

SESSION 3 Summary

Lecture videos

REST 722-Adhesive Cementation (Echo Cloud)

Ceramic restoration cementation (Echo Cloud)

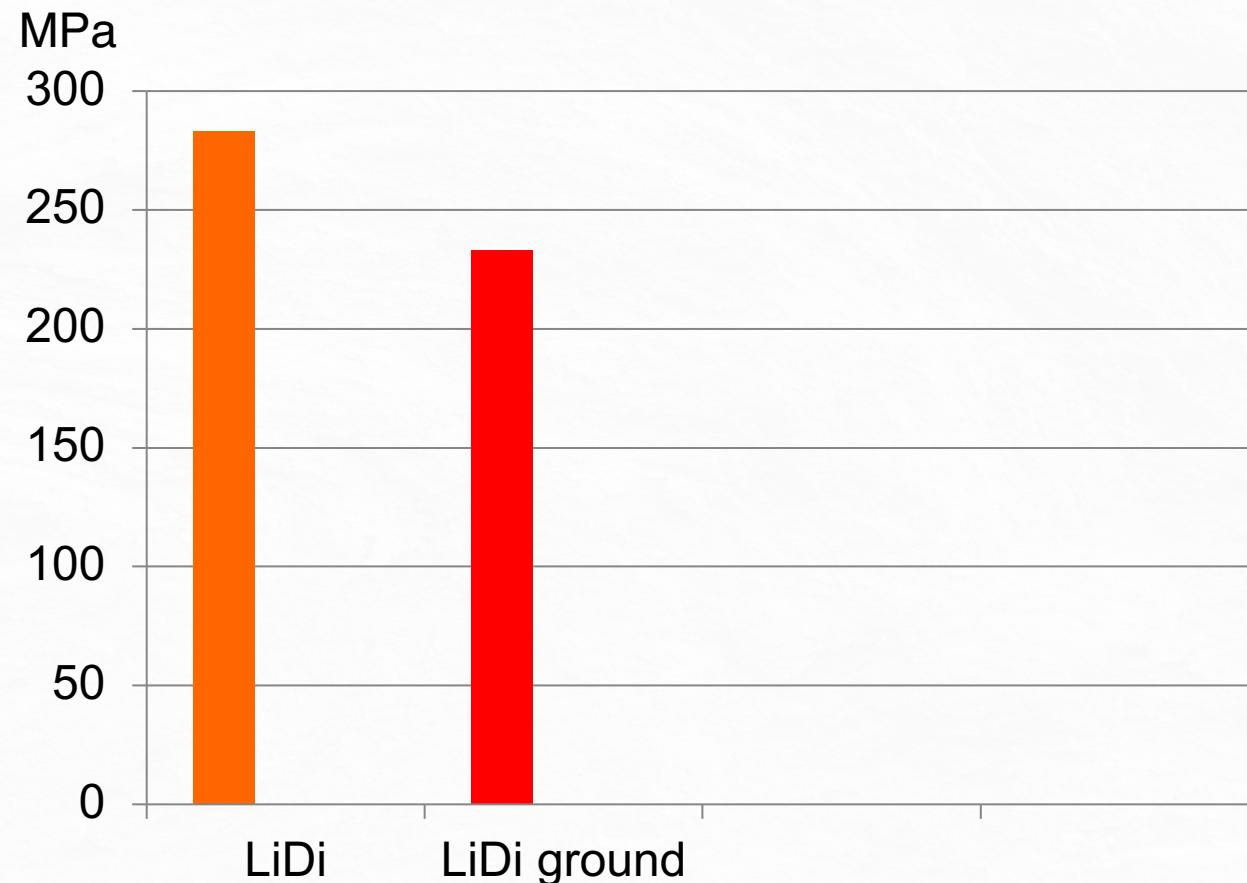
Empress Polishing (Echo Cloud)

