



Semnan UNIVERSITY
OF
MEDICAL SCIENCES

Soft tissue Augmentations

Dr Sahar Asgari

DDS,MSc, Assistant professor of periodontics department

Problems Associated With Attached Gingiva

- Widening the attached gingiva accomplishes four objectives:
 1. Enhances plaque removal around the gingival margin
 2. Improves aesthetics
 3. Reduces inflammation around restored teeth
 4. Allows gingival margin to bind better around teeth and implants with attached gingiva

Criteria for Selection of Techniques

1. Surgical site free of biofilm, calculus, and inflammation
2. Adequate blood supply to the donor tissue
3. Anatomy of the recipient and donor sites
4. Stability of the grafted tissue to the recipient site
5. Minimal trauma to the surgical site

time-points

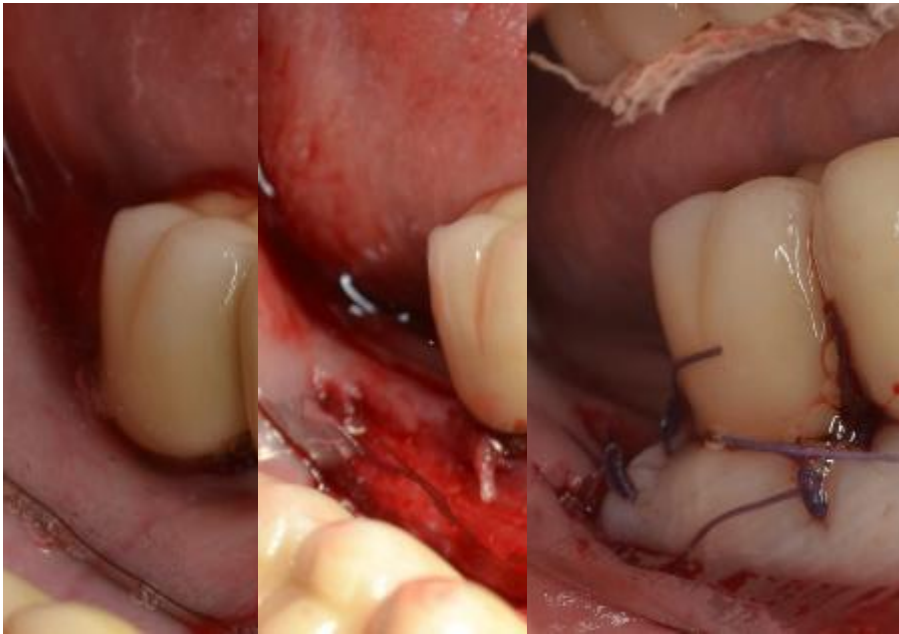
- pre-implant placement
- post-implant placement
- post-insertion of the final restoration

Techniques and manners

- Free Gingival Autografts
- Free Connective Tissue Autografts
- Apically Displaced Flap
- Pedicle Autograft
- Subepithelial Connective Tissue Graft

