

SINGLE INCISION TRANSUMBILICAL LAPAROSCOPIC BARIATRIC SURGERY (SIT-LBS)

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Background

Single-incision laparoscopic surgery (SILS) has been adopted to perform appendectomy, cholecystectomy and some bariatric surgeries. It is thought an alternative technology to natural orifice transluminal endoscopic surgery (NOTES). And if performed via umbilical incision, it would make the abdominal wound invisible, scar-less.

Aim

We developed the technique of single incision transumbilical laparoscopic bariatric surgery (SIT-LBS). We developed a novel method for liver suspension without necessity of liver retractor.

Method

Since November 2008, we started to perform SIT-LBS in our hospital. The type of surgeries included one adjustable band, three sleeve gastrectomy and one Roux-en-Y gastric bypass.

Results

Totally five cases received SIT-LBS. There were no intra-operative complications. And all the patients did well and were discharged in 2 days postoperatively. These patients are all very satisfied with the results of umbilical wound. Here we would like to present the technique of SIT-LBS and liver suspension with video presentation.

Conclusion

We believe that SIT-LBS is a safe, technically feasible, and reproducible procedure. With the rapid development of flexible articulating instruments and endoscopes, this approach will become bariatric surgeons' preference in the near future.