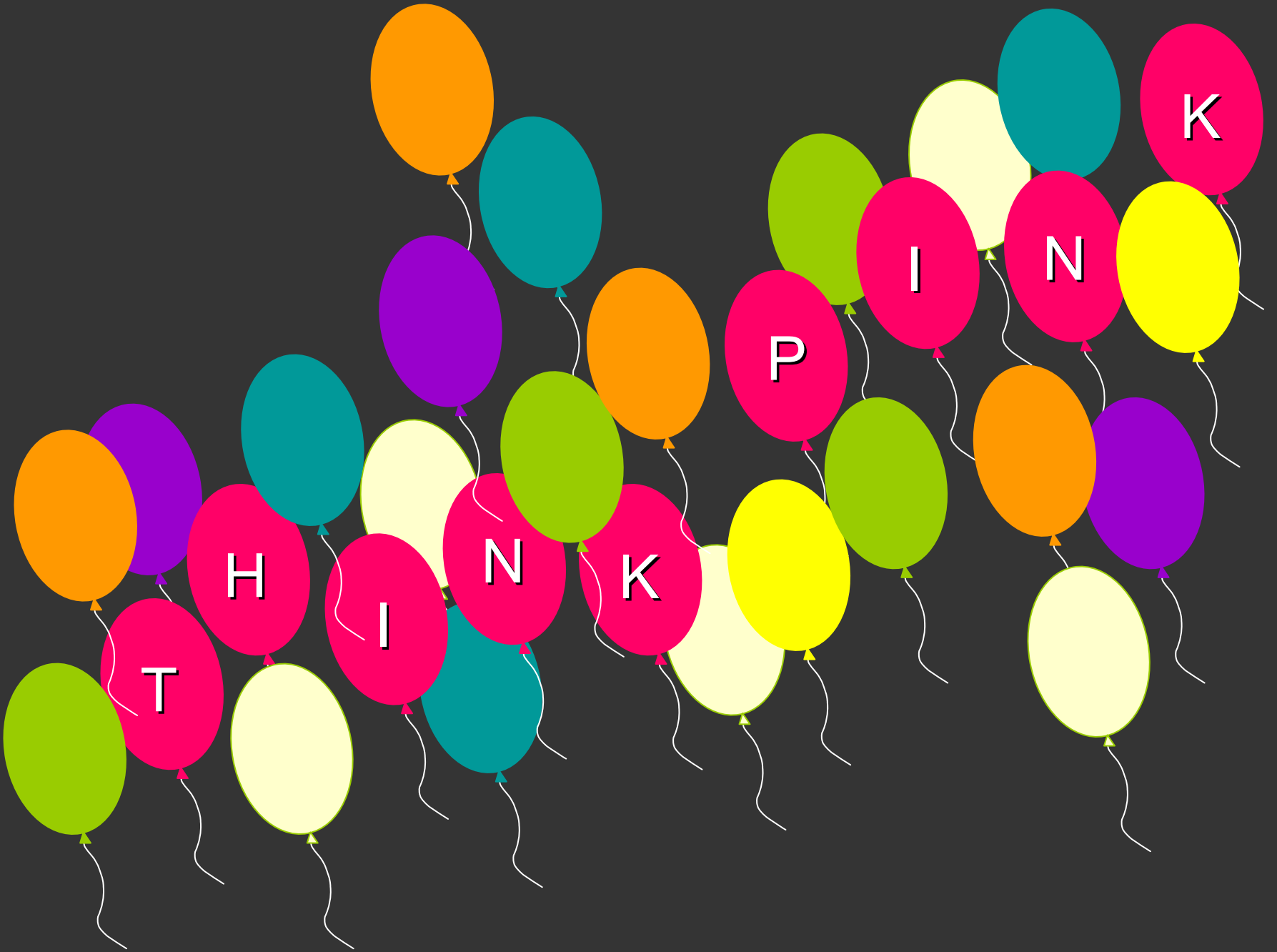
VERTICAL DIMENSIE- Incisieven

Gemiddelde zichtbaarheid van tanden in rust

Leeftijd	Boven incisieven	Onder incisieven
Onder 30	3.4	0.5
30 – 40	1.6	0.8
40 – 50	1.0	2.0
50 – 60	0.5	2.5
Boven 60	0.0	3.0







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