

AUTOTRANSPLANTATION

RRR

Replant Restore Reintegrate

REPLANT | RESTORE | REINTEGRATE

THE ART OF AUTOTRANSPLANTATION IN MODERN ENDODONTICS : RRR !!!



INDICATIONS-

- Teeth loss due to trauma or decay
- Congenital tooth agenesis

CHECKLIST-

- Radiographic diagnosis
- 3D CBCT
- Anatomic shape
- Root development
- Bone dimensions of recipient socket
- Compatibility of both site of the donor tooth and recipient site

ADVANTAGES-

- Behave identically to natural teeth.
- PDL allows continued formation of bone and soft tissue.
- Enhanced esthetics ,Dentofacial development, Proprioception ,Dental arch integrity .
- Replacement of missing teeth in young patients.

WORK FLOW



CRITERIA	DENTAL IMPLANTS	AUTOTRANS PLANTATION
Indication	Suitable for most patients	Limited to patients with donor teeth.
Before pubertal Growth	Risk of infra occlusion	Erupts with adjacent teeth
Bone Regeneration	Requires graft materials	Promotes natural bone regeneration
Healing & Function	Slower ; delayed function	Rapid healing; immediate function
Esthetics	Artificial appearance possible	Natural appearance maintained

CHALLENGES -

- Atraumatic extraction of donor tooth
- Minimise extra oral time
- Preparation of recipient site



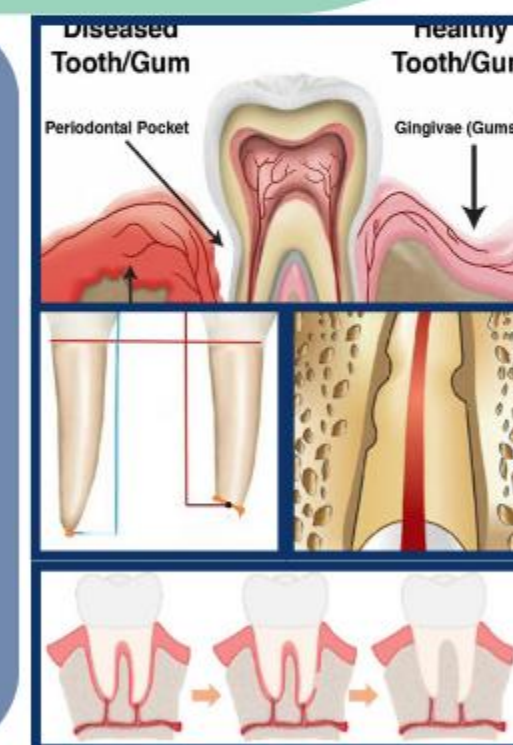
Guided Autotransplantation



Possible sequele of Autotransplantation

Health tooth
i.e properly healed tooth

complications



References:

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