

Restorative Dentistry

Menu

Restorative Options

- Inlays
- Pinlays
- Onlays
- Three Quarter Crown

Restorative Options

- Seven Eighth Crowns
- Full Gold Crowns (Full Bevel)
- Full Bonded Porcelain Crowns
(Full Bevel)
- Full Bonded Porcelain Crowns
(Butt Margin)

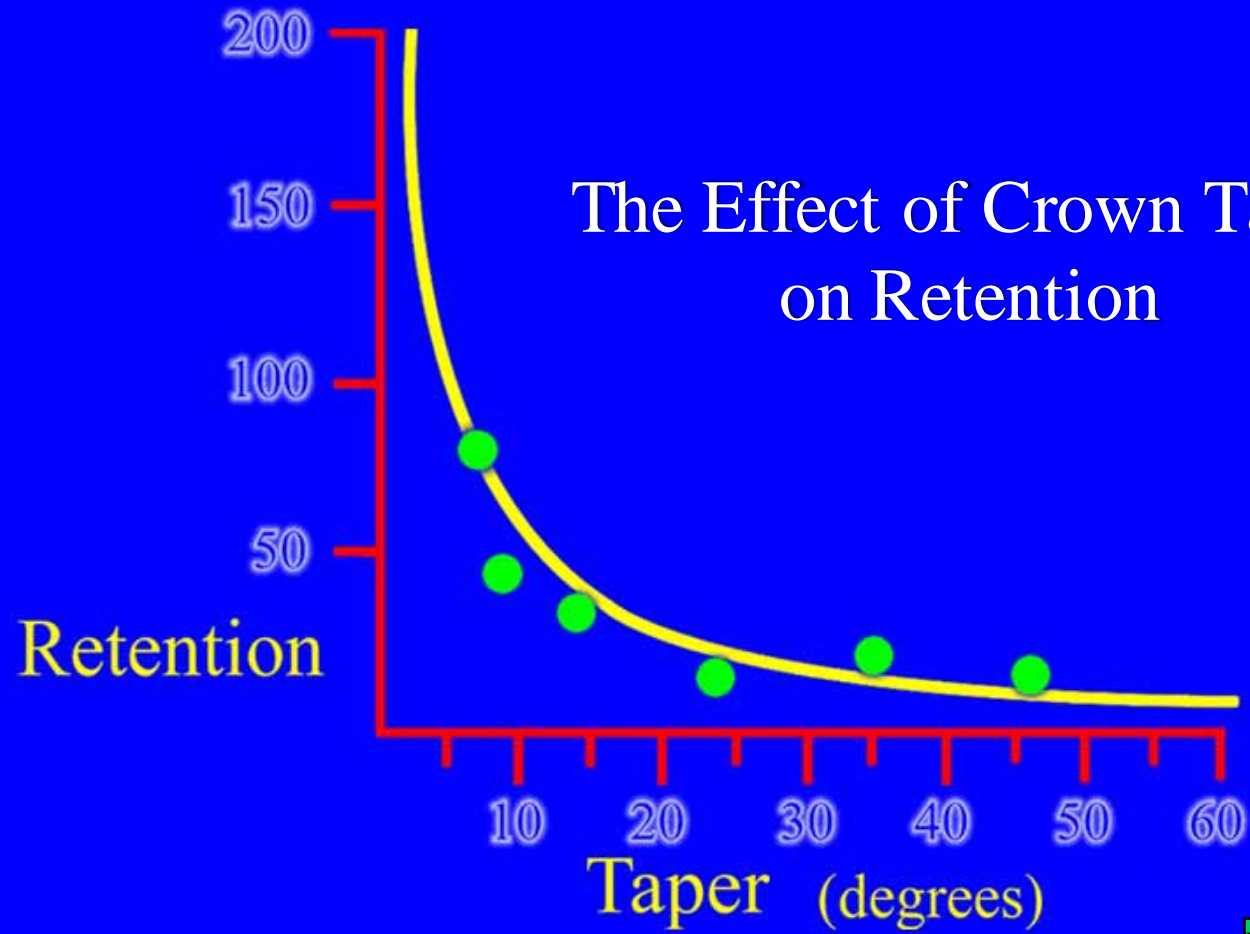
Planning Considerations

- Retention
- Occlusal Clearance
- Margin Design
- Smooth Contour

Margin Design

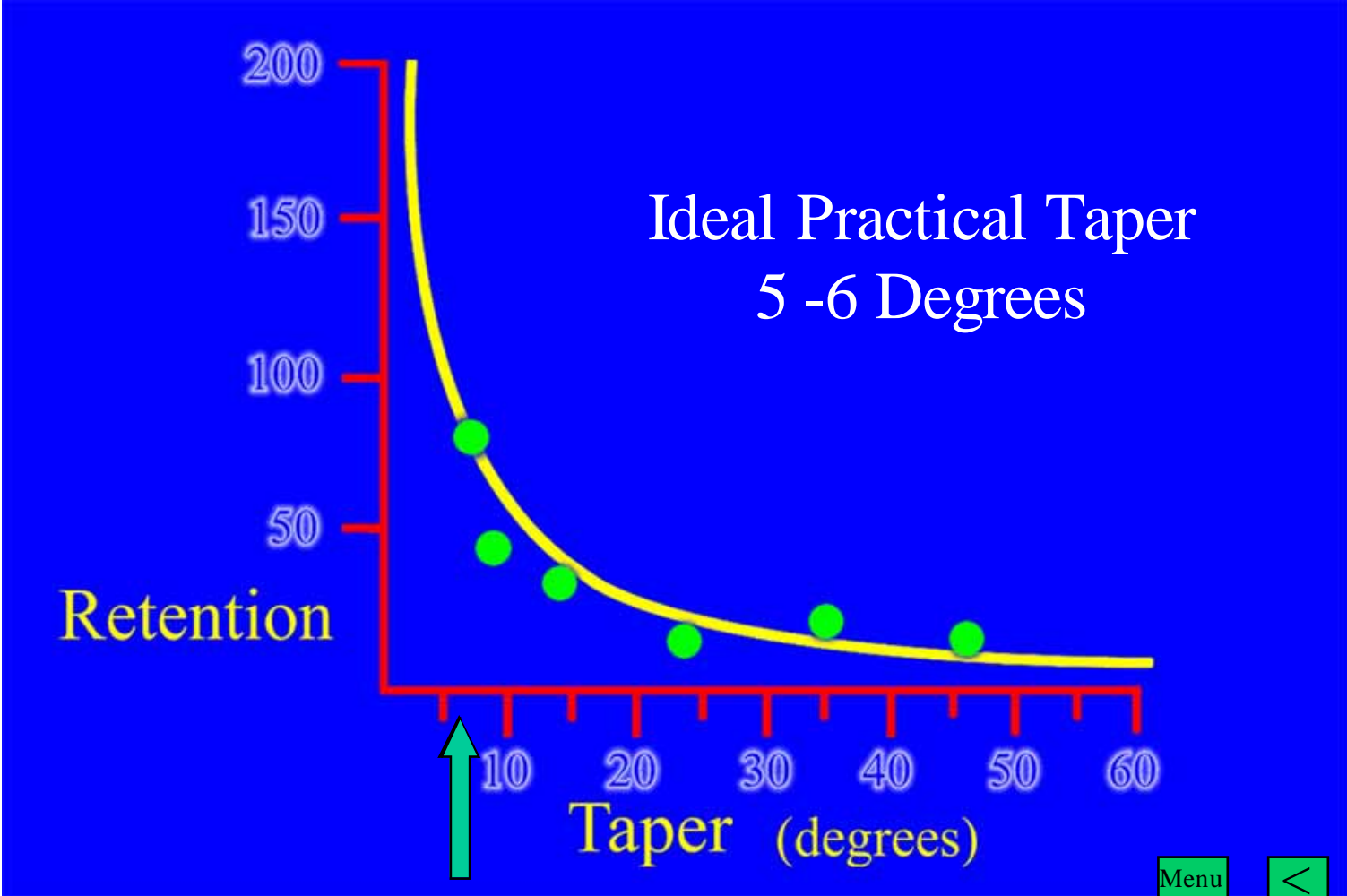
- Chamfer
- Chamfer with Bevel
- Shoulder
- Shoulder with a Bevel

