



Endodontic Lab

724

Laboratory Session
VIII

February 24, 2022

Remember the fish!



Next Week

Research Day

Quiz before going to research day

March 10

Canine start to finish

Theme: St Patrick's Day



Today's Plan

8:00-8:15

Quiz

8:15-8:45

Review maxillary 1st premolar access

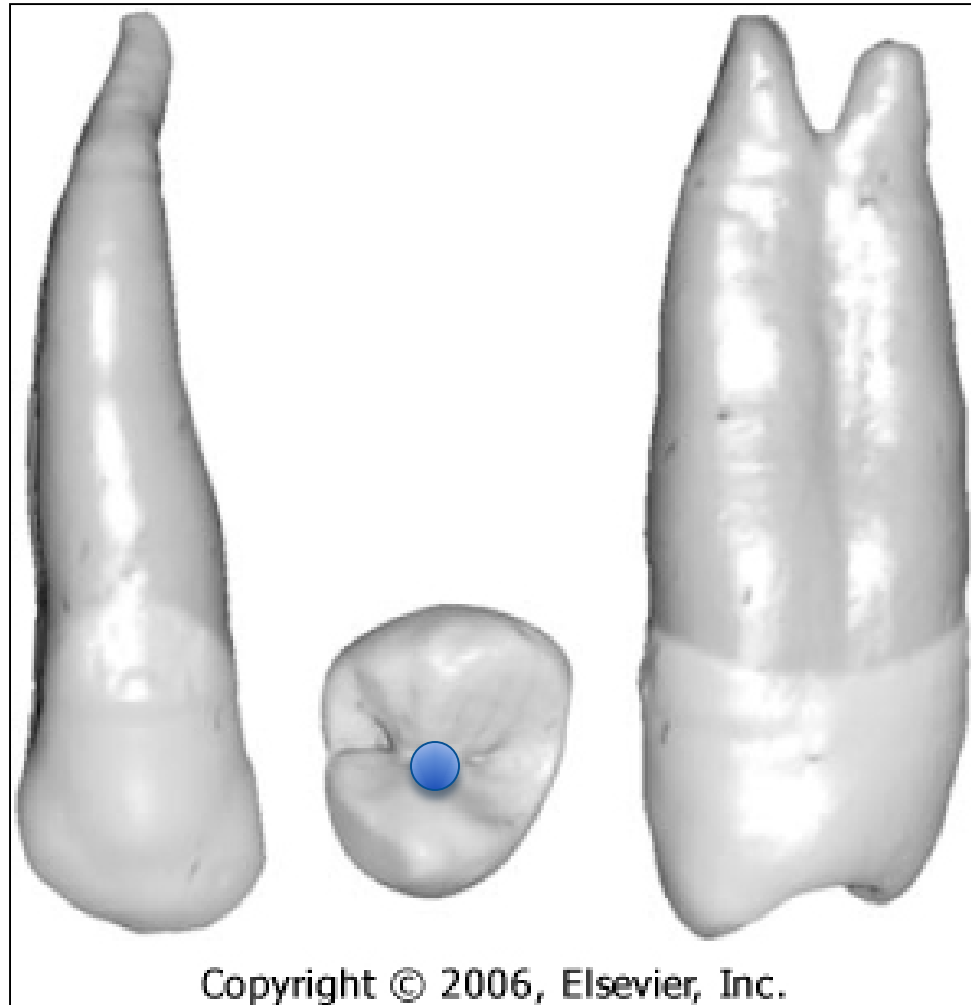
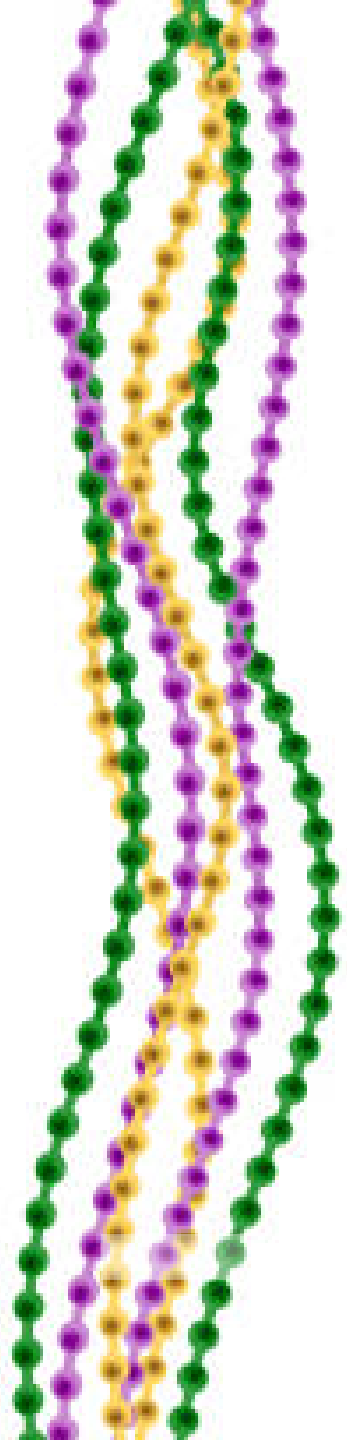
Burning questions?????

