

Cold versus hot snare polypectomy in post polypectomy bleeding in small colonic polyps

Submission date 26/12/2010	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 06/05/2011	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 06/05/2011	Condition category Digestive System	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
N/A

Study information

Scientific Title
A prospective, randomised comparison of cold versus hot snare polypectomy in the occurrence of post polypectomy bleeding in small colonic polyps

Study objectives

The aim of our study is to compare cold snare polypectomy (CSP) with hot snare polypectomy (HSP) in the occurrence of postpolypectomy bleeding in small colonic polyps with size 3 - 8 mm.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Benizelion General Hospital Ethics Committee approved on the 17th December 2010 (ref: 16903)

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Colonic polyps

Interventions

Colonoscopic polypectomy

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

1. Post polypectomy bleeding
2. All patients were contacted by telephone 12 hours, 2 days and 1 month after procedure and were asked about pain, abdominal tenderness, fever and bleeding
3. In the HSP group, small polyps were removed as a single piece with a standard electrosurgical snare (Sensation Polypectomy Snare 13mm, Microvasive, Boston Scientific, Natick, MA) and monopolar coagulation current, using a 120W OLYMPUS HF-120 generator with a setting of 72W in endocut function
4. In the CSP group, the polyp was removed as a single piece with the same electrosurgical snare. According to expert opinion[3] 1-to 2mm of normal tissue around the small polyp were ensnared in the CSP group. All colonoscopies were performed with wide-angle (170°), high-resolution videocolonoscopes Olympus (CFH180AL, Tokyo, Japan) with a high-definition 1080-line screen - Olympus (OEV191H, Tokyo, Japan) and video processor Olympus (EVIS EXERA II CV-180, Tokyo, Japan).
5. Bowel preparation was accomplished with a 4L electrolyte solution of polyethylene glycol.

Key secondary outcome(s)

All patients were contacted by telephone 12 hours, 2 days and 1 month after procedure and were asked about:

1. Pain

2. Abdominal tenderness
3. Fever
4. Bleeding

Completion date

13/10/2010

Eligibility

Key inclusion criteria

1. All patients founded with small polyps (3 - 8 mm) during colonoscopy
2. Cold snare group (CSP): male/female: 107/101 with age range: 59,4±13,6
3. Hot snare group (HSP): male/female: 125/81 with age range: 61,3±11,0

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Cases with bleeding tendency (taking anticoagulant therapy, platelet count of less than 100,000/mm³, or prothrombin time more than 30% above the control
2. Cases with inadequate colonic preparation
3. Patients undergoing anticoagulant or antiplatelet therapy were instructed to discontinue the use of these types of medication at least 7 days before the endoscopic procedure

Date of first enrolment

19/05/2010

Date of final enrolment

13/10/2010

Locations

Countries of recruitment

Greece

Study participating centre

Benizelion General Hospital
Heraklion, Crete
Greece
71409

Sponsor information

Organisation

Benizelion General Hospital (Greece)

ROR

<https://ror.org/043889z90>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Benizelion General Hospital (Greece)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes