

Mature Cystic Teratomas of Ovary: A Series of 19 Cases with Rare Malignant Transformation in Three

Authors : Parveen Kundu, Nitika Chawla, Ruchi Agarwal, Swaran Kaur

Abstract : Background: Mature cystic teratoma is a benign, most common tumor of the ovary occurring mostly in young and middle-aged females. This study consists of 19 cases of mature cystic teratomas which were received in the Department Of Pathology over a period of two years. There were malignant transformations observed in three cases, which makes it very important