The Effect of Crown Taper on Retention

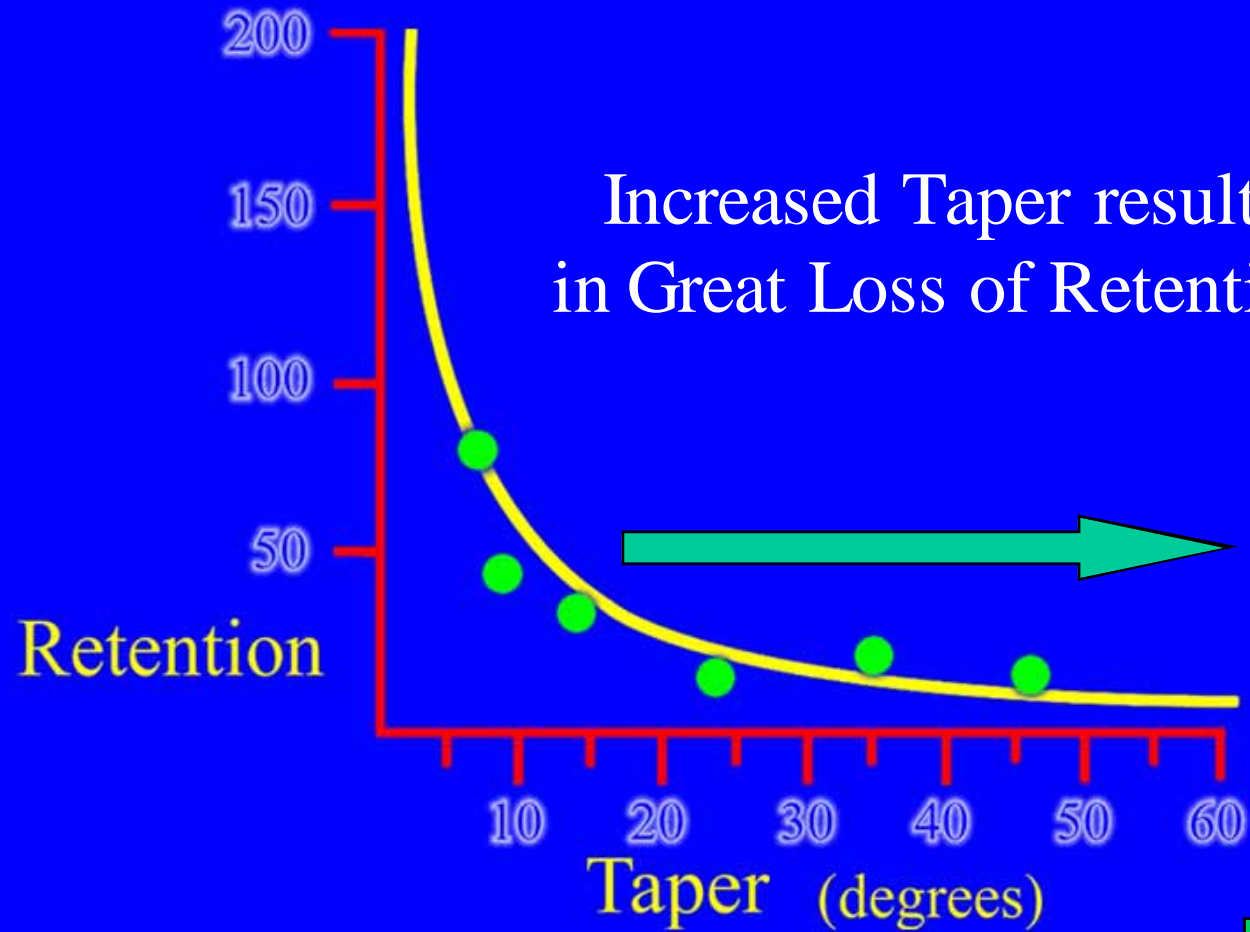


Menu





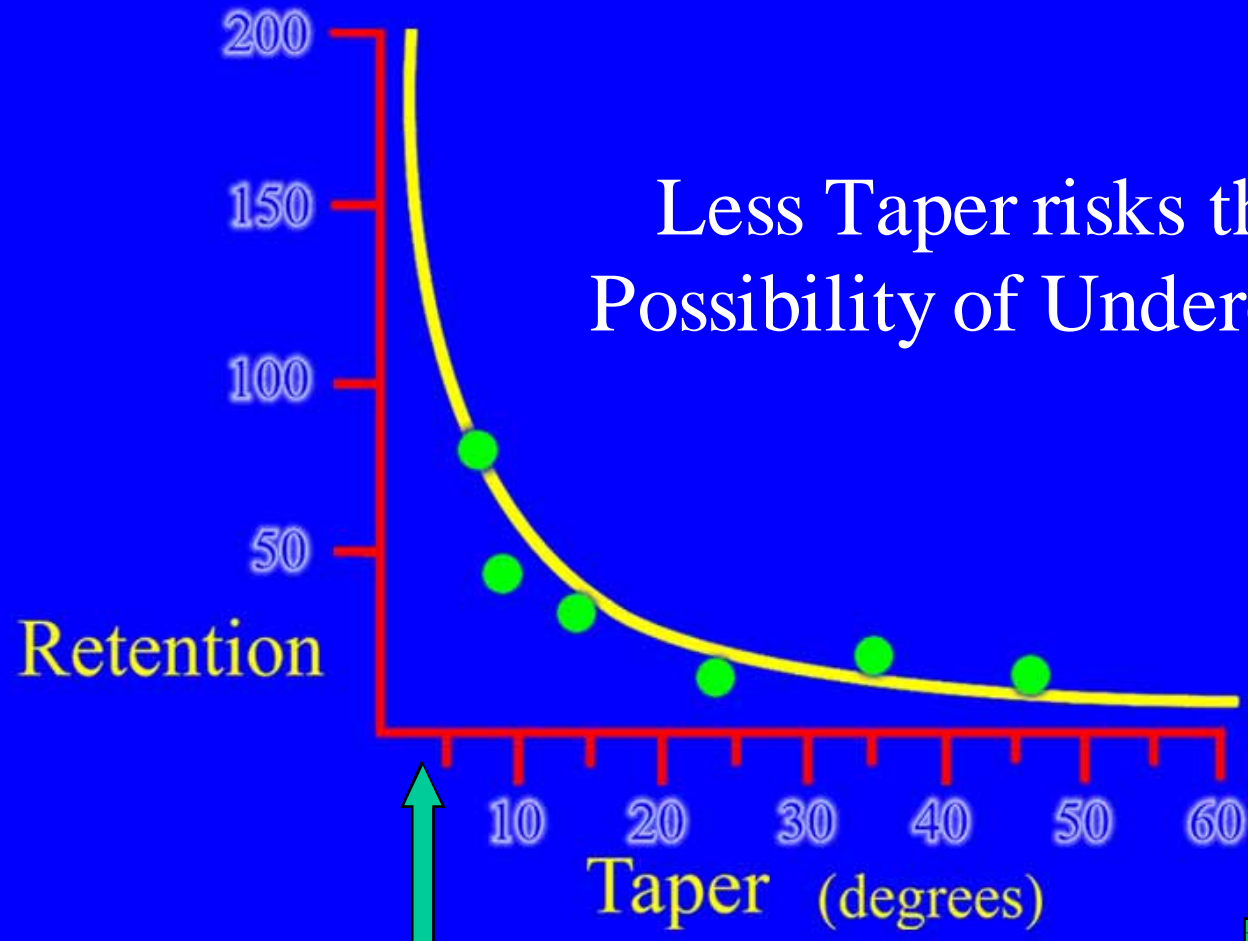
Increased Taper results
in Great Loss of Retention



Menu



Less Taper risks the
Possibility of Undercuts



Menu

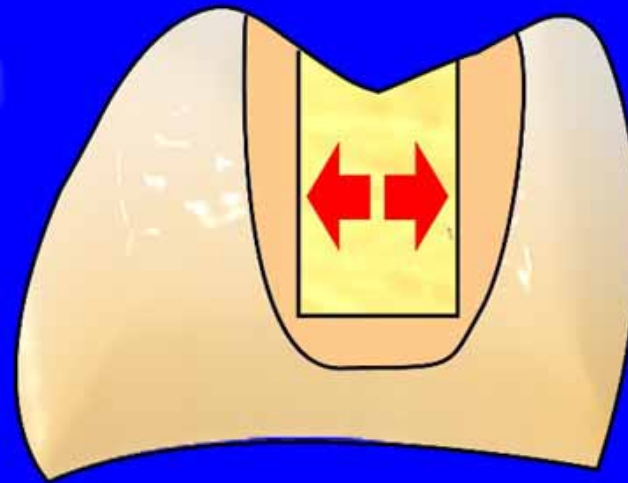


Loss of Retention

- Ideal Taper 5-6 Degree
- 15 Degrees $\frac{2}{3}$ Loss of Retention
- 25 Degrees $\frac{3}{4}$ Loss of Retention

Inlay Preparation

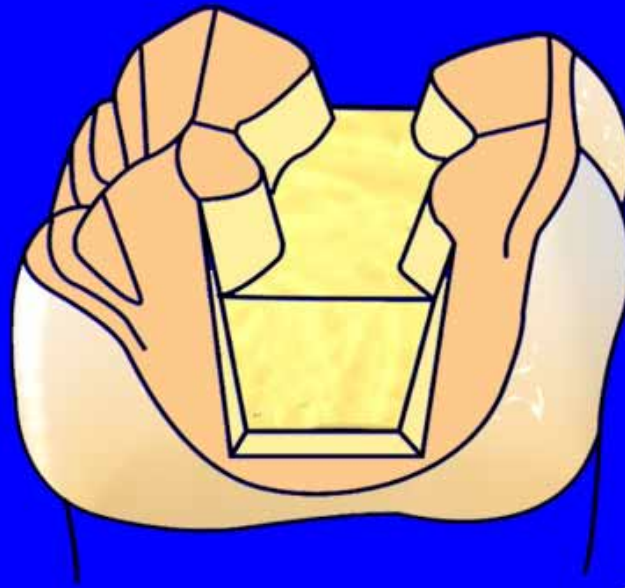
5-6 Degree
Taper



Menu



Onlay Preparation



Menu





Variations in Occlusal Coverage



Menu





Principle



Menu





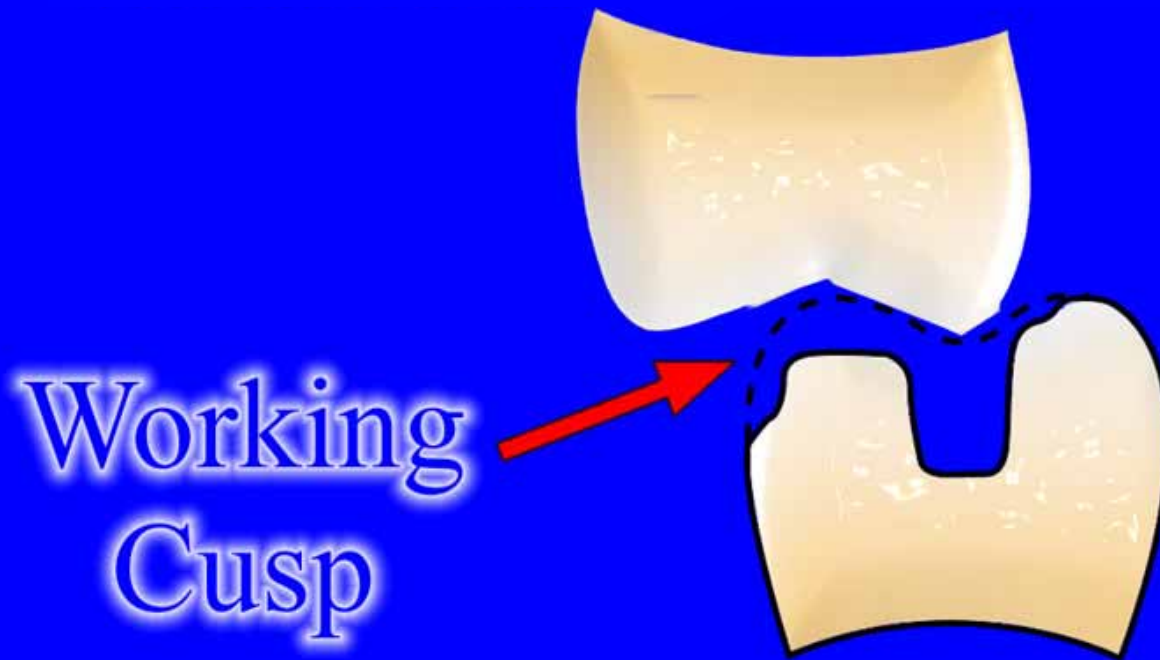
Cover
Working Cusps



Menu



Normal Tooth to Tooth Relationship



Menu



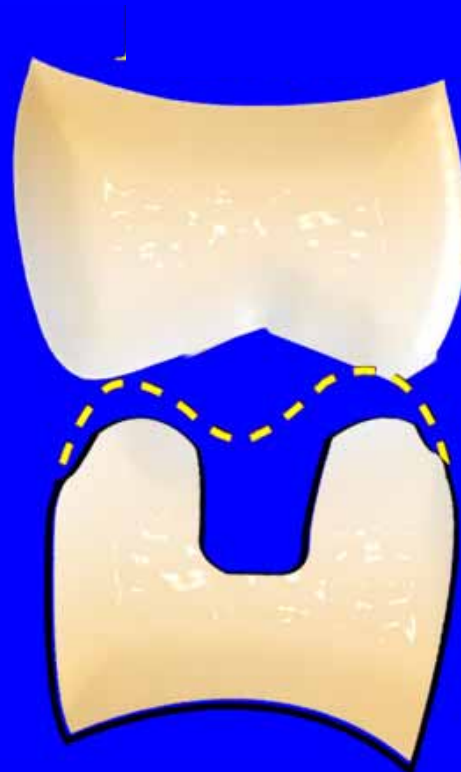
Crossbite Relationship



Menu



Tooth to Tooth Relationship



Onlay
both
Cusps

Menu

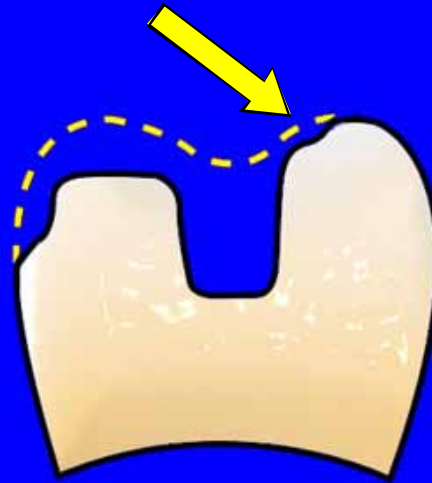


Cover
Working Cusps



Menu





Bevel
Non-working Cusps for
Aesthetic Reasons



Menu





Cover
All Core Material



Menu



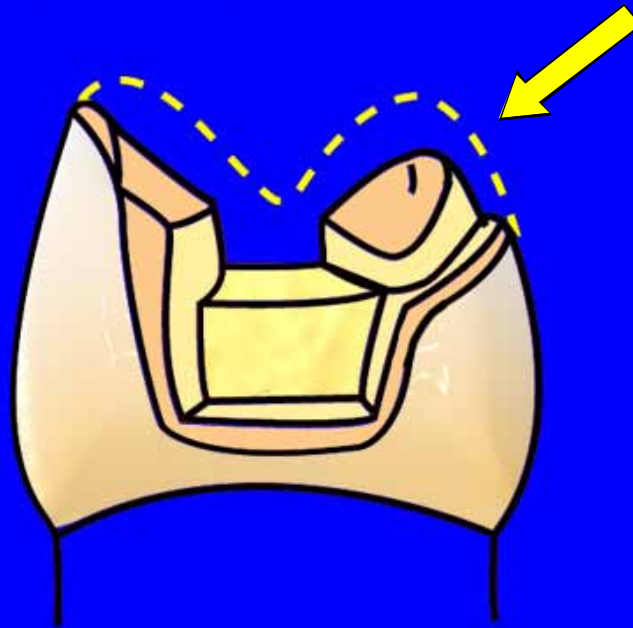
"Aesthetic" Onlay



Menu



"Aesthetic" Onlay



Cover
Working
Cusps

Menu



"Aesthetic" Onlay

Bevel
Non-
working
Cusps

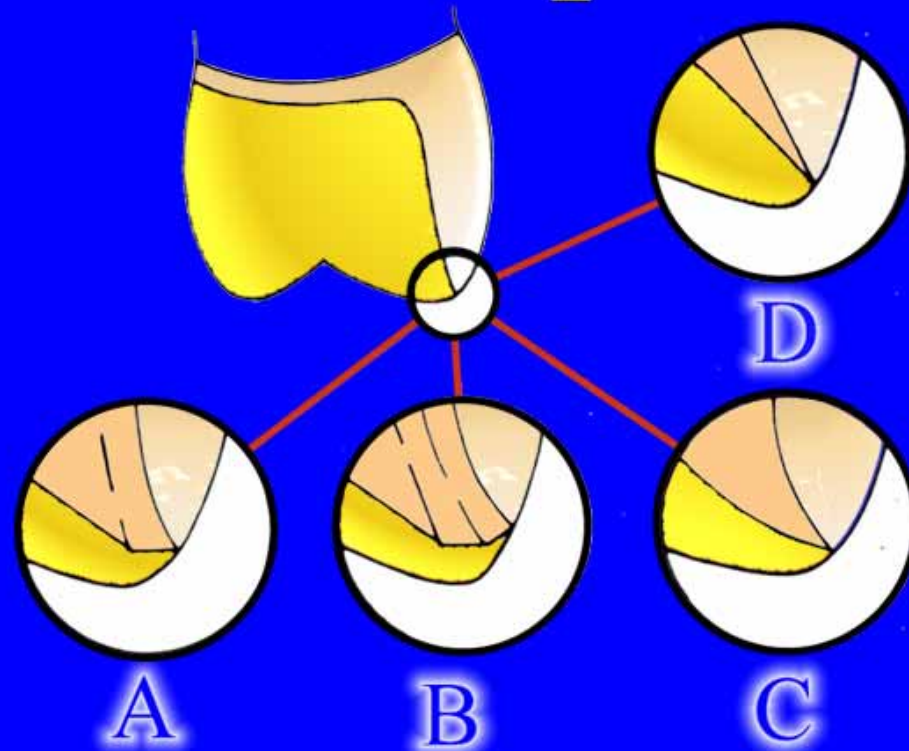


for
