

Regenerative Endodontics

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1. Tissue engineering
 - a. Cells, scaffold, growth factors
 - b. Examples
2. Revascularization vs Regenerative Endo
 - a. Nygaard-Ostby: the blood clot and wound healing
 - b. Tissue Engineering
3. Foundation knowledge for regenerative endodontics
 - a. Trauma studies
 - b. Tissue engineering studies
 - c. Restorative Materials
4. Case Reports of regenerative methods
 - a. Examples
 - b. Common features
 - c. Considerations for a clinical protocol
 - i. Indications, contraindications, informed consent
 - ii. 1st appointment
 - iii. 2nd appointment
 - d. Step by step example
5. Regenerative endodontics – survey of the field
 - a. Stem cells (adult mesenchymal stem/progenitor cells)
 - b. Scaffolds
 - c. Growth Factors
 - i. Steroids
 - ii. Vitamin D3
 - iii. Statins
 - iv. Demineralized dentin
6. Towards regenerative endodontic procedures in fully formed permanent teeth