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Summary

# OCCURRENCE AND RISK FACTORS OF MISSED CARCINOMA IN THE UPPER GASTROINTESTINAL TRACT (PEUGIC) 2013-2023 – RETROSPECTIVE OBSERVATIONAL STUDY

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**A retrospective 11-year study at a Czech non-university hospital found a PEUGIC rate of 8.20% after excluding surveillance-detected cases, below the 10% quality threshold, with no significant risk factors identified.**

## KEY POINTS

- Among 22,727 gastroscopies performed between 2013 and 2023, 122 patients were diagnosed with upper GI cancer, of which 12 (9.84%) met PEUGIC criteria.
- Excluding two patients with early detection during appropriate surveillance (Barrett's esophagus, post-polypectomy), the true PEUGIC rate was 8.20%, below the 10% quality benchmark.
- PEUGIC rates varied by location: 17.14% for esophageal tumors, 6.25% for gastric tumors, and 14.3% for duodenal tumors.
- No statistically significant risk factors for PEUGIC were identified among tumor location, histology, male gender, or family history of upper GI cancer.
- The study emphasizes distinguishing PEUGIC indicating poor endoscopy quality from early detection within appropriate surveillance programs.

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