Aesthetic
Reasons

Menu



Buccal Tip Finish

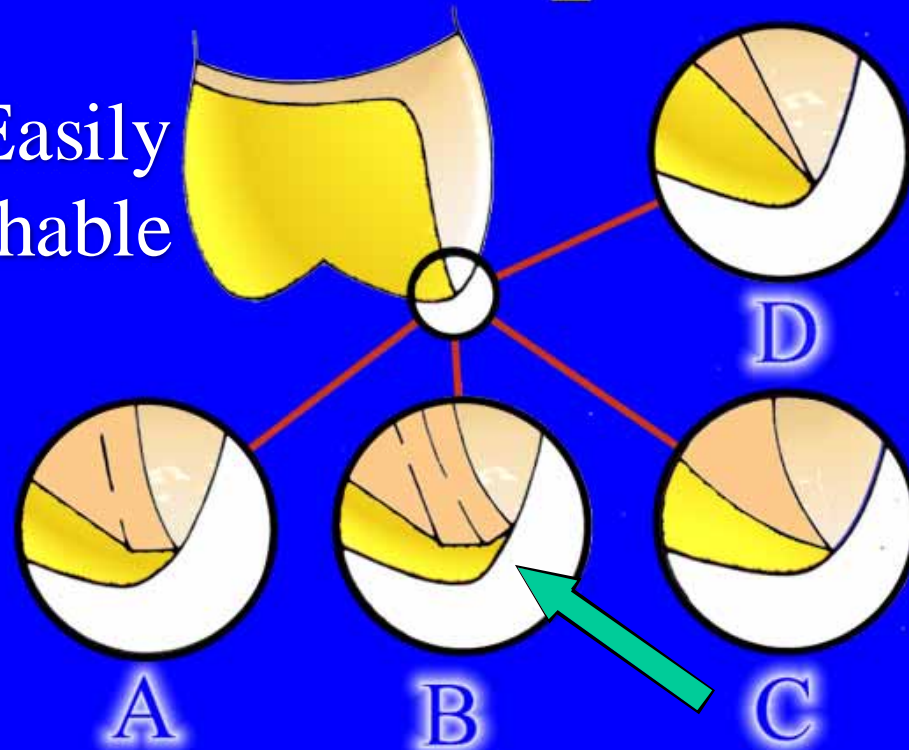


Menu



Buccal Tip Finish

Most Easily
Burnishable

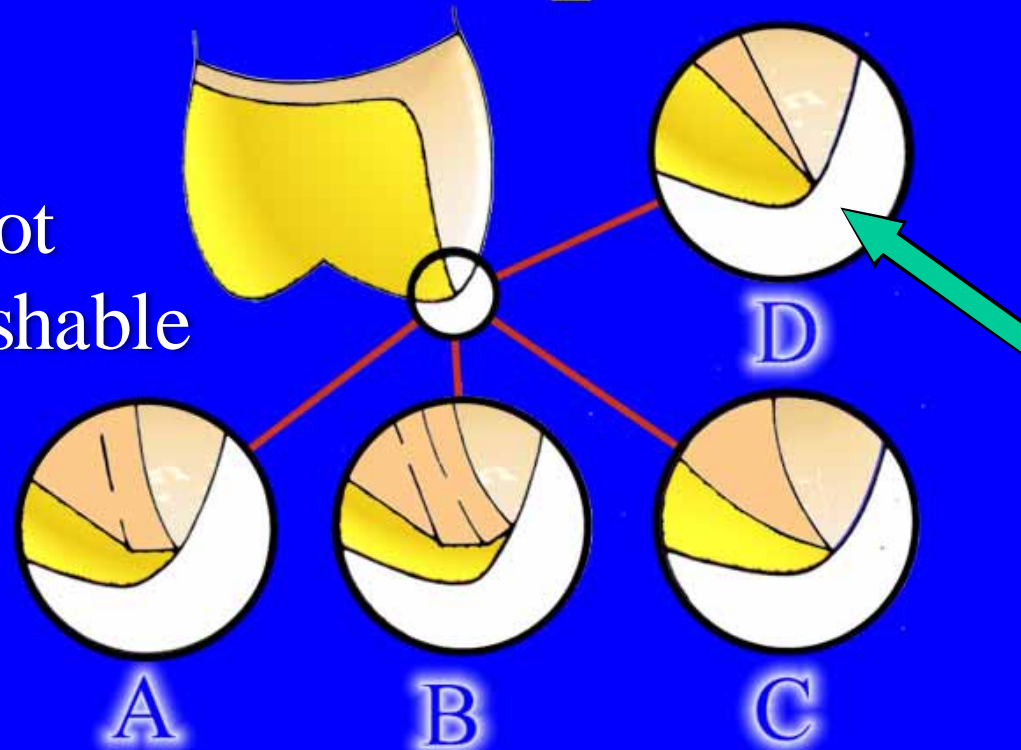


Menu



Buccal Tip Finish

Not
Burnishable

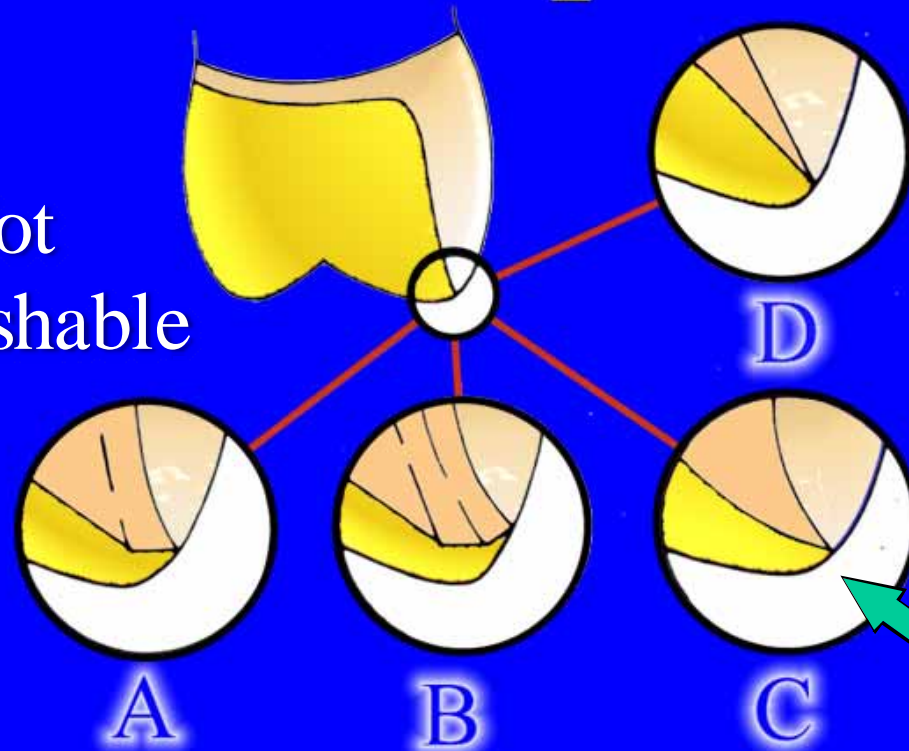


Menu



Buccal Tip Finish

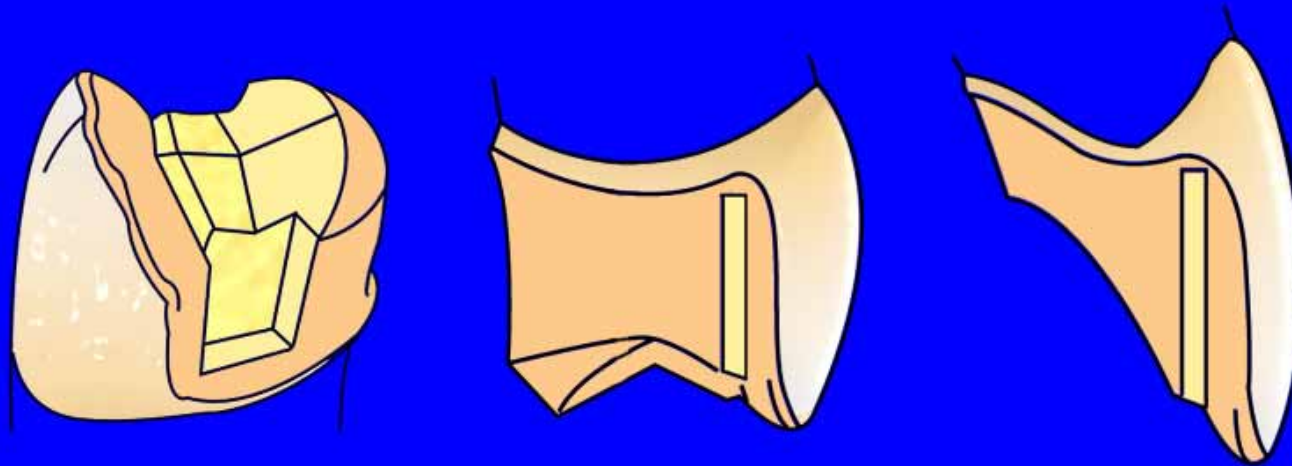
Not
Burnishable



Menu



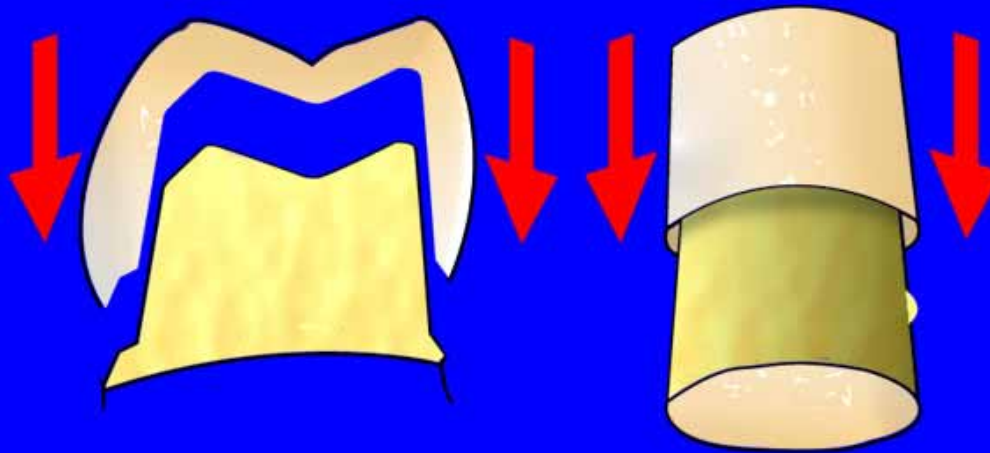
Three Quarter Crowns



Menu



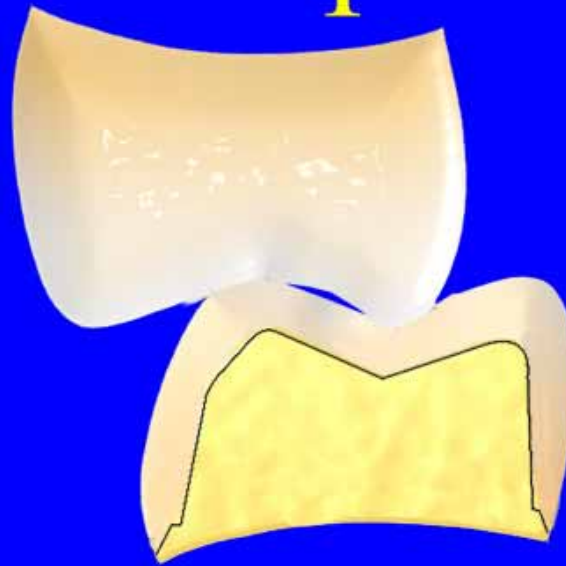
Retention



Menu



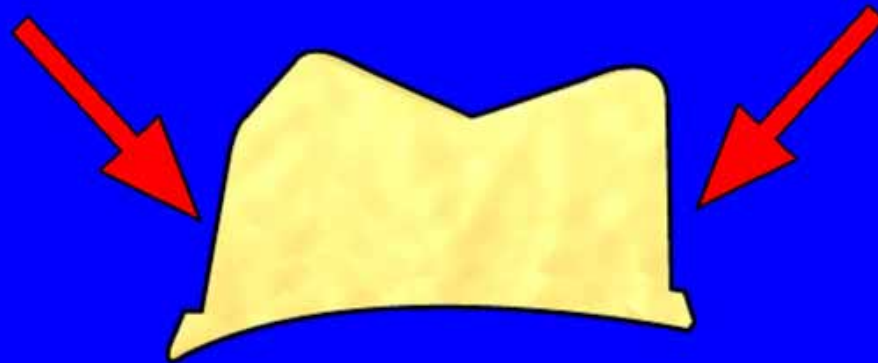
Full Crown Preparation



Menu



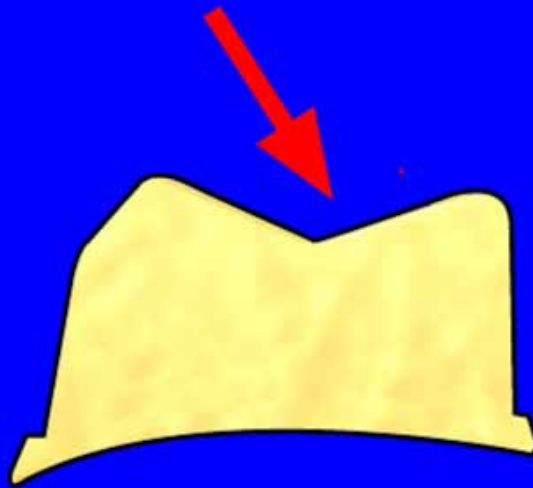
5-6 Degree Taper



Menu



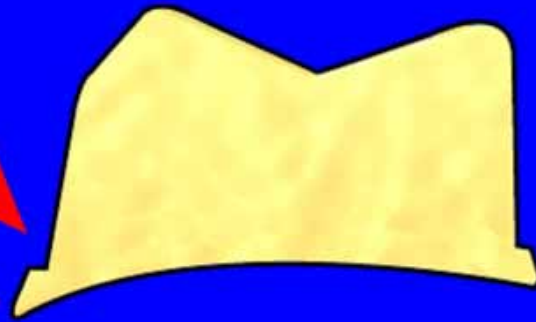
2 mm Occlusal Reduction



Menu



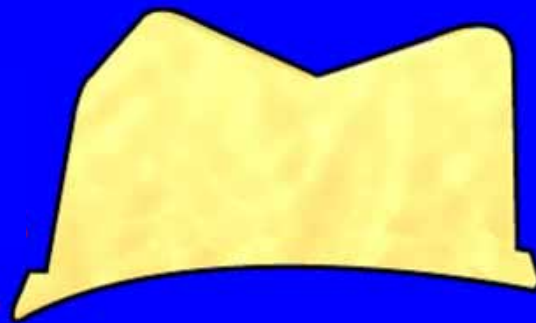
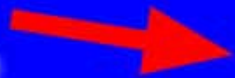
Shoulder



