

EFFICACY OF COMBINED PER-ORAL CHOLANGIOSCOPY-TARGETED BIOPSIES WITH FROZEN SECTIONS IN THE DIAGNOSIS OF PATIENTS WITH BILE DUCT NODULAR TUMORS

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Poster

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A case series of 8 patients with biliary nodular tumors found that per-oral cholangioscopy-targeted biopsies combined with frozen section histopathology provided immediate diagnosis in all cases with biopsy-proved malignancy, with 7 of 8 frozen sections matching surgical pathology.

KEY POINTS

- Eight patients (mean age 65 years, 7 male) with bile duct nodular tumors (average size 1.5 cm, range 0.8-2.0 cm) underwent cholangioscopy-targeted biopsies with frozen section analysis between October 2017 and December 2021.
- Seven of the 8 patients had previously undergone ERC and ductal biopsies without definite diagnosis before the study procedure.
- An average of 3.5 biopsies (range 2-9) were needed per patient to establish malignancy, with frozen section histopathology compatible with surgical pathology in 7 of 8 cases; one frozen section reported adenocarcinoma in situ while surgical pathology showed high grade dysplasia.
- One patient developed severe acute cholangitis as a complication, and one patient with hilar invasion observed during cholangioscopy did not undergo surgery.
- The authors conclude this combined approach provides immediate diagnosis and may facilitate early surgery, though they note more patients are needed for further study.

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