Crown #12



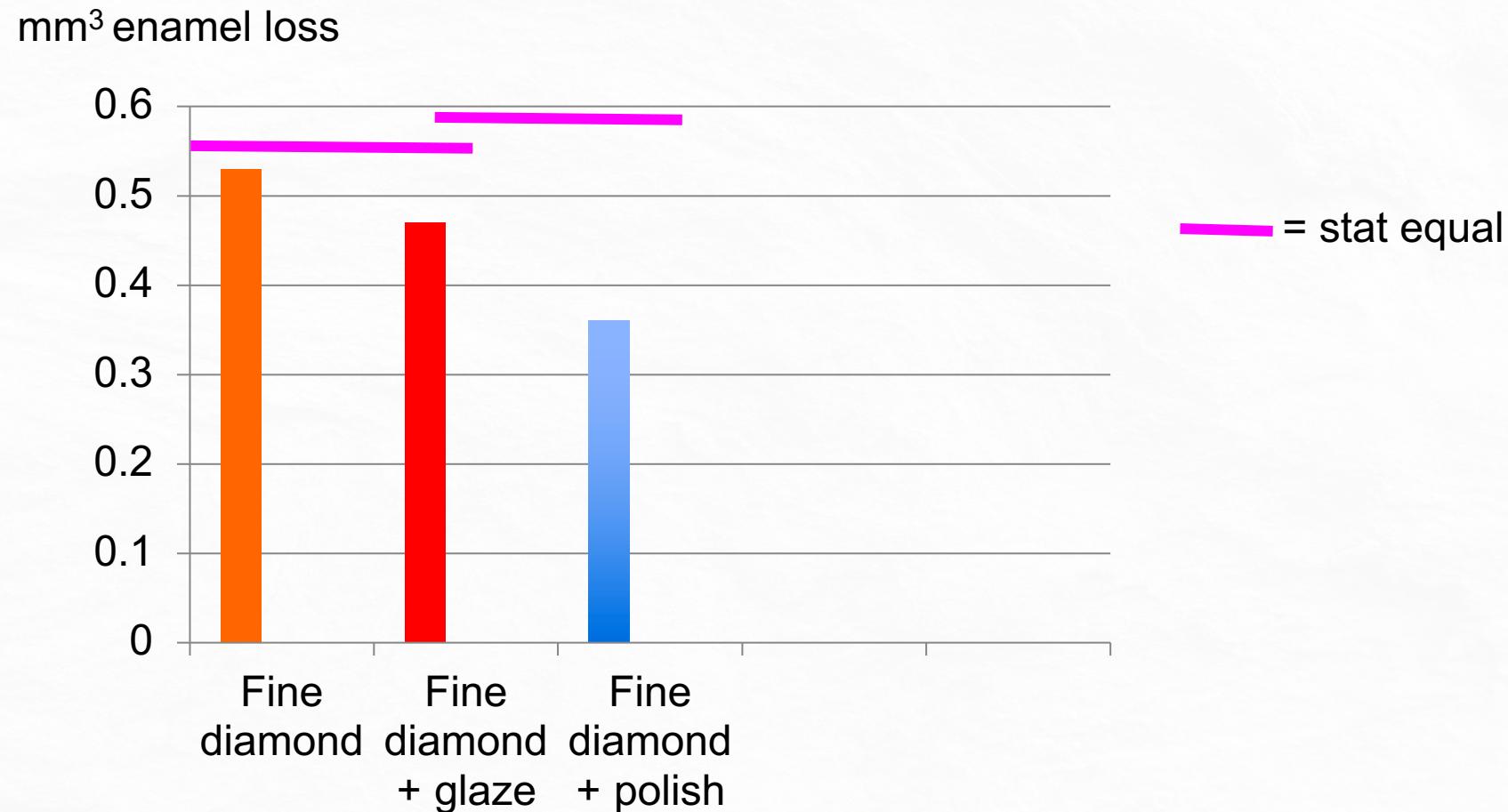
All Ceramic Restorations

Effect of grinding Lithium Disilicate on flexural strength



All Ceramic Restorations

Effect of surface finish on opposing enamel wear



All Ceramic Restorations

Intaglio Surface

- Etch internal surface with 9% HF acid
 - eMax = 15 sec (20 sec with 5% HF)
 - Feldspathic = 90 sec
- Place silane on internal surface x **60** sec, air-dry, set aside





