



## **The Efficacy and Clinical Application of Mefenamic Acid in Odontogenic Pain Management: A Comprehensive Review**

*Hidayatallah Z;Ricos Biology Journal; 2025; Vol. 3 (4) 1-16.*

- This systematic review evaluates the effectiveness, safety, and mechanisms of action of mefenamic acid in managing odontogenic pain arising from inflammation of dental and periodontal tissues, including primary, post-extraction and pulpitis.
- The study aimed to examine the analgesic effect, adverse effects, and other clinical uses of mefenamic acid compared with other NSAIDs used in dentistry as Mefenamic acid is widely prescribed for its efficacy in managing diverse dental pain conditions.
- The analgesic effects of mefenamic acid is due to its suppression of the cyclooxygenase (COX) enzymes. Also, it inhibits the production of pro-inflammatory cytokines, such as IL-6 and TNF- $\alpha$  enhancing its anti-inflammatory action.
- The effectiveness of mefenamic acid in controlling odontogenic pain has been demonstrated across multiple studies suggesting mefenamic acid may offer better tolerability of gastrointestinal.

**Mefenamic acid is widely prescribed due to its efficacy in managing various dental pain condition & is a valuable option for managing odontogenic pain.**