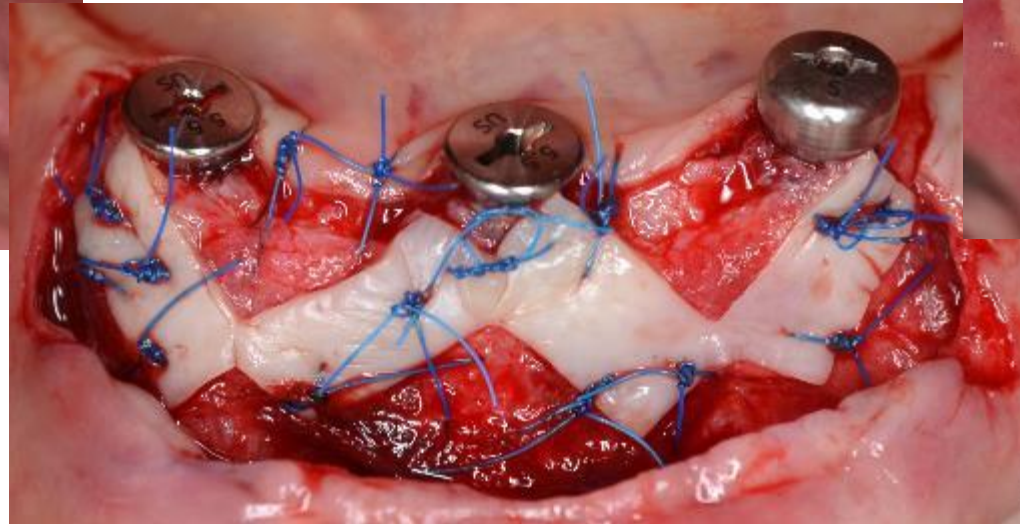
Techniques and manners

- Free Gingival Autografts



Techniques and manners

- Free Gingival Autografts



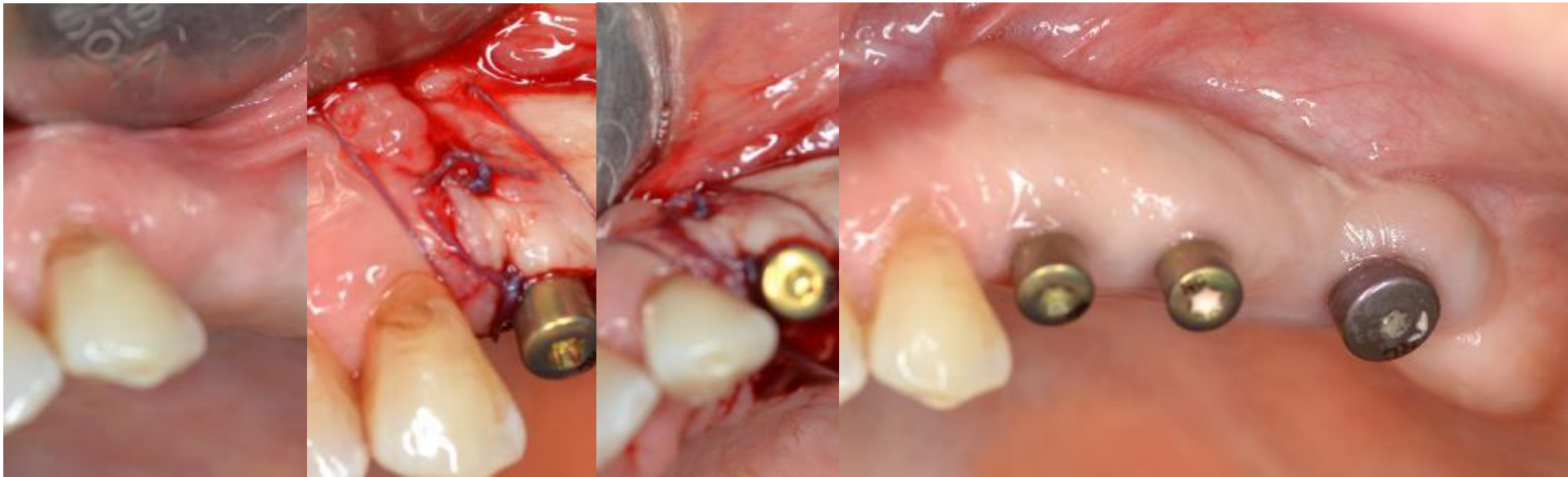
Techniques and manners

- Free Connective Tissue Autografts



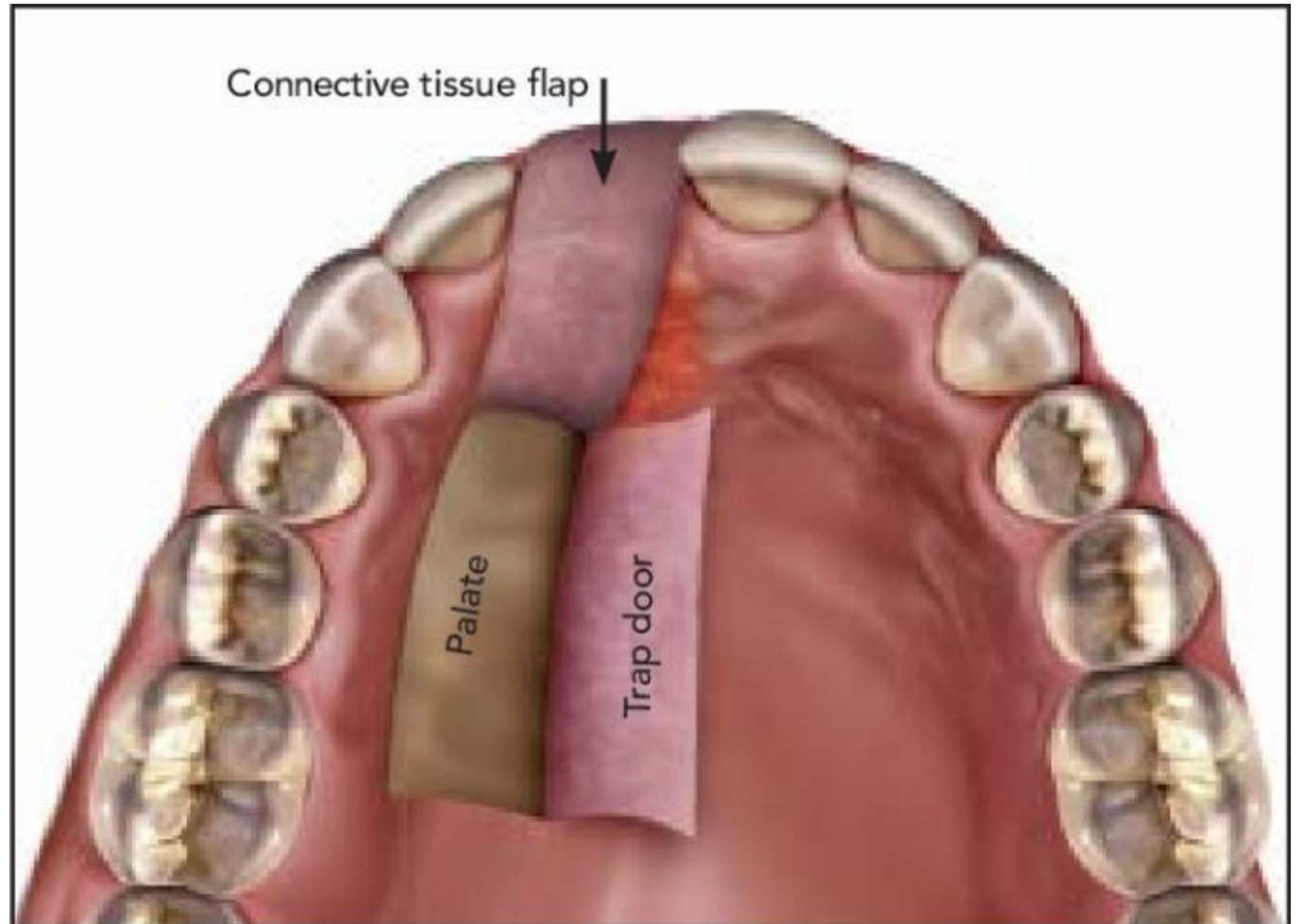
Techniques and manners

- Apically Displaced Flap



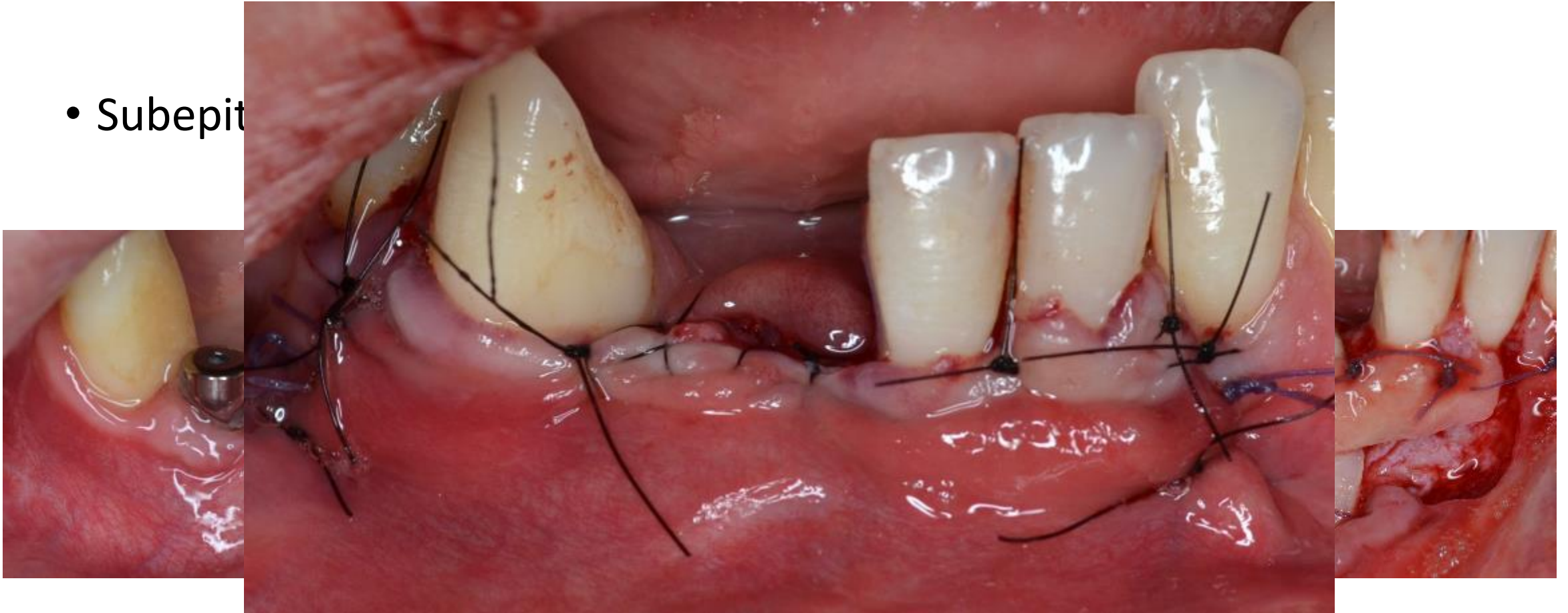
Techniques and manners

- Pedicle Autograft






Techniques and manners

- Subepit



Soft tissue management at implants: Summary and consensus statements of group 2. The 6th EAO Consensus Conference 2021

Daniel S. Thoma¹  | Jan Cosyn^{2,3}  | Stefan Fickl^{4,5} | Simon S. Jensen^{6,7} |
Ronald E. Jung¹  | Gerry M. Raghoobar⁸  | Isabella Rocchietta⁹ | Mario Rocuzzo^{10,11} |
Mariano Sanz¹² | Ignacio Sanz-Sánchez¹³ | Pavel Scarlat¹⁴ | Søren Schou¹⁵ |
