Impacting outcomes in colorectal surgery

Demonstrated in clinical studies


- Independent clinical study
- Retrospective analysis of a prospective database, double cohort study
- 1 institution in Spain

179 patients post-propensity score matching

- 60 patients treated with ECHELON CIRCULAR Powered Stapler
- 119 patients treated with manual circular stapler

Anastomosis level and preoperative characteristics:

- 51% middle rectum
- 50% upper rectum
- 70% colorectal cancer

Anastomotic leak rate

- 1.7% with manual circular stapler (MCS)
- 1.8% with ECHELON CIRCULAR Powered Stapler (ECP)

11.8% anastomotic leak rate

MCS = 14/119
ECP = 1/60
p = 0.022

85% REDUCTION


- Ethicon-sponsored study
- Prospective, single cohort study
- Multi-site, multi-country
- 12 institutions across Belgium, Germany, Spain, UK and US

168 patients treated with ECHELON CIRCULAR Powered Stapler

- >50% smoking
- >40% with hypertension
- >35% with BMI ≥ 30
- >60% with rectal anastomoses
- >40% colorectal cancer
- >30% diverticulitis