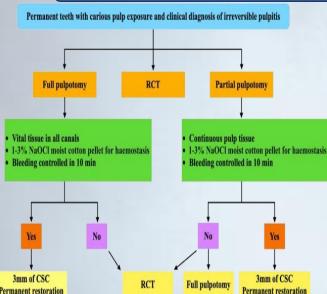






NAVIGATING THE ROAD BLOCKS: CHALLENGES IN VITAL PULP THERAPY



•Understand the underlying principles of VPT.

OBJECTIVES

- •Identify the key challenges encountered in clinical practice.
- •Explore future directions to overcome these challenges.

The American Association of Endodontists (AAE) defines vital pulp therapy (VPT) as, "treatment aimed at preserving and maintaining pulp tissue that has been compromised by trauma, caries, or restorative procedures in a healthy state."

CHALLENGES

Diagnosis and Case Selection

Accurate Intra operative Diagnosis, Patient factors, Predictable healing & Remaining tooth structure.

Matarials and Tachnique Limitations

Biocompatibility, bonding, Long term seal & Aesthetic concerns.

Inflammation and Microbial Control

Inflammation of the pulp can lead to failure of VPT. Materials like MTA are known to promote healing, managing inflammation effectively.

Age and Tooth Maturity

Immature teeth and cases of Chronic Pulpitis.

Materials and Technique Limitations Patient Compliance

Success in VPT often depends on adequate follow-up to monitor healing.

Operator Skill

The success of VPT is highly dependent on the operator's clinical skills.

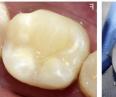
80 30 Am

PHILLIP PFFAF



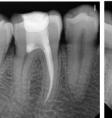




























FUTURE DIRECTIONS AND INNOVATIONS

- Stem Cell Therapy
- Personalized Medicine
- Minimal Invasive Techniques
- Advancements in Diagnostic Tools
- Molecular and genetic approaches



- 1.Olsson H, et al. (2020). "Materials for Direct Pulp Capping: A Review of Literature." Journal of Endodontics.
- 2.Camilleri J. (2015). "Mineral Trioxide Aggregate: A Review of the Materials and Clinical Applications." IEJ.
- 3.American Association of Endodontists. AAE Position Statement on Vital Pulp Therapy. 2021.