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The Incidence and Clinicopathological Characteristics of Newly Detected Neoplastic Lesions One year after Complete Colonoscopy: Results from the Japan Polyp Study
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Background
- The identification and endoscopic removal of adenomas and polypoid sessile and flat lesions are important to reduce colorectal cancer incidence.
- However, a systematic review of randomization studies showed that 10% to 30% of colorectal neoplasms were previously overseen.

Aim
- To clarify the incidence and clinicopathological characteristics of newly detected neoplastic lesions one year after colorectal endoscopic examination.

Methods
- Design of the Japan Polyp Study
  - Randomized controlled trial
  - 5200 patients (10403 lesions) were enrolled

Primary polypologic endpoints
- Newly detected neoplastic lesions
  - Adenomas
  - Flat lesions
  - Sessile lesions

Results
- There were 1228 newly detected neoplastic lesions (652 adenomas, 428 flat lesions, and 148 sessile lesions) at 998 patients (26%).
  - Of these, 1052 lesions (42%) were adenomas.
  - Of these, 428 lesions (7%) were flat lesions.
  - Of these, 148 lesions (2%) were sessile lesions.

Conclusions
- The incidence of newly detected colorectal neoplastic lesions one year after complete colonoscopy was 26%.
  - However, the prevalence of lesions decreased by less than 5%.
  - The interval between 1st and 2nd colonoscopies was considered on "missing or rapidly growing".
  - To reduce the interval cancers, early detection of small polypoid lesions and especially right-sided lesions is an important issue that needs to be improved.
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