

Surgical Therapy

- To provide access for removal of etiologic factors
- Reduce deep probing depths
- Regenerate or reconstruct lost periodontal tissues

Surgical Therapy

- **Increases the efficiency of root debridement**
 - Deep probing depths
 - Furcation involvements
- **Addition of osseous recontouring will increase pocket depth reduction through gingival recession**

Osseous Surgery

Surgical Therapy

Regenerative Surgery

- **Optimal goal to restore lost tissue**

Hygiene criteria

- Deep lesions
- Vertical type defects
- Narrow vs wide defects
- Confined to one surface

Regenerative Surgery

- Calcium sulfate
- Autogenous bone
 - Iliac crest
 - Intra-oral
 - Ossous coagulum
- Allograft bone
 - Mineralized
 - Demineralized

Surgical Therapy

Regenerative Surgery

- **Allograft bone**
 - Mineralized
 - Demineralized
 - Cortical
 - Cancellous
- **Bovine bone**
- **Pepgen**
 - Pepgen 15
- **Silica**
 - Perioglas
 - Bioglass

Regenerative Surgery

- **Membranes**
 - Sclera
 - Millipore filters
 - Rubber dam
 - Goretex
 - Resorbable barriers
 - Alloderm

Regenerative Surgery

– Resorbable barriers

- **Biomend**
- **Biogide**
- **Oss six**
- **Calcium sulfate**
- **etc**

Regenerative Surgery

– Growth factors

- Emdogain
- Platelet derived growth factors
- Platelet rich plasma
- Recombinant growth factors

TREATMENT OPTIONS

Class 1 Furcations

- Surgical Treatment
 - Odontoplasty
 - Osteoplasty

TREATMENT OPTIONS

Class 2 furcations

- Surgery
 - Odontoplasty
 - Osteoplasty
 - Apical repositioning
 - Guided tissue regeneration
 - Root resection

TREATMENT OPTIONS

Class 3 furcations

- Surgery
 - Root resection
 - Hemisection
 - Tunneling
 - Extraction

