

## Brief clinical history:

Our patient was an 18-year-old girl who was referred from the maxillofacial clinic with a jaw dislocation. She had her jaw dislocated while undergoing an oral exam in the clinic. She had a history of recurrent Jaw dislocations, and no other relevant past medical history. The Patient was then transferred to the resuscitation room in the emergency department for relocation of her jaw. Informed consent was obtained and Methoxyflurane administered via a surgical mask, as shown in the picture below

## Device background

Methoxyflurane, commonly available as, Pentrox®. The device comes with 3ml of Methoxyflurane with concentration of 99.9%. In order to achieve the analgesic effect of the drug, the manufacturer advice the mouthpiece to be inserted into the patient's mouth, and the patient is required to make a tight seal around the mouthpiece. In our particular case, obviously the above method was not possible, due to the patients' jaw being dislocated. We used the method showed in the picture above to administer the drug.

## Why this image is clinically or educationally relevant?

We attached device with surgical mask, via a mouthpiece and the patient took deep breaths to facilitate administration of the drug, for about 5 minutes. The patient's jaw was successfully relocated and she reported good analgesic effect during the procedure. We have not come across any similar methods of administration of the drug in the literature.

