STAINLESS STEEL CROWNS

SHAN LAL , DDS Director, Pre-clinical Programs Pediatric Dentistry

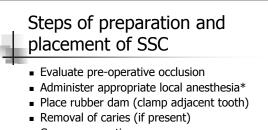
SSC- Primary and Permanent



- Full coverage, metallic, definative restorations
- Available as: pretrimmed (Unitek), precontoured and festooned (Ni-Chro ION crowns)
- Durable and cost effective

Indications for use of SSC Restoration of primary and young permanent teeth with multiple carious surfaces. Class 2 lesions where the caries extend beyond the anatomic line angles. Restoration of primary teeth after pulpotomy or pulpectomy procedures. Hypoplastic teeth. Hereditary anomalies (D.I., A.I.) Pts. with special needs.

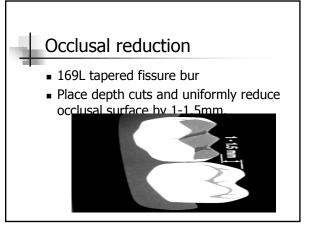
 As an abutment for space maintainers or prosthetic appliances.

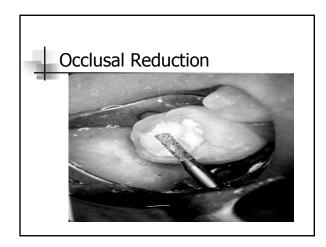


- Crown preparation
- Selection and trial placement of SSC
- Contour and crimp (if necessary)
- Evaluate post-operative occlusion
- Cementation

Crown preparation

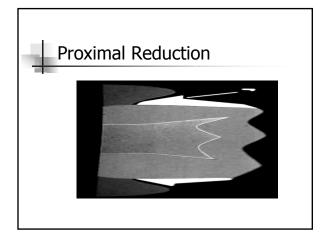
- Occlusal reduction
- Inter-proximal
- Buccal and Lingual (limited to occl 1/3)

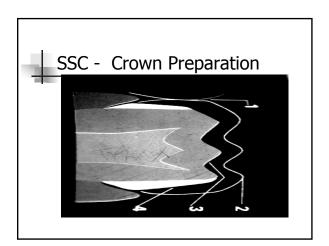


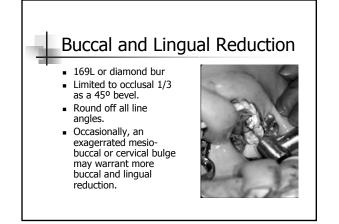


Proximal Reduction

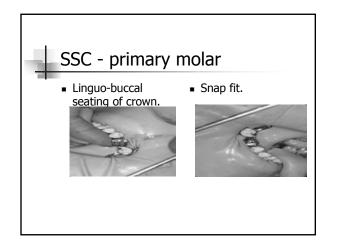
- 169L tapered fissure or thin tapered diamond bur.
- Break proximal contacts at appropriate depth in single sweeping motion.
- Vertical proximal walls with slight convergence in an occlusal direction.
- Feather-edge finish line.
- Common error ledge formation.







Crown selection and Try-in PLACE or seat crown SELECT smallest crown from lingual to buccal. that restores pre-Push crown over the existing proximal buccal bulge for a snap contacts. fit. Occlusal dimensions of Check margins for close SSC should be same as cervical adaptation pre-op. tooth. extending 1mm Most commonly used subgingivally. molar SSC is size 4. 'Blanching effect' -Remove dam and check occlusion.



Crimping and contouring

- Crimping and Contouring involves bending the gingival 1/3 of the crown's margins inward to establish a tight marginal fit and adaptation.
- Pliers #114, 417
- ION crowns require least adjustments.



