

WOUNDS TO WONDERS: PRF- THE ULTIMATE TOOTH REVIVER !



Pre-op Radiograph
wrt 26



Caries excavation



PRF placed on the
exposed pulp



6 months follow up-
Dentin bridge formation



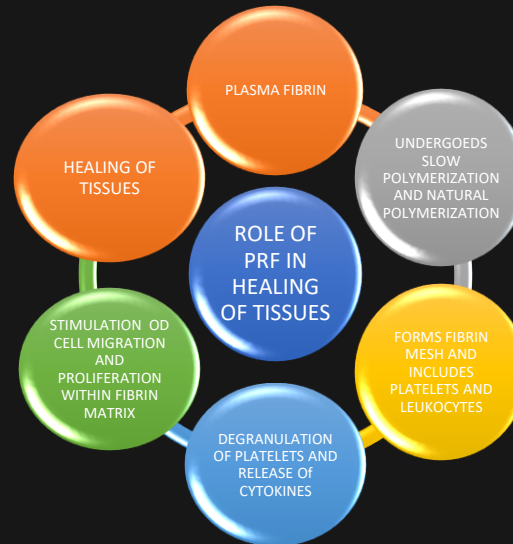
Composite Restoration



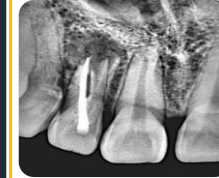
MTA + GIC Base

1

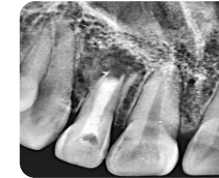
DIRECT PULP CAPPING



CONTINUED ROOT FORMATION



Pre-op Radiograph
wrt 12



GP Removed & Metapex
Placed



Fish collagen
+i-PRF



1 year follow up-
Dentin Bridge
Formation



fish collagen + i-PRF
mix+ MTA+ Permanent
Access Filling

3



Pre- op Radiograph
wrt 21



6 months follow up-
root formation

4

REGENERATIVE ENDODONTICS



Pre-op radiograph
wrt 37



6 months follow up- Dentin
bridge formation

2

CYTOKINES IN PRF

TRANSFORMING
GROWTH FACTOR
-BETA

PLATELET DERIVED
GROWTH FACTOR

VASCULAR
ENDOTHELIAL
GROWTH FACTOR

INSULIN LIKE
GROWTH FACTOR -1

FIBROBLAST
GROWTH FACTOR

EPIDERMAL
GROWTH FACTOR

APPLICATIONS

- Regenerative Endodontics
- Vital pulp therapy
- Soft tissue barrier
- Socket preservation

TYPES

- i-PRF
- L-PRF
- T-PRF
- A-PRF
- A-PRF +
- Ly-PRF

BOONS OF PRF

- Rich in Growth Factors
- 100% autologous
- High concentration –platelets
- Cell migration & angiogenesis
- Longer duration of action

RESEARCH HIGHLIGHTS

- Evaluation of PRF with Biodentine in Direct Pulp Therapy of Permanent Teeth – An In Vivo Study
- Analysis of Chemical Properties of MTA and Biodentine Impregnated with i- PRF - An In-vitro Study
- Development and Characterization of a Novel Drug Delivery System to Enhance Regeneration in Endodontics (Ly-PRF with M-TAP)
- Formulation and Characterization of a Novel Pulp Capping Agent (Ly-PRF with Diclofenac Sodium and Nano calcium)