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Summary

KEY INDICATORS FOR GLOBAL GASTRIC CANCER ENDOSCOPIC SCREENING PROGRAMS: A SYSTEMATIC REVIEW AND META-ANALYSIS

Unknown Unknown

UEG Week Vienna 2024 | Poster

Oesophagus

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A meta-analysis of 90 studies shows that gastric cancer screening outcomes in China lag significantly behind Japan and Korea in endoscopic compliance, cancer detection, and early diagnosis rates.

KEY POINTS

- Overall pooled rates across global screening programs were 46.94% for endoscopic compliance, 0.62% for gastric cancer detection, and 61.41% for early-cancer diagnosis.
- Japan and Korea demonstrated significantly higher performance than China across all three indicators, with Japan achieving 78.98% early diagnosis rate versus 51.35% in China.
- Hospital settings showed the highest compliance and detection rates, while community and health checkup settings achieved higher early diagnosis rates.
- Screening programs with 2-3 year intervals, public health campaigns, higher education levels, and higher socioeconomic status were associated with higher endoscopic compliance.
- New endoscopic techniques were associated with higher gastric cancer detection and early diagnosis rates, and continuous monitoring of quality control indicators is recommended to improve screening effectiveness.

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