

Taking NOTES: abdominal surgery without general anesthesia

November 3 2009

A recent review in Faculty of 1000 Medicine Reports, a publication in which clinicians highlight advances in medical practice, suggests regional pain relief could be used during abdominal surgery. In this review, Michael Schaefer recommends a new approach that can be performed without the need for general anaesthetics.

Currently, abdominal [surgery](#) is often carried out through laparoscopy, in which surgical tools are manoeuvred through several small incisions in the abdominal wall under general anaesthetics. But in an emerging technique, Natural Orifice Transluminal Endoscopic Surgery (NOTES), the organs are reached through a natural opening in the body, such as the mouth or the vagina.

This type of surgery is not yet a mainstream procedure. "NOTES procedures in patients have been reported worldwide in only about 30 cases", Schaefer emphasizes. Patients may prefer it because of low postoperative pain discomfort and because of a lack of visible scarring. Schaefer points out that NOTES may also be beneficial from an anaesthetic point of view. The small perforations of the gastric or vaginal wall that are needed to accommodate the surgical tools and the low intra-abdominal pressure that is needed for best visibility may only require spinal or epidural anaesthesia.

Combined with a quick recovery time, low [pain](#) levels after surgery and complete absence of visible scars, this may eventually make NOTES the preferred method for abdominal surgeries. "NOTES has the potential to

further improve the advantages of [laparoscopy](#)", writes Schaefer, but advises that "these findings need to be corroborated by further randomized controlled clinical trials."

More information: The full text of the article "Natural orifice transluminal endoscopic surgery (NOTES): implications for anesthesia" is available for subscribers at f1000medicine.com/reports/10.3410/M1-80/

Source: Faculty of 1000: Biology and Medicine

Citation: Taking NOTES: abdominal surgery without general anesthesia (2009, November 3) retrieved 20 April 2024 from <https://medicalxpress.com/news/2009-11-abdominal-surgery-anesthesia.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.