Menu



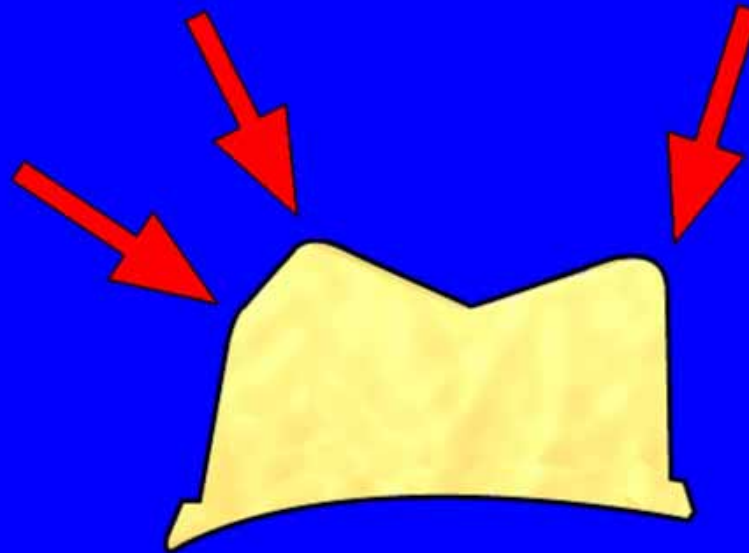
Bevel



Menu



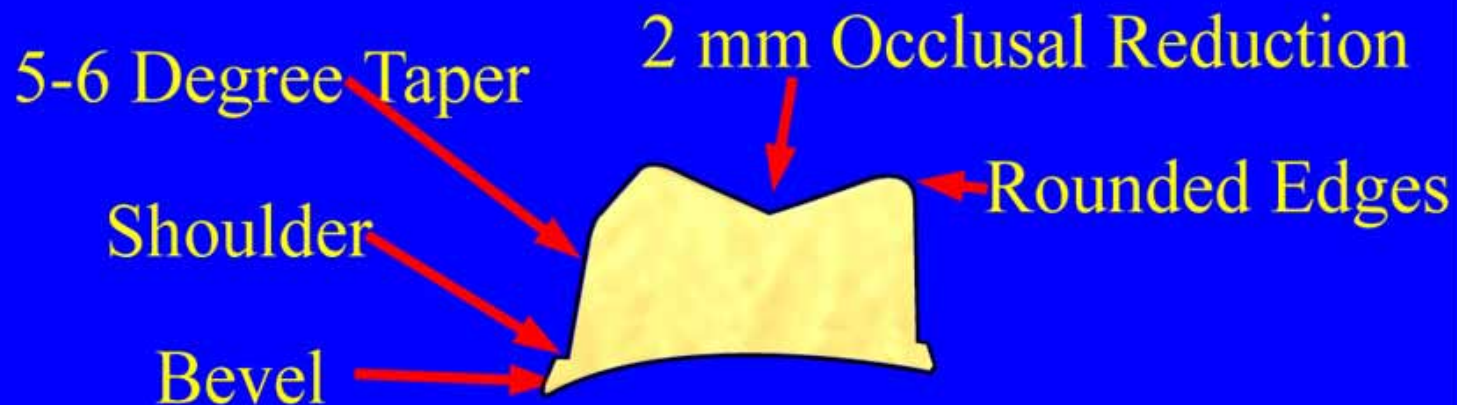
Smooth Edges



Menu



Full Crown Preparation with Full Bevel

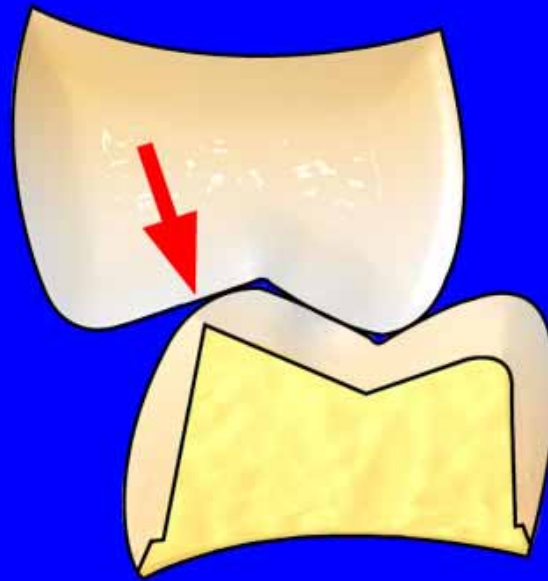


Menu



Occlusal Clearance

Round
Sharp
Edges



Menu



Occlusal Clearance



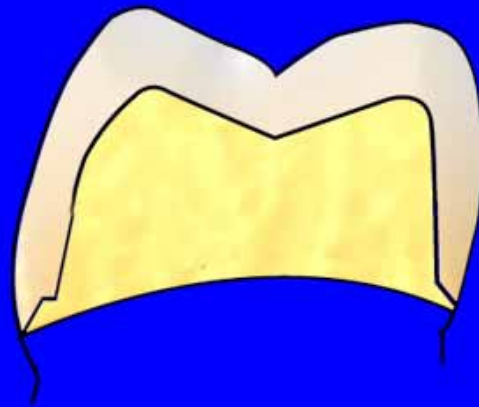
Not Enough
Clearance

Menu

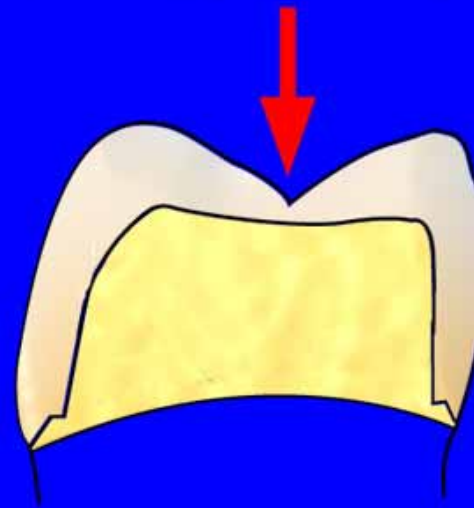


Occlusal Reduction

Correct



Incorrect

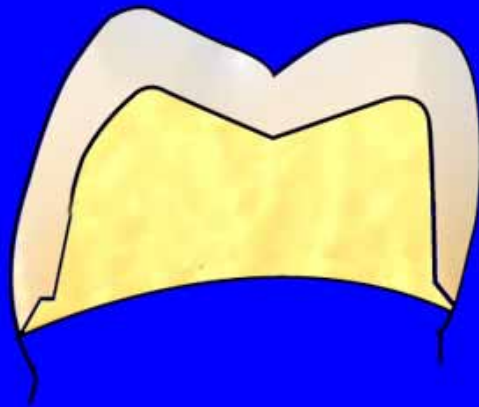


Menu

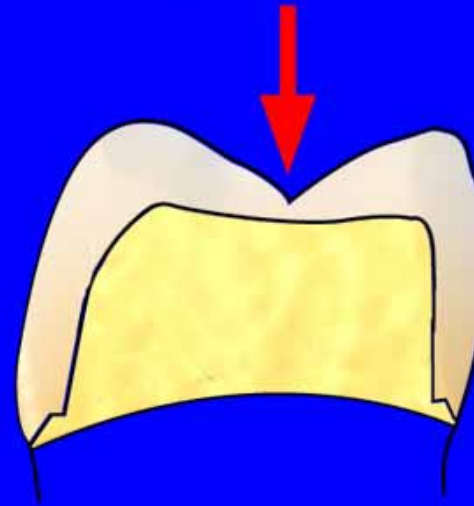


Occlusal Reduction

Correct



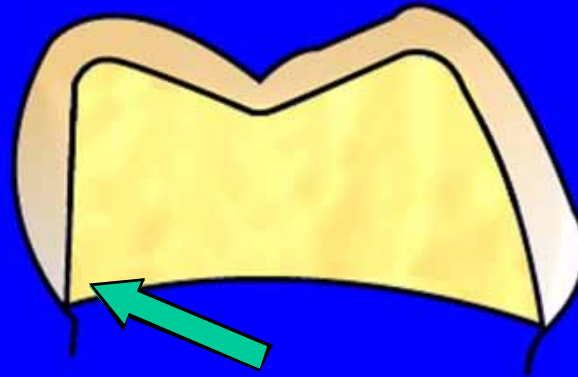
Not Enough
Clearance



Menu



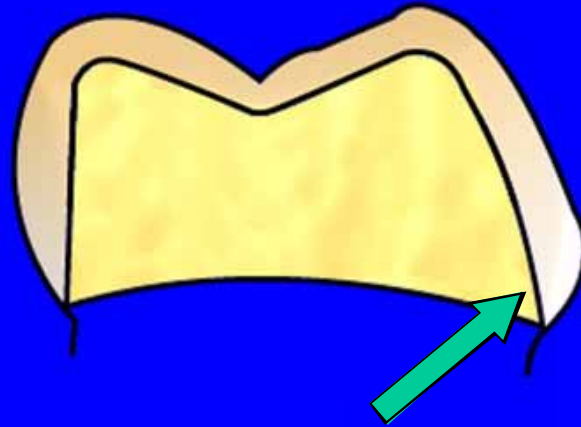
Under Prepared



Menu



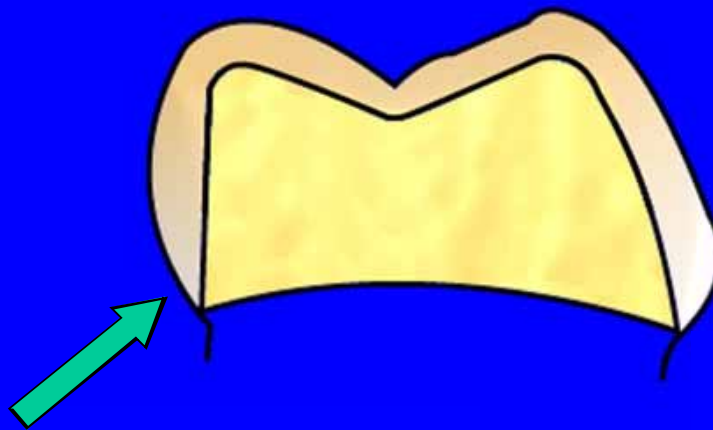
Under Prepared



Menu



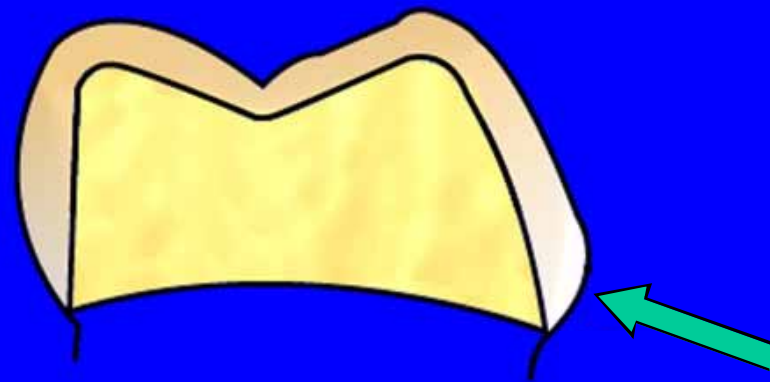
Results in Over-contour



Menu



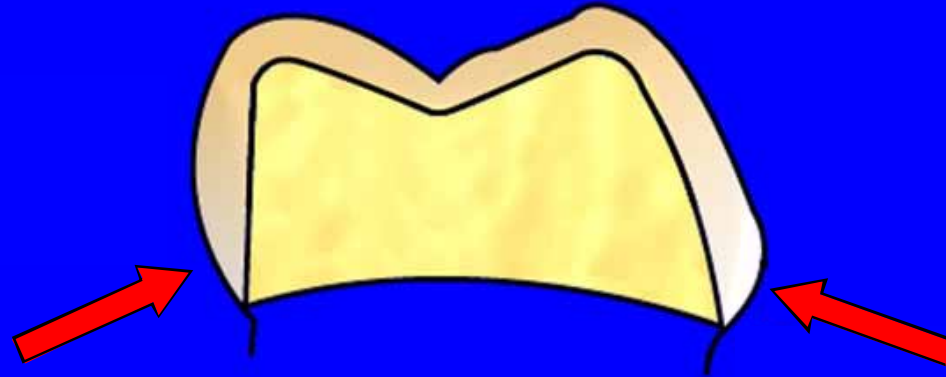
Results in Over-contour



Menu



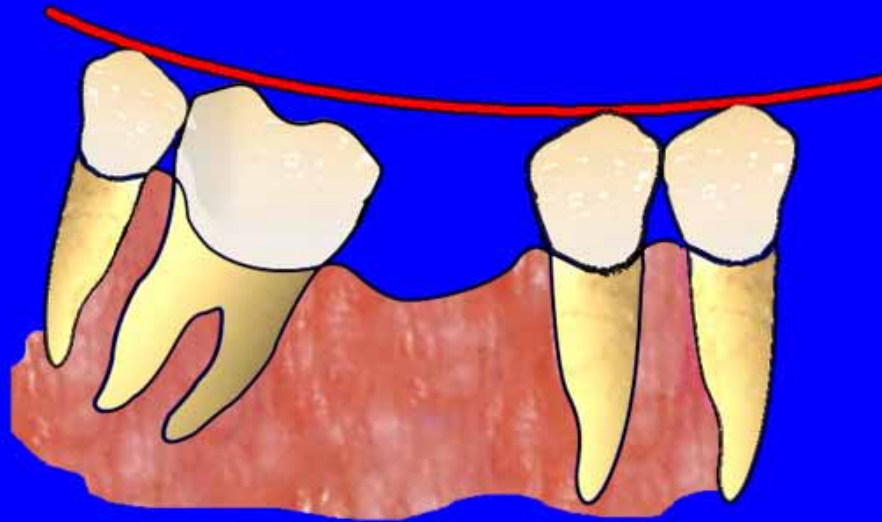
Over-contour allows Plaque Build-up in the Protected Areas



