Medtronic provides the following synopsis of a clinical publication involving ProGrip™ laparoscopic self-gripping mesh for laparoscopic inguinal (TAPP) hernia repair.

**TITLE**
“Reduction of chronic post-herniotomy pain and recurrence rate. Use of the anatomical self-gripping ProGrip™ laparoscopic mesh in TAPP hernia repair. Preliminary results of a prospective study

**FIRST AUTHOR**
Pavol Klobusicky (Digestive and Minimal Access Surgery, Helios St. Elisabeth Hospital, Bad Kissingen, Germany) Independent Study

**CITATION**

**INTRODUCTION**
This prospective study was designed to assess safety and efficacy, including pain (assessed on a visual analogue pain scale), complications and recurrence rate, within 12 months following laparoscopic transabdominal preperitoneal hernia repair with ProGrip™ laparoscopic self-fixating mesh. All patients who underwent inguinal hernia surgery at the Surgical Department in Bad Kissingen, Bavaria, Germany between May 1, 2013 to December 31, 2014 were included (95 patients were enrolled with a total of 156 inguinal hernias repaired). Exclusion criteria was scrotal/large hernia with defect > 4 cm.

**METHODS**
Laparoscopic Total Extraperitoneal (TAPP) Hernia Repair with ProGrip™ laparoscopic self-gripping mesh.

**RESULTS**
- Patient population: n=95 patients accounting for a total of 156 hernias, including 61 bilateral hernias and 32 recurrent hernias.
- Authors reported 1 case of minor bleeding (abdominal wall) and there was only 1 case of severe trocar side bleeding.
- No recurrence was reported within the mean follow-up time of 15.5 months (as recurrence was evaluated, ultrasound and magnetic resonance imaging (MRI) demonstrated recurrent hernia).

Patient reported pain:
- At 3 months, 1 patient (1.05%) reported post-operative groin pain of moderate degree (4–6 VAS)
- At 1-year, mild discomfort (1–3 VAS) was reported in the groin in 2/57 (3.51%) patients; it had no effect on any patient’s usual activity and did not require any therapy
CONCLUSIONS
The study demonstrates that laparoscopic inguinal hernia repair using the TAPP technique with implantation of a new ProGrip™ laparoscopic self-fixating mesh is a fast, effective, reliable and economically advantageous method in experienced hands, which combines the advantages of laparoscopic approach with simple and practical implantation of the self-fixating mesh, which according to the results reduces the occurrence of CPIP and the recurrence rate.

**THIS CONCLUDES THE CLINICAL SYNOPSIS OF THIS PUBLICATION**