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Name of Journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 53551

Manuscript Type: OPINION REVIEW

Introduction of new techniques and technologies in surgery: Where is transanal total mesorectal excision today?

Caycedo-Marulanda A *et al.* New techniques and technologies in surgery

Antonio Caycedo-Marulanda, Sunil Patel, Shaila Merchant, Carl Brown

Abstract

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Preamble

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These guidelines for the surgical introduction of new technologies and techniques are systematically developed statements designed to assist surgeons when making decisions about the appropriate adoption of modified or new devices and procedures in their practice. The statements included in these guidelines are the product of a systematic review of published literature and expert opinion, and the recommendations are explicitly linked to the supporting evidence. The strengths and weaknesses of...

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Aug 14, 2018 · **Transanal total mesorectal excision** (TaTME) is the latest innovation that aims to overcome these significant limitations in rectal cancer **surgery**. It has its roots in 1984, when Buess et al. [3] described **transanal** endoscopic microsurgery (TEMs) using a fixed rectoscope platform that improved both visibility and extended the extent of the ...

Techniques in Total Mesorectal Excision Surgery

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4336906>

General Concepts for **Total Mesorectal Excision**. In both open procedures and minimally invasive procedures, oncologic principles always apply. This is difficult **surgery** made more complicated by the increasing age, weight, and frailty of the rectal cancer patient.

Cited by: 6

Author: Warren E. Lichliter

Publish Year: 2015

Transanal total mesorectal excision: Towards ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4658624>



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[Transanal total mesorectal excision \(TaTME\): tips and ...](#)

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Abstract: Laparoscopic **total mesorectal excision** (TME) can be technically challenging especially in obese and patients with narrow pelvis. **Transanal** TME (TaTME) is a **technique** that combines abdominal and **transanal** endoscopic approach to overcome limitations and facilitate standard laparoscopic TME.

Cited by: 1

Author: Elisa Cassinotti, Giorgio Palazzini, Massi...

Publish Year: 2017

[Transanal total mesorectal excision: current updates](#)

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Aug 14, 2018 · **Transanal total mesorectal excision** (TaTME) is the latest innovation that aims to overcome these significant limitations in rectal cancer **surgery**. It has its roots in 1984, when Buess et al. [3] described **transanal** endoscopic microsurgery (TEMs) using a fixed rectoscope platform that improved both visibility and extended the extent of the ...

[Training and accreditation in transanal total mesorectal ...](#)

<https://ales.amegroups.com/article/view/5682/html>

Background: The procedure of **transanal total mesorectal excision** (taTME) has been developed by pioneers from America and Europe to address a technical need in the surgical management of rectal cancer. Since the pioneers disseminated the early experience a number of interested surgeons from around the world undertook initial training and expanded its use in a growing number of centres.

[\[PDF\] Evolution of transanal total mesorectal excision according ...](#)

<https://sit.bmj.com/content/bmjst/1/1/e000004.full.pdf>

assessment of a **new** surgical **technique** or intervention, by describing five stages for evaluating and reporting of innovations: Idea, Development, Exploration, Assessment and Long term. **Transanal total mesorectal excision** (TaTME) is a relatively **new technique** in rectal cancer **surgery** that has attracted huge interest and increasing adoption ...