Menu



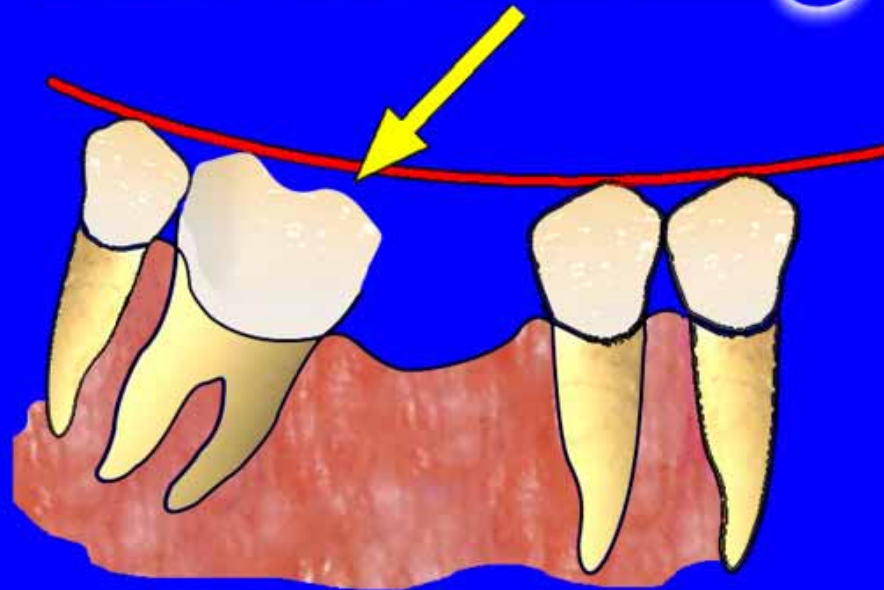
Curve of Spee



Menu



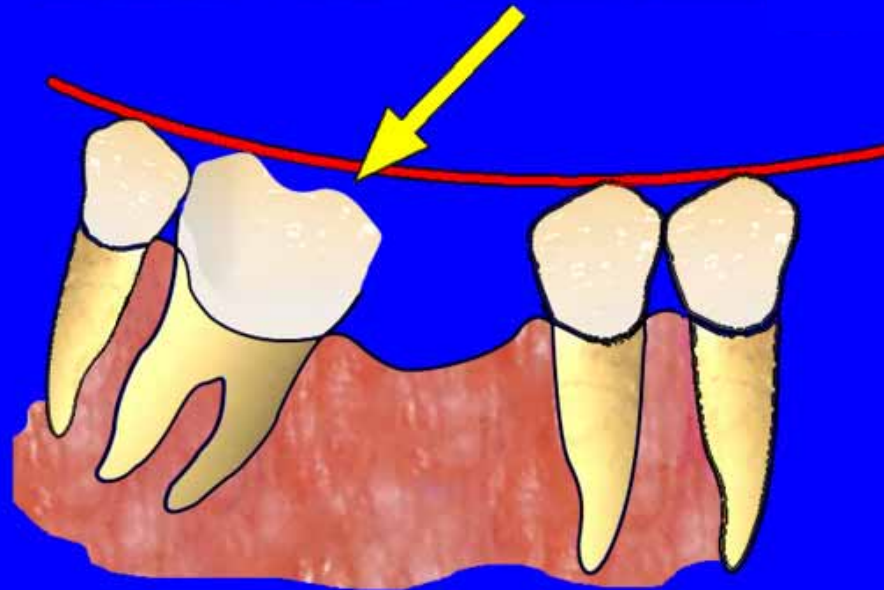
Initial Clearance due to Tilting



Menu



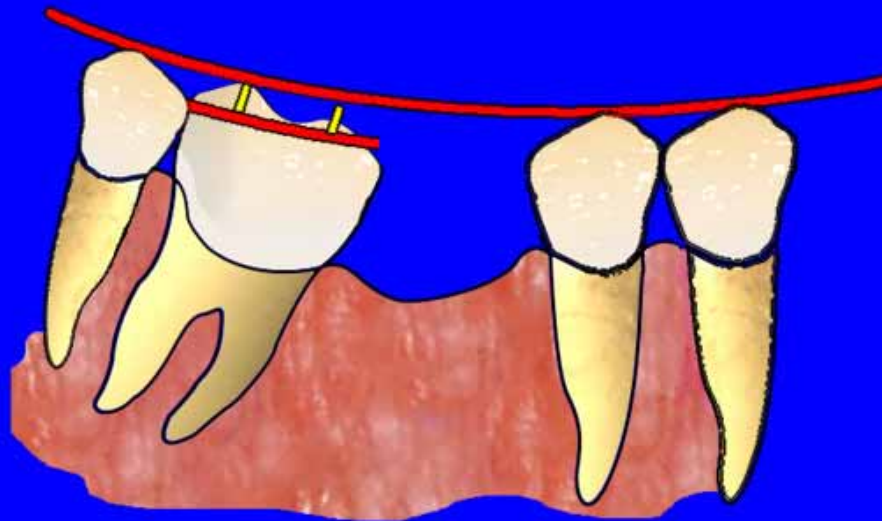
Only a Very Small Amount
of Occlusal Reduction required