All Ceramic Restorations

Tooth Surface

- 1 drop Primer A + 1 drop Primer B, mix



All Ceramic Restorations

Tooth Surface

- Apply 1:1 mixture of primer A&B to prep x 30 sec, air dry







Selective Etching





Multilink® Auto

Self-curing resin-based dental luting material
with light-curing option



All Ceramic Restorations

Intaglio Surface

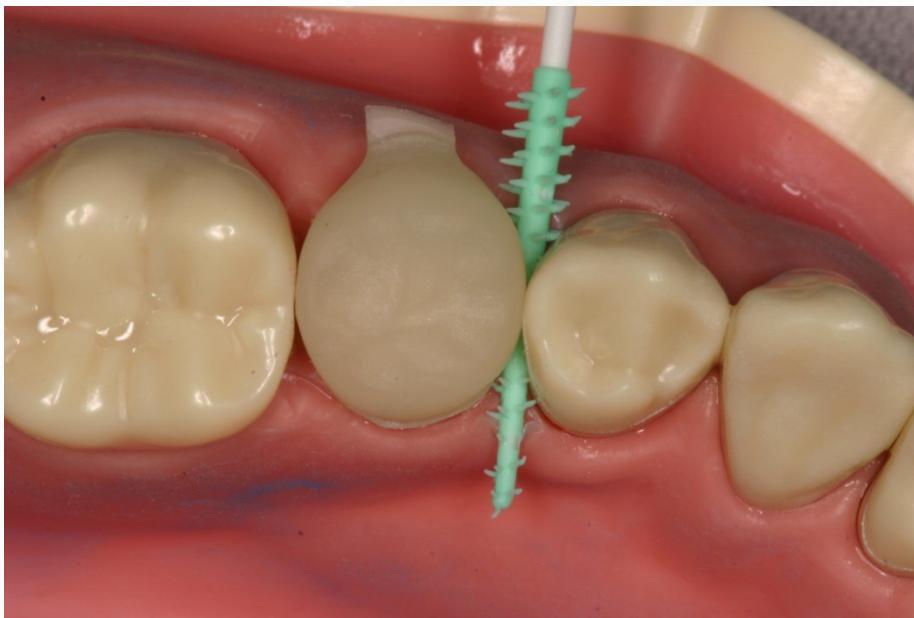
- Mix dual cure cement and place in crown
- QUICKLY apply cement to all surfaces
- Want to ensure there will be some cement that extrudes around entire periphery
- Do NOT over-fill the crown
 - This will result in excess cement that will require longer clean-up



All Ceramic Restorations

Cementation

- Place restoration onto prep and gently seat
- Remove excess cement with brush
- Completely seat, forming a bead around entire periphery
- Remove excess proximal gingival cement with floss or softpicks
- Light Cure 1-2 secs F, 1-2 sec L
- Confirm no interprox excess, remove F & L excess with 12/12B blade, cure x 60 sec from multiple directions, no longer than 10s/surface



Course Schedule

Session 3

Time	Activities
1:00 -1:15	Quiz, Q&A on adhesive cementation, finishing and polishing lecture & video
1:15 – 5:00	<ul style="list-style-type: none">- Scan & restoration design crownlay prep #5;- Rotations through Omnicams for scanning, designing, and milling
1:15 – 5:00	<ul style="list-style-type: none">- Full ceramic crown prep #12 x 2- Self assessment of each prep #12; select the best

Omnicam scanning and designing schedule for Session 3 #5

Crownlay

Student								
Unit #	1	2	3	4	5	6	7	8
Time								Keep this unit for milling
20 minutes or less	Zhen	Zack-Cade	Youssef	Young	Walker, Br	Walker, Be	Wadas	
	Watcher	Van	Tran	Tew	Taher	Sultan	Strand	
	Steiner	Sonu	Singh	Shah	Schumacher	Roshdy	Rose	
	Robinson	Riddle	Renyer	Schwyhart	Osborne	Novak	Nordmark	
	Nordlie	Nguyen, D	Nguyen, A	Nem	Nasirzadeh	Morales	Mondelli	
	Manabat	Liao	Lawrence	Waterworth	Lara	Lahti	Krippaehne	
	Kludt	Kameshige	Naemura	Hamble	Haraguchi	Delgado	French	
	Forshaw	Ellis	Elkhal	Elamin	Dinius	Chou	Chen	
	Carter	Bothwell	Cote	Bornstein	Blair	Baker	Bailey	
	Biltoft	Anderson	Amundson	Almog				

Quiz questions in Session 3

- Describe all ceramic restoration cementation steps.
- Differences between Dual and Light cure cements.
- If restoration doesn't seat, what will be the next step?
- What is the significance of polishing after occlusal adjustment?
- What materials need HF etching?
- Correct HF etching steps.

Submission deadline Session 4