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Histopathological spectrum of gall bladder lesions in a tertiary care hospital in the Malwa belt: A hospital based study

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Introduction: Gall bladder stones are the commonest disorder among gall bladder lesions and are usually asymptomatic. Its frequency in cholecystectomy specimens is not clear. The aim of this study was to report the morphological variants and frequency of different lesions in cholecystectomy specimens.

Objective: To study the various histopathological spectrums of gall bladder lesions.

Materials & Methods: In present study, we have studied a total of 141 cases of gall bladder lesions during the period of six months, from April 2017 to October 2017 in the Department of Pathology at Adesh Institute of Medical Sciences and Research, Bathinda.

Results: Benign lesions of gall bladder outnumbered the malignant ones with non-neoplastic lesions, accounting for 93.6% (132 cases) with chronic calculous cholecystitis contributing the majority of the non-neoplastic lesions (49.64%), followed by cholesterosis (22.69%), acalculous cholecystitis (4.96%), followed by gangrenous and xanthogranulomatous cholecystitis. Females were predominantly affected in the present study with total 107 cases out of 141 cases (75.8% cases). Most of the non-neoplastic lesions of the gall bladder lesions are common in 3rd, 4th and 5th decades of life. Neoplastic lesions of the gall bladder were common in 5th, 6th and 7th decades of life. Out of 141 cases, five cases were of adenocarcinoma of gall bladder (3.5%). The mean age of patients with adenocarcinoma of gall bladder was 60.8 years.

Conclusion: Gall bladder lesions were common indication for surgical intervention and pathological evaluation. Most of them were inflammatory lesions with cholelithiasis; however, thorough examination is important as these lesions may progress to fatal malignancies.

Biography

Nidhi Bansal has completed her MD Pathology from Mahatma Gandhi University of Health Sciences. She is currently working as an Assistant Professor in the Department of Immunohematology and Blood Transfusion in Guru Gobind Singh Medical College & Hospital. She has published more than 14 papers in reputed journals.

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