The use of virtual support for remote surgical training and proctoring is valuable during the COVID-19 pandemic

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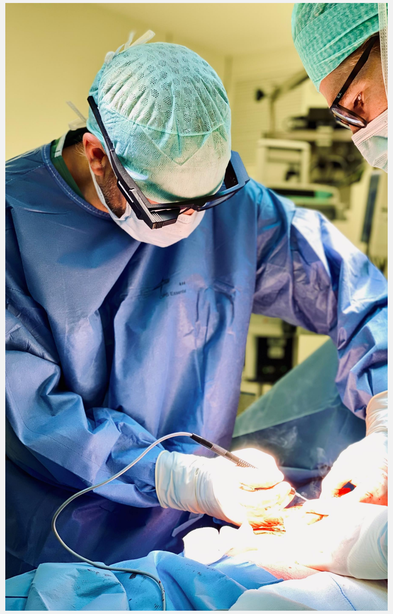
With the ongoing COVID-19 pandemic it becomes more and more clear that a traditional way of teaching, coaching and proctoring might be subject to change because of restrictions in physical gatherings and containment measures.

Smartglasses (Rods & Cones) were provided for evaluation and testing by Ethicon (Johnson & Johnson Medical Devices Companies).

- ✓HD camera with optical zoom (720px5)
- ✓Speaker and earphone jack
- ✓LED light
- ✓External screen in operators view

- ✓Wifi or 4G/5G connection
- ✓ Network and data security





Remote training and proctoring with virtual support might have a future place in surgical education and training, especially when physical meetings are restricted.

The smartglasses were worn alternately by the attending surgeon and the surgical fellows. Permanent interaction and case discussion could occur during the operation via teleconferencing. Smartglasses were used to either guide the operating fellow remotely or to teach medical students, surgical residents and scrub nurses via a monitor.

6 cases of open resection for malignancy

- 3 right hemicolectomies
- 2 left-sided segmental colectomies
- 1 open debulking + HIPEC

- **Successful audiovisual communication**
- **Detailed discussion of operative steps**

- Difficulties with optical zoom
- Overexposure by operating light
- Discomfort of earpieces

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