



AB006. OP-6 Optimal image providing in metabolic surgery

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Background: Evaluating the most suitable methods to clean the contaminated optics during laparoscopic procedures.

Methods: In this study, we investigated the most appropriate method to clean the laparoscopic imaging optics used in metabolic surgery. For this purpose, 3 different methods were evaluated. These methods include heating the lens with hot saline, cleaning with dilute povidone iodine and industrial cleaning materials.

Results: According to our results, the most appropriate method for optic cleaning and image clarity was the cleaning of optics with heated saline.

Conclusions: All laparoscopic operations are performed on the basis of imaging and quality imaging is extremely important in these operations. During the surgery, factors such as bleeding, intra-abdominal contact and temperature change may cause deterioration of the image quality. Improper image may prolong the surgical time, contribute to the formation of some undesirable complications and increase the workload of the surgical team. Cleaning materials developed for industrial purposes increase the cost. Our method is easy to prepare, easily available and can be preferred because it is extremely inexpensive.

Keywords: Laparoscopy; imaging; complication

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Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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