

MEDLINE Abstract

Intranasal midazolam as an alternative to general anaesthesia in the management of children with oral and maxillofacial trauma.

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The study assessed the dosage, clinical sedative effect, and safety of intranasal midazolam in 32 children. Data were complete for 29 patients (21 with lacerations and 8 cases of dental trauma). Sedation was adequate to ensure successful completion of treatment under local with or without topical anaesthetic in 22 of the 29 cases (76%). They became sedated at a mean (SD) of 14 (5) minutes, with completion of treatment at 20 (13) minutes. Sedation was achieved with a mean (SD) of 5 (2)mg of midazolam. There were no signs of respiratory depression or of oxygen desaturation below 94% on pulse oximetry. No supplemental oxygen was required and there were no other complications. We conclude that intranasal midazolam is a safe and effective alternative to general anaesthesia in the definitive treatment of children with oral and maxillofacial injuries.

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