RECOMMENDATIONS FOR PREVENTION AND MANAGEMENT OF LAMS-RELATED COMPLICATIONS: AN INTERNATIONAL DELPHI CONSENSUS STUDY

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An international modified Delphi consensus process involving 19 experts generated evidence-based recommendations on the safe use of lumen-apposing metal stents for multiple indications, achieving 93.3% consensus on 56 of 60 proposed statements.

KEY POINTS

- Adverse events related to LAMS procedures may occur in up to 21.3% of cases, prompting the need for consensus safety recommendations.
- Nineteen of 20 invited international LAMS experts completed a three-round modified Delphi process using 80% consensus threshold and GRADE methodology for evidence grading.
- Consensus was reached on optimal learning path, preprocedural imaging, airway protection, and essential safety measures including use of Doppler and measurement of distance between gastrointestinal lumen and target structure.
- Specific recommendations were developed for six indication categories covering patient selection, preferred LAMS size, antibiotic use, anatomic location, coaxial pigtail placement, and management of LAMS-related adverse events.
- The consensus recommendations aim to provide practical, evidence-based guidance for endoscopists to minimize adverse events related to LAMS procedures.

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