**Products**

- Exacto® cold snare

**Procedural Area**

- Polypectomy

**Article**

Safety of cold snare polypectomy for duodenal adenomas in familial adenomatous polyposis: a prospective exploratory study

**Publication**

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**URL**


**Author**


**Purpose**

To examine the safety of removing multiple duodenal polyps in patients with familial adenomatous polyposis (FAP) using cold snare polypectomy (CSP).

**Key Points**

**Study Background**

- 90% of patients with FAP present with duodenal polyps. Duodenal adenomas can develop into cancer and can lead to patient death even after preventative duodenectomy. Duodenectomy can be effective, but it is a complicated procedure and patients still have the risk of developing desmoid tumors.
- There is a need for less invasive measures to treat patients with FAP.
- This study evaluated the safety of CSP for duodenal polyps in patients with FAP.

**Methods**

- 10 patients with FAP underwent CSP to remove 332 duodenal polyps in this single center study. Polyp sizes ranged from 1 to 30mm.
- The Exacto® cold snare was utilized in all patients with a single use of the 10mm Captivator II (Boston Scientific).
- **Technique**
  - Remove as many polyps as possible in a 60-minute time span (up to 50), or when no polyps remained. This ranged from 10 to 50 polyps.
  - Polyp size was estimated based on snare size.
  - No submucosal lift was used.
  - A transparent distal attachment cap was used in all cases.
  - Visual inspection was completed after CSP to identify any intraprocedural bleeds while oozing was monitored. Piecemeal was performed on polyps >9mm and if residual tissue was found.

**Results: Safety**

- There were no severe adverse events in this study.
  - 1 patient experienced mild abdominal pain where a 30mm polyp was removed.
  - 1 patient developed mild bloating.
  - 1 patient had intraprocedural bleeding treated with hemoclips.
  - Postpolypectomy bleeding and perforation is reported 0%–33%\(^1\) and 0.6%–3%\(^2\) in patients after duodenal lesions are removed using cautery supporting CSP may be safer than traditional hot polypectomy.

**Conclusion**

This study added support that CSP is safe for removal of duodenal adenomas in patients with FAP.

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