

# A Useful Device for Laparoscopic Surgery

Published date: May 1, 2018

## Technology description

### Summary

This device is applicable for Laparoscopic surgery. With the safeness and effectiveness, it would contribute to the expansion of opportunity using Laparoscopy for liver surgery.

The use of Laparoscopy in liver surgery has been wide-spreading because of its advantages including less-invasiveness. However, some drawbacks have been pointed out. The limited range of motion at the surgical site is one of the disadvantages. It has a risk of hemorrhaging and seasoned skills for proper operations are needed.

### Project status

The inventor of this device is a surgeon specialized in liver and figured out simple and the most efficient kit for laparoscopic surgery to solve the problem. A Japanese company of medical device expertise developed and embodied it as a kit for the clinical use in Japan with the approval of Pharmaceuticals and Medical Devices Agency.

Images of the device: comprised of tape for flat ligature, wire and tube.

### Feature:

- ligate both hepatic artery and hepatic portal vein by this device
- easy to adjust/ligation and perfusion, reduce the risk of hemorrhaging
- expand applicable range of operation
- already used in Liver operations in Japan
- approved by Pharmaceuticals and Medical Devices Agency(PMDA)

### Institution

[Tech Manage Corp](#)

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