Patients aged ≥ 16 years presenting with suspected acute appendicitis

Assessed for eligibility

Informed consent
Baseline assessment

RANDOMISATION

Feasibility
Potentially eligible patients per month and proportion formally considered for trial entry.

Feasibility
Proportion randomised (and reasons why not).

Exclusion criteria
- Previous open abdominal surgery through midline incision.
- Previous umbilical hernia repair with mesh.
- Patient unable to consent.

Single port laparoscopic surgery

Standard three port laparoscopic surgery

Peri-operative assessment

Clinical: Duration of operation, conversion and complications.

Feasibility: surgeon’s perception of single port approach.

24 hour assessment

Feasibility: proportion who are unaware of their received intervention.

Days 1 to 7

Patient-reported: Pain NRS and use of analgesics.

6 week assessment

Feasibility: proportion of those recruited with complete dataset at six weeks.

Patient-reported: Body Image Questionnaire, Hospital Experience Questionnaire, pain numerical rating scale, use of analgesics, time to return to usual activities, hospital re-admissions, complications.

Resource use: Resource use (using routine data)