B-PROM: DEVELOPMENT AND VALIDATION OF A NOVEL BARRETT'S OESOPHAGUS PATIENT REPORTED OUTCOME MEASURE

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B-PROM is the first systematically validated Barrett's esophagus-specific patient reported outcome measure, developed through modified Delphi consensus and multicentre testing, covering disease knowledge, symptom burden, cancer worry, and surveillance burden.

KEY POINTS

- B-PROM was developed from an initial 49-item bank refined to 31 items through online modified Delphi process involving patients, patient representatives, and clinicians, followed by cognitive interviews and multicentre validation across four UK hospitals.
- The tool covers five key themes: disease-specific knowledge, trust in clinicians, burden of symptoms, cancer worry, and burden of surveillance.
- Multicentre validation with 387 participants (40.8% response rate) showed 93.3% completed over 95% of the tool, with mean completion time of 5 minutes 34 seconds and all individual items achieving over 95% completion rate.
- Psychometric testing demonstrated strong internal consistency with overall Cronbach Alpha of 0.846, low missingness, satisfactory test-retest reliability (p less than 0.001), and exploratory factor analysis producing five components.
- The authors conclude B-PROM is ready for use in clinical trials and clinical practice as the first Barrett's esophagus-specific PROM to be systematically evaluated.

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