Menu



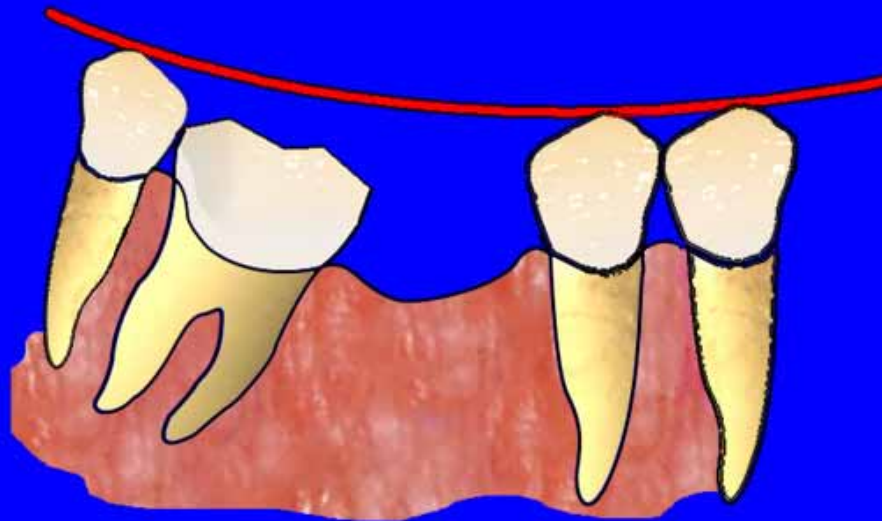
2 mm Clearance



Menu



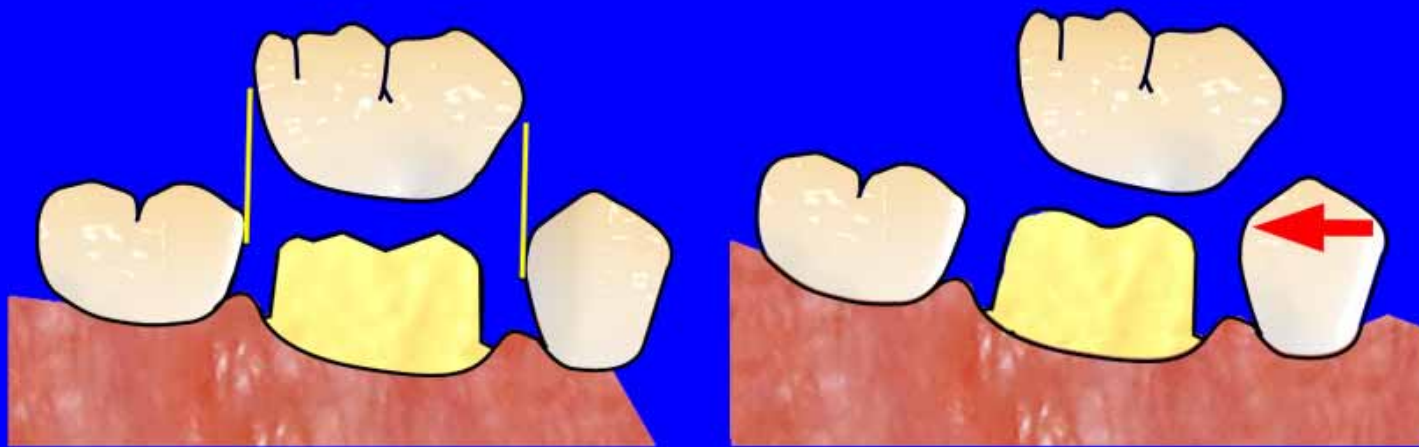
2 mm Clearance



Menu



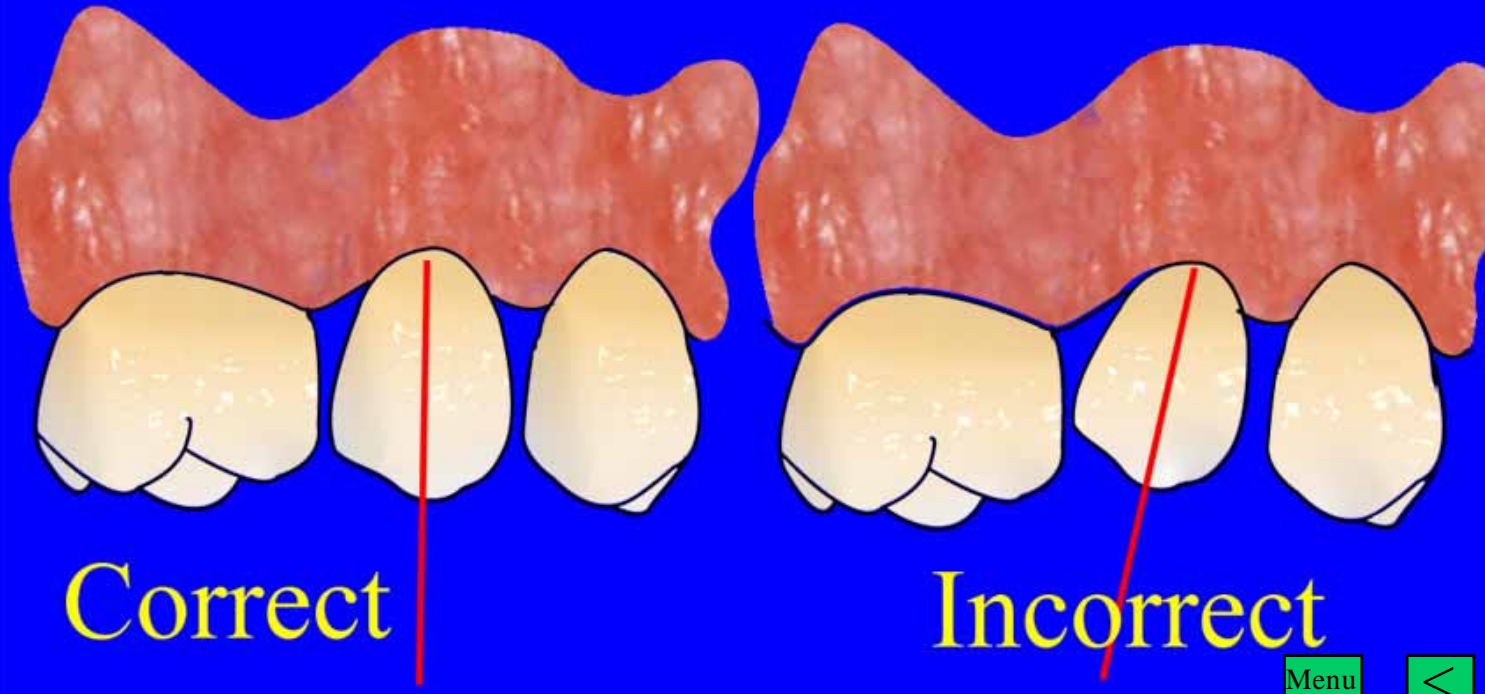
Path of Insertion



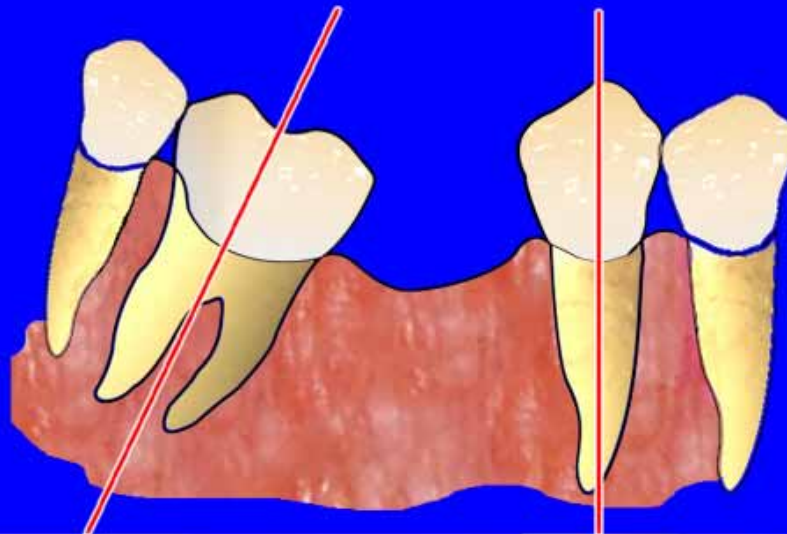
Menu



Path of Insertion



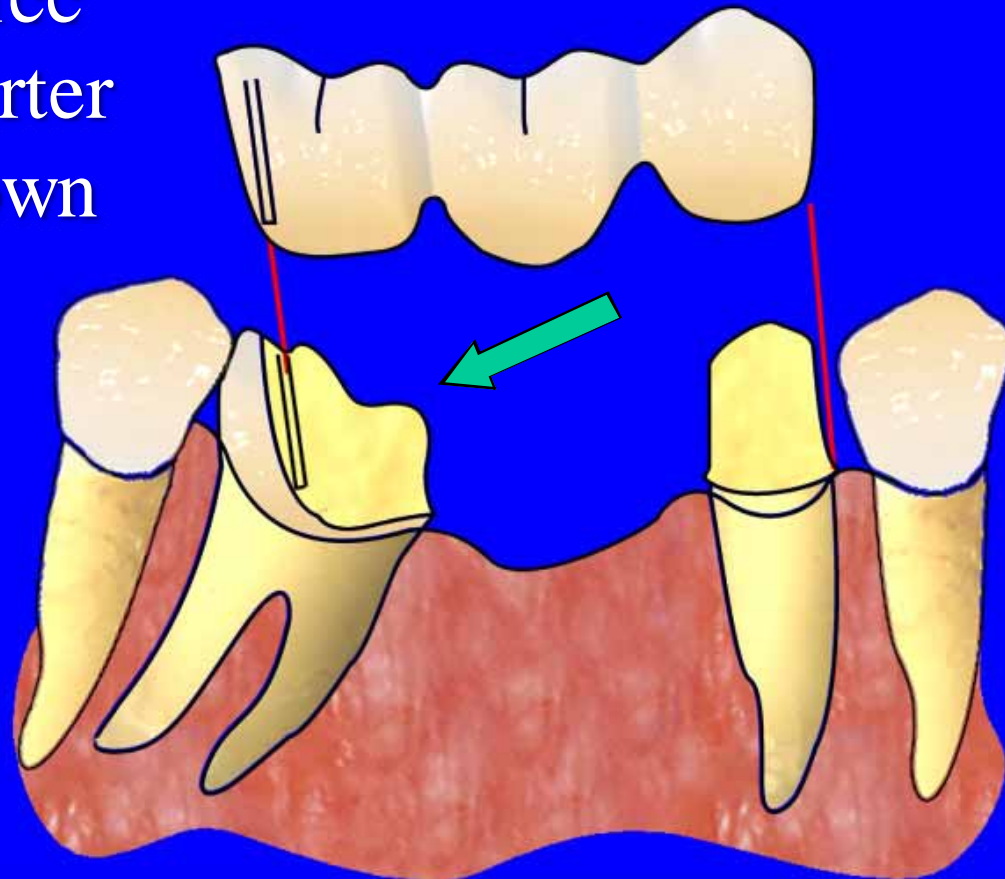
Solutions to Non-parallel Abutments



Menu



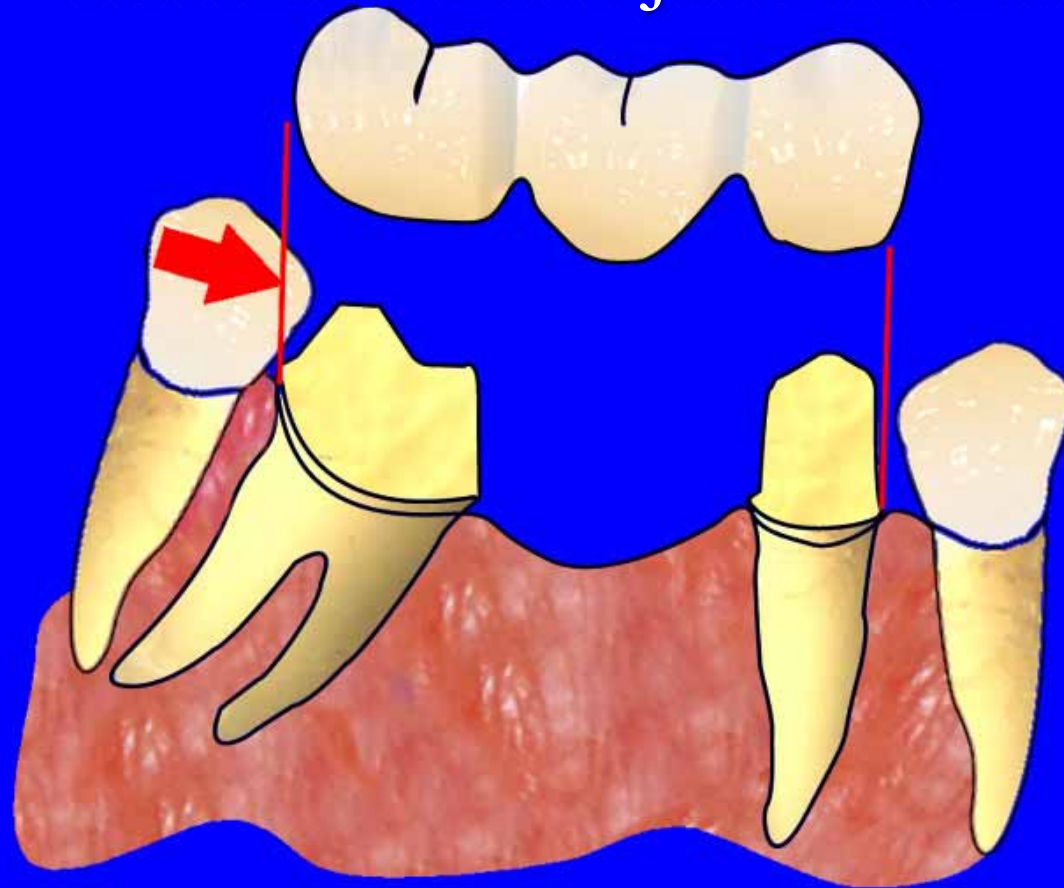
