

## Gasless Laparoscopy using Chulalongkorn Rectus Sheath Lifting Device (Chula Lift): the First Experience

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**Objective :** To report the first series of gasless laparoscopy using Chulalongkorn Rectus Sheath Lifting Device (Chula Lift).

**Methods :** Four cases of left ovarian cyst and myoma uteri were presented using Chula Lift which composes of a hooking device. It was placed onto the rectus sheath and suspended against an adjustable arch curve that is fixed along the side the operative table. By using a single hook, the operative field was quite roomy enough for the operation, cystectomy and myomectomy, which had been done smoothly without any consequence. Double hooks, one at the umbilicus and the other at suprapubic port, were applied at the end of the operation in order to test the operative space.

**Results :** The patients' age were 38, 38, 32, and 44 years old. The operative time were 180, 120, 45 and 60 min. No complication was found in this series.

**Conclusions :** Chula Lift can be used as an abdominal lifting devices with better operative space than the conventional lifting device. It was shown that the pelvic operative space was widened comparable to carbon dioxide gas laparoscopy. Disturbing in the operative field by bowel was still the main problem with this device, which does not differ from the other types of abdominal lifting devices.