Martina Stefanini¹⁶ | Malin Strasing¹⁷ | Kristina Bertl^{18,19} 

- soft tissue augmentation results in less recession of the mid-buccal mucosa and a thicker mid-buccal mucosa in immediate implant placement compared to no augmentation.
- Soft tissue augmentation in conjunction with delayed implant placement results in less recession of the mid-buccal mucosa and **no** significant increase in thickness of the mid-buccal mucosa compared to no augmentation.
- there is no significant difference between autologous grafts and soft tissue substitutes. However, a consistent tendency of less recession and thicker mid-buccal mucosa was shown for autologous grafts in areas of aesthetic priority.

- There is insufficient evidence for a preferable time-point for soft tissue augmentation.
- The scientific evidence does not consistently demonstrate a benefit of soft tissue augmentation procedures in terms of marginal bone level changes compared to no soft tissue augmentation.
- Procedures to increase the zone of keratinized mucosa may improve clinical parameters (gingival index, mucosal recession) and plaque control compared to no soft tissue augmentation.
- Interventions to augment soft tissue volume may improve aesthetic outcomes compared to no soft tissue augmentation.

- Concomitant soft and hard tissue augmentation procedures do not significantly improve marginal bone level changes compared to hard tissue augmentation alone.
- Concomitant soft and hard tissue augmentation procedures significantly reduce marginal soft tissue recession compared to hard tissue augmentation alone.

good Luck

