

# Outcome of Bone Window Approach in Endodontic Microsurgery Using Novel Piezoelectric Device

NCT06587048

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Postgraduate Institute of Dental Sciences Rohtak
Enrollment	40 participants

## Key Eligibility Criteria

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### Inclusion (4)

- Consenting adults (age range: 18-60 years)
- Non-contributory medical history (ASA Class I or Class 2)
- Participants with symptomatic/persistent apical periodontitis showing clinical signs and symptoms and evidence of periapical lesion of strictly endodontic origin with minimum lesion diameter of 5mm on periapical radiography (PR).
- Radiographic evidence of an intact buccal cortical plate on cone-beam computed tomographic (CBCT) imaging with minimum thickness of 1mm.

### Exclusion (5)

- Patients with systemic diseases (diabetes mellitus, uncontrolled hypertension, hepatic/renal disease, or systemic bleeding disorders), pregnancy, smoking
- Patients on anticoagulant/ antiplatelet drugs
- Teeth that were unrestorable, fractured/perforated teeth,
- Teeth with endodontic-periodontal communication and
- Teeth with deep pockets (probing depth  $\geq$ 4 mm)

## Locations (1 total)

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Post Graduate Institute of Dental Sciences, Rohtak, Haryana, India