8:45-11:45

Projects:

1st maxillary premolar- access, C & S, obturate

Catch up other projects





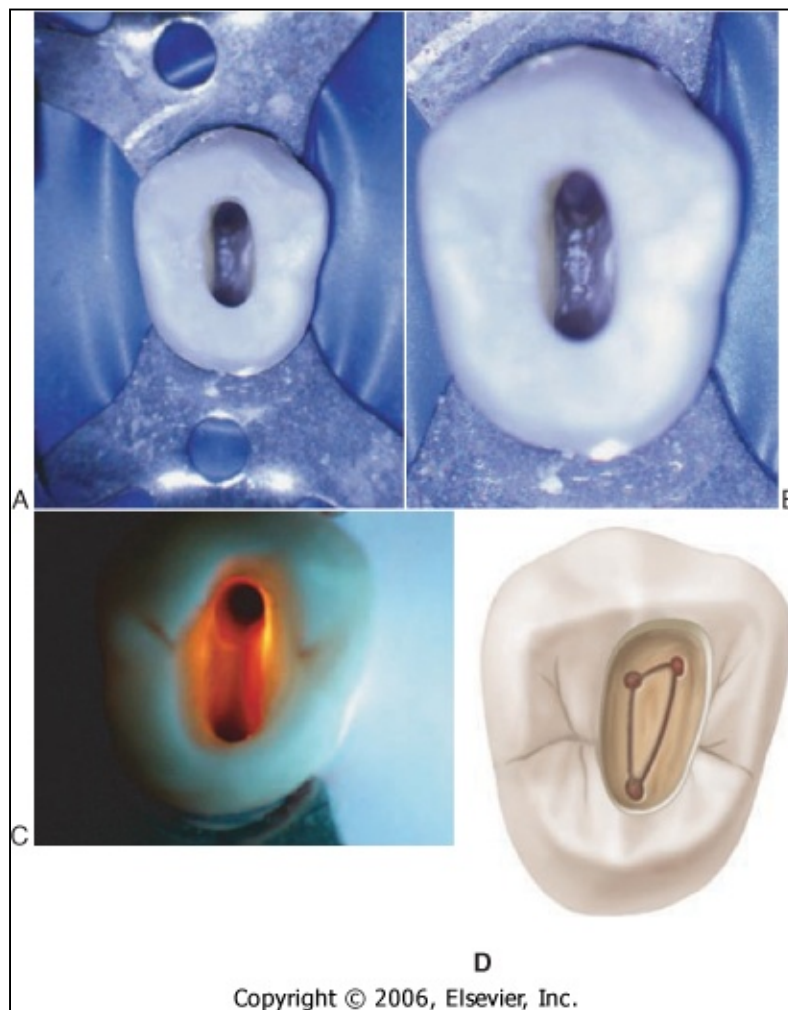
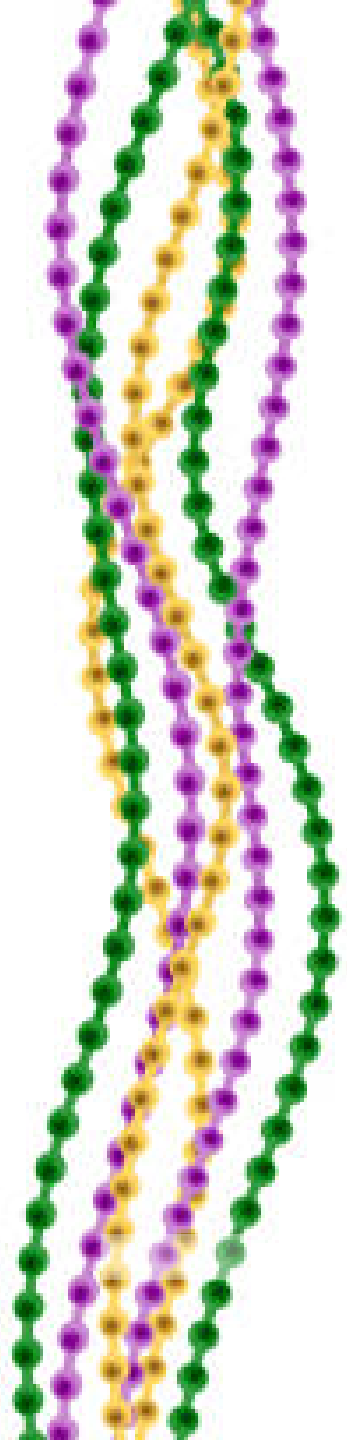
Maxillary 1st premolar

