

INCREASING POTENTIAL OF IANB: AN IN VIVO STUDY

Aim: To evaluate the efficacy of pulpal anesthesia in management of pain.

Methodology: Patients with symptomatic irreversible pulpitis were allotted into three groups

Group 1

Conventional IANB
(Control Group)

Group 2

Oral Premedication With
Ketoprofen + IANB

Group 3

Transdermal Patch of
Ketoprofen + IANB

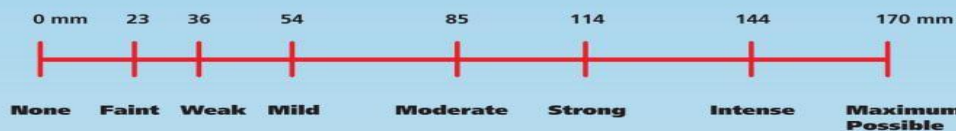
Sample
Size

30 Participants (10
each group)

Diagnostic
Scale

Heft Parker Visual
Analogue Scale (HP-
VAS)

HP-VAS



Results

During access
opening

Group 3 >>> Group 2 and Group 1

During Pulp
Extirpation

Group 3 and Group 2 >>> Group 1

Inferior Alveolar Nerve Block



Tablet Ketoprofen



Transdermal Patch Of Ketoprofen



Pulp Extirpation

Discussion:

1. Experimental groups- balanced and regular.
2. Age between 18-65 years.
3. Mandibular 1st molar with SIP.
4. Results based on emotional status of individual.
5. Transdermal ketoprofen patch overcome limitations of oral ketoprofen.

Conclusion: IANB alone does not provide painless endodontic treatment in symptomatic irreversible pulpitis patients. Hence, adjunct therapy of transdermal ketoprofen patch or oral premedication with ketoprofen, significantly increases anesthetic efficacy of IANB.