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Special surgical approaches during peri-COVID-19 pandemic: Robotic and transanal minimally invasive surgery (total mesorectal excision/transanal minimally invasive surgery/transanal mesorectal excision)

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The theoretical danger of virus transmission **during** laparoscopic **surgery** (LS) via **surgical** smoke and laparoscopy gas has led to the formulation of many guidelines **during** the COVID-19 **pandemic**.

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Aug 11, 2020 · There is no evidence to suggest a concurrent higher viral load in the pneumoperitoneum **during** laparoscopic **surgery**. For colorectal **surgery** specifically, **transanal** procedures may have to be approached with caution, especially in **transanal minimally invasive surgery** and **transanal total mesorectal excision** procedures.

Cited by: 2

Author: Michael El Boghdady, Michael El Boghda...

[Adaptations and Safety Modifications to Perform Safe ...](#)

<https://pubmed.ncbi.nlm.nih.gov/33026956>

It is inevitable that some patients with suspected or confirmed COVID-19 may require urgent **surgical** procedures. The objective of this review was to discuss the modifications required in the operating room **during** COVID-19 times for minimal access, laparoscopy, and **robotic surgery**, especially with regard to **minimally invasive surgical** instruments, buffalo filter, trocars with smoke evacuator ...

Cited by: 2

Author: S P Somashekhar, Rudra Acharya, S Manjiri...

Publish Year: 2020

[Minimally Invasive Surgery and Surgical Smoke, Decoding ...](#)

<https://pubmed.ncbi.nlm.nih.gov/32974419>

The objective of this review is to discuss the modifications required in the operating theatre **during** COVID-19 times for minimal access, laparoscopy and **robotic surgery**, especially with regard to the handling of **surgical** smoke, **minimally invasive surgical** instruments, trocars with smoke evacuator and **special** personal protection equipment.

Cited by: 1

Author: S. P. Somashekhar, Mohammed Basheerud...

Publish Year: 2020

[Robotic urological surgery during COVID-19 pandemic ...](#)

<https://medicaldialogues.in/urology/news/robotic...> ▼

Oct 07, 2020 · Screening, Prevention, and Perioperative Steps for **Robotic Surgery During** COVID. **Robotic surgery** now accounts for most **minimally invasive surgical** procedures performed by urologists and urologic oncologists, and will be an important priority as ...

Author: Hina Zahid

[Robotic surgery in the COVID-19 era: Urologists take on ...](#)

<https://www.wolterskluwer.com/en/news/robotic-surgery-in-the-covid-19-era> ▼

Robotic surgery plays a major role in modern management of prostate cancer, bladder cancer, and other conditions treated by urologists. But it also poses some **special** challenges as hospitals resume elective **surgery** amid the COVID-19 **pandemic**.

[Robotic surgery poses challenges as hospital resume ...](#)

<https://www.news-medical.net/news/20201007/Robotic...> ▼

Oct 07, 2020 · **Robotic surgery** now accounts for most **minimally invasive surgical** procedures performed by urologists and urologic oncologists, and will be an important priority as ...