

### Clinical efficacy of high-flow nasal oxygen in patients undergoing ERCP under sedation

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**Abstract:**

**Background:** Hypoxemia can occur during endoscopic retrograde cholangiography (ERCP) and is probably induced by analgesia and sedation. Moreover, it is difficult to achieve adequate ventilation with a patient in the prone position. To overcome the procedure related hypoxemia, high-flow nasal oxygen (HFNO) has been recommended to be more effectively help ventilation than conventional low flow oxygen. The aim of this retrospective study was to evaluate the effect of HFNO on desaturation events during ERCP sedation and to identify predictors of desaturation during ERCP. A total of 262 patients received high-flow nasal oxygen during ERCP under sedation. The variables investigated were as follows: age, gender, American Society of Anesthesiologists (ASA) classes, duration of exam, and sedative used for midazolam or/and propofol.



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**Publications:**

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2. Genetic Diversity Using Random Amplified Polymorphic DNA (RAPD) Analysis for *Aspergillus niger* isolates
3. Au–Ag–Cu nanoparticles alloys showed antifungal activity against the antibiotics-resistant *Candida albicans*
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