Three Quarter Crown



Menu



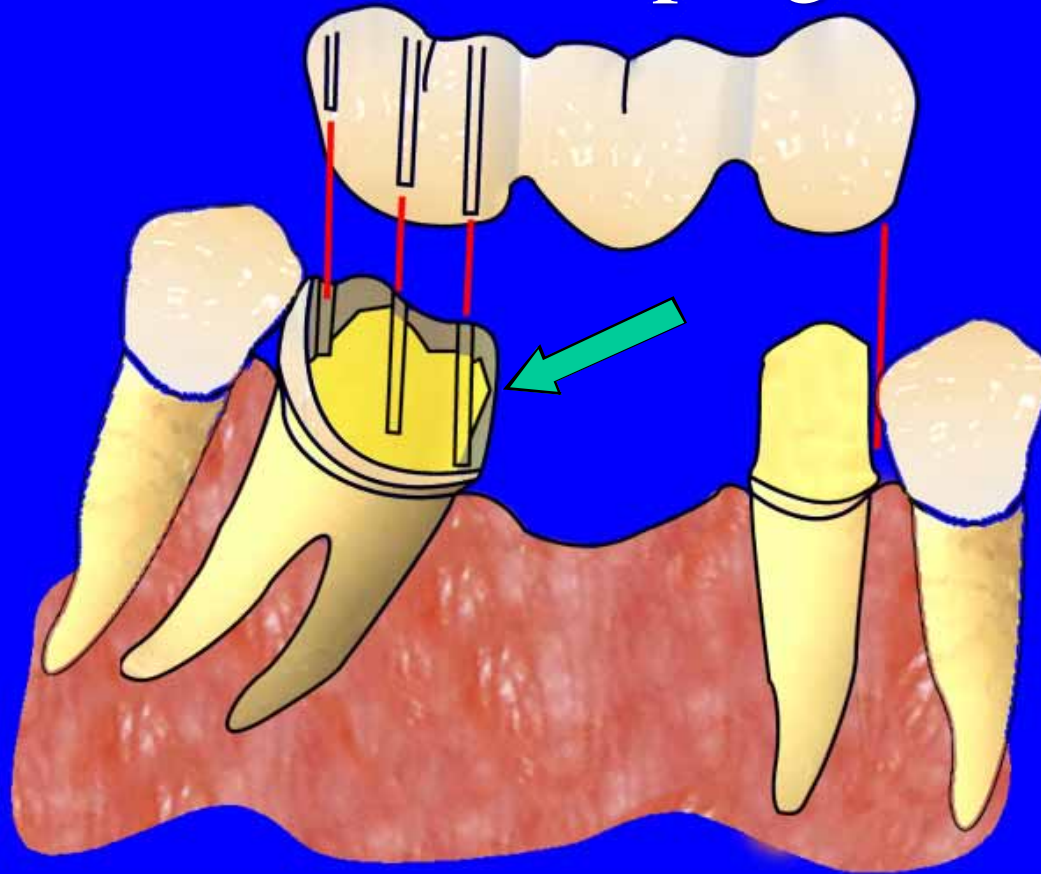
Recontour the Adjacent Contact



Menu



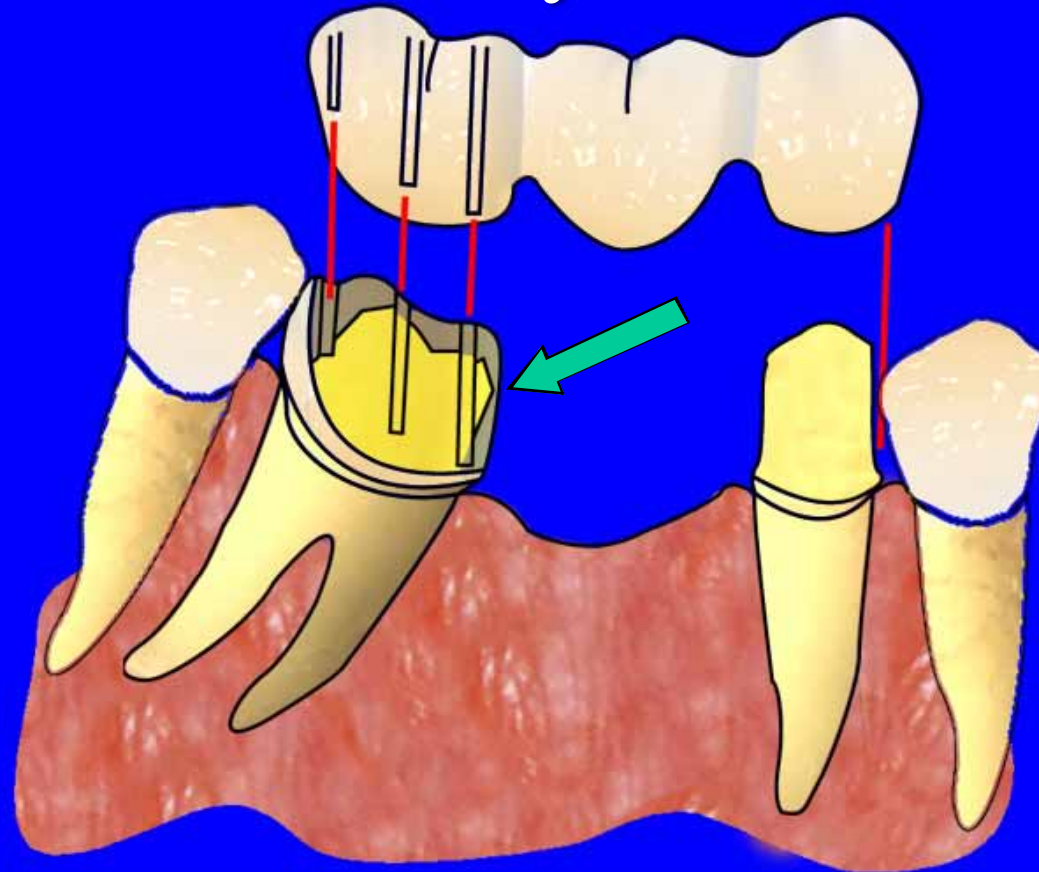
Fit a Coping



Menu



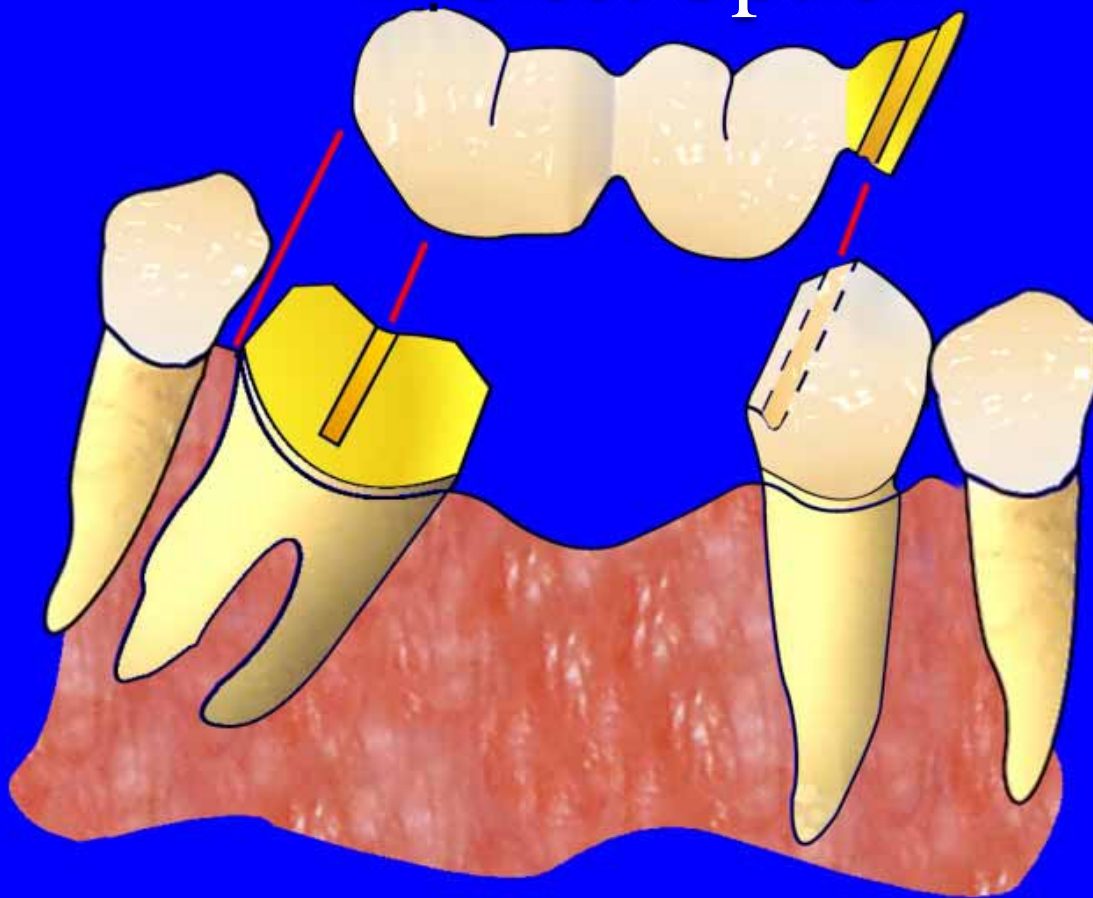
Accuracy Difficult



Menu



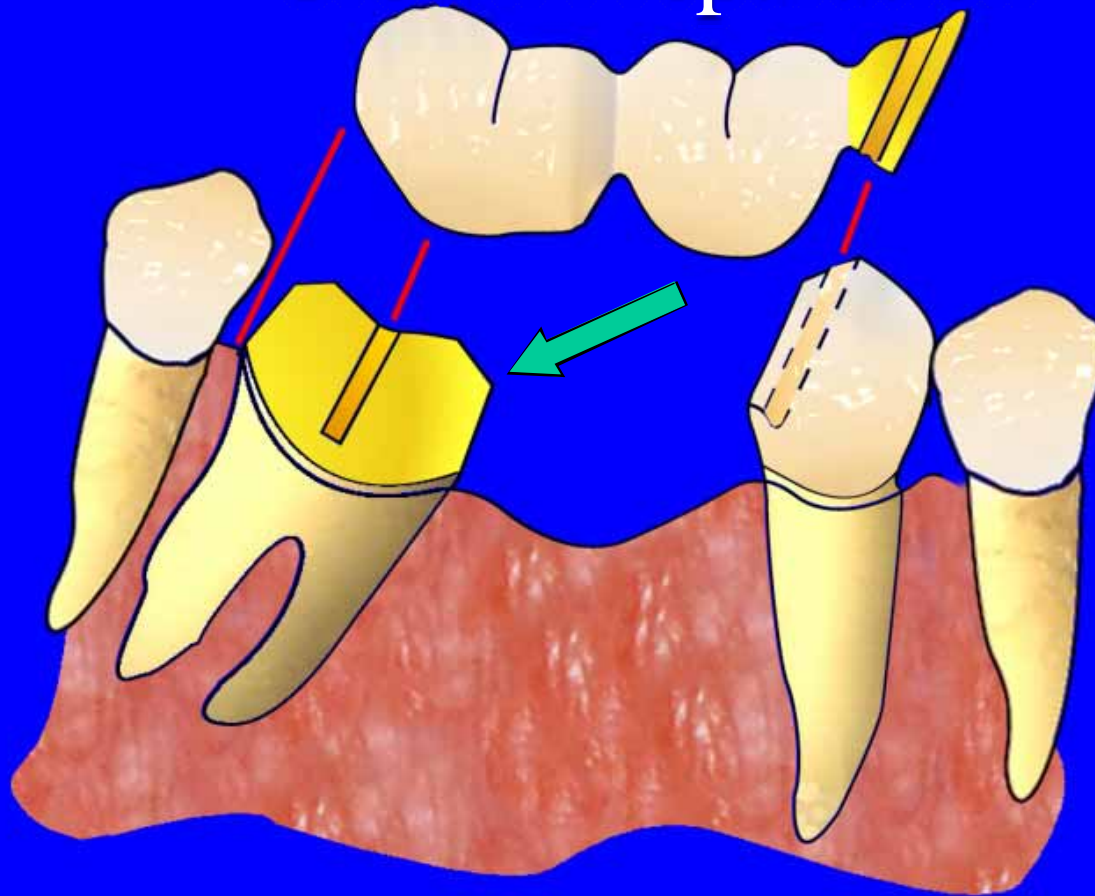
Easiest Option



Menu



Crown Preparation



Menu



Dovetail Attachment

