



AB005. 140. Instructional video: 30-degree laparoscope

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Background: The use of laparoscopy for minimally invasive surgery is widely established. There are several angled lens laparoscopes available that increase the range of operative views. Proficient use of an angled lens laparoscope requires experience and training, however difficulty can arise with communication and direction between surgeon and assistant.

Methods: We have developed an instructional video on

the use of a 30-degree camera which can be applied to all angled lens laparoscopes. The principles are demonstrated with the aid of a laparoscopic box and live intra-operative recordings. The training system proposed is based on a clock face representing the position of the light source. A zero-degree camera is used for comparison.

Results: Using external images of the operator and laparoscope alongside the camera images we are able to explain the correlation between laparoscopic movements and the associated camera image.

Conclusions: This instructional video is openly available for surgical training. The clock face training can be used to improve instruction and communication intraoperatively.

Keywords: Minimally invasive surgery (MIS); laparoscopy; video

doi: 10.21037/map.2019.AB005

Cite this abstract as: Murphy EJ, Khan MF, Devane LA, Meshkat B, Cahill RA. Instructional video: 30-degree laparoscope. *Mesentery Peritoneum* 2019;3:AB005.