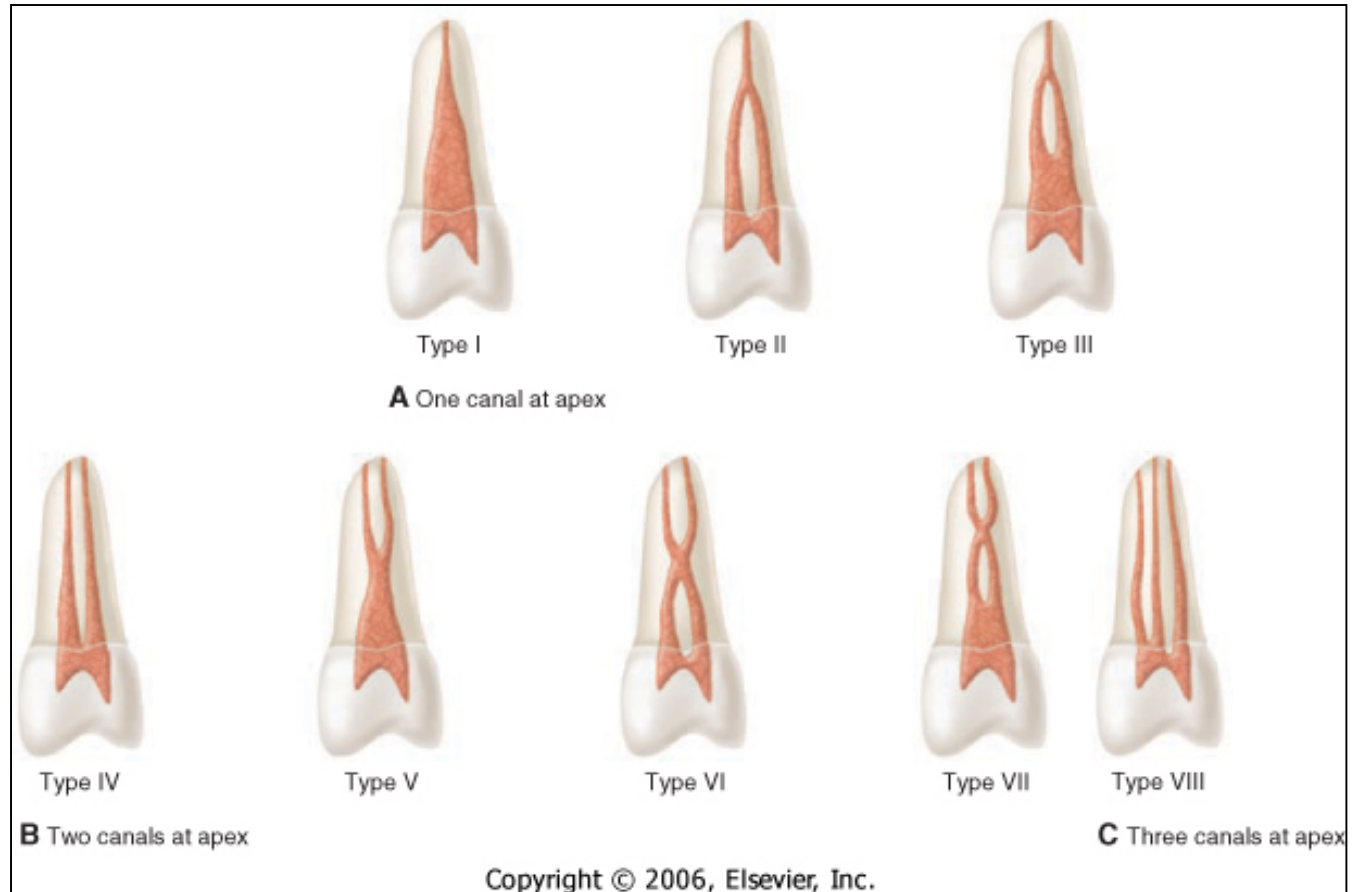
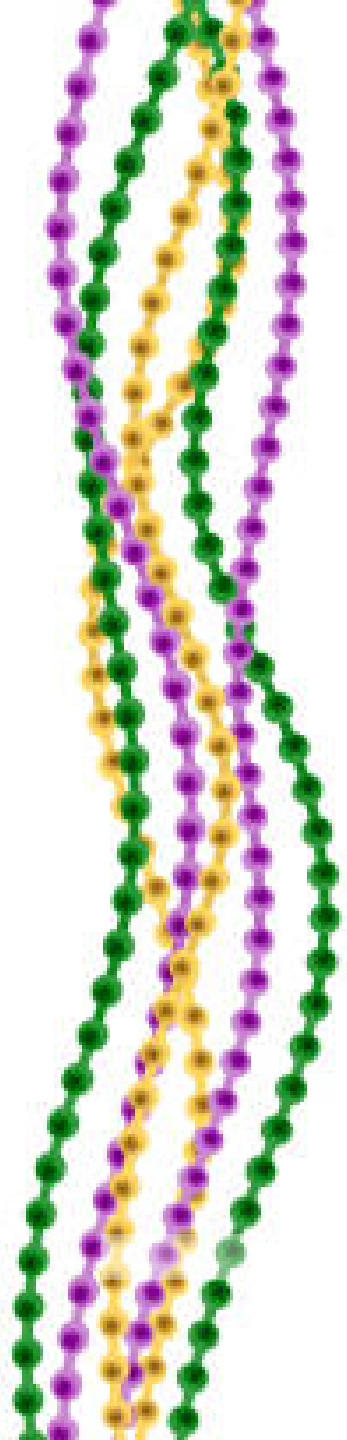
- Mid occlusal surface M-D and between B and L cusps
- Oval/elliptical shaped (#2 round bur)
- Target center at CEJ
- Approximately 6-6.5 mm to pulp horn/chamber



