

Enhanced Postoperative Recovery

Gastrointestinal surgery (uncomplicated) results in hospital stays of 2-10 days

Cost of hospital stay: ~£500 per day

Obstacles to recovery:

- i. postoperative ileus – delayed recovery of normal bowel function
- ii. pain
- iii. impaired nutrition
- iv. immobility
- v. complications (chest infection, wound infection)
- vi. lack of social care.



LAPCO: Dept of Health initiative to increase adoption of minimally invasive surgery

Minimally invasive surgical techniques reduce trauma and facilitate quicker recovery with fewer complications

Problem: Ageing population presents a real challenge



Unmet Clinical Needs:

- i. better devices for minimally invasive surgery
- ii. improved postoperative pain control
- iii. therapies and interventions to reduced postoperative ileus
- iv. improved postoperative and rehabilitation monitoring (telehealth) for detection of complications
- v. personal assist devices for rehabilitation