Maxillary 1st premolar

- Concentricity
- Centrality
- Symmetry







Max Premolar Root Canal Configurations

(Pathways of the Pulp, pp 199-201)

Maxillary first premolar

2 Canals 80%

1 Canal 18%

3 Canals 2%

Maxillary second premolar

1 Canal 65%

2 Canals 35%



Words of Wisdom

Use 21 mm files when ever possible

- Use cusp tips for reference points
- Take WL and master cone radiographs with all files/cones at same time
- Plugger fitting in multi-canaled teeth
 - Only have 2 System B pluggers, so write down the binding points for each canal
 - Do the same for the 1st hand plugger to be used
- Do not use Gates Gliddens prior to establishing a glide path
- Fit pluggers before master cones

Check points

Radiographs

(use the sextant holder for preop, working length, master cone, and check films)

- Preoperative radiographs, B-L and off angle (mounted)
- Working length- angled (B and L canals at same time)
- Master cone- angled (B and L canals at same time)
- Check film- angled (B and L canals at same time)
- Final (without RD), B-L and M-D views



Instructor check points

(please complete “grading” p 26, 82)

Halfway access

Access

Working length film

Apical gauging, master cone fit, plugger fit

Master cone radiograph

Check radiograph

Final radiograph

Swipe “endo working lengths” form



Gates Gliddens!!!

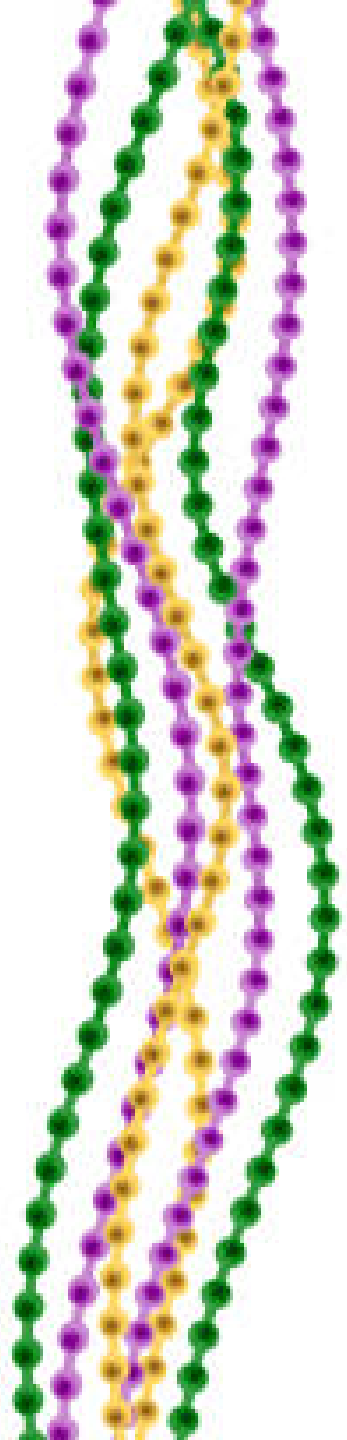
**MEASURE TWICE, CUT
ONCE!!!**



Irrigate!!!

Irrigate!!!

Irrigate!!!



PATENCY!!!

PATENCY!!!

PATENCY!!!



Questions????



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access

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Projects:

1st maxillary premolar- access,
C & S, obturate

Catch up other projects, “access
only”



And remember....

“A day without endo
is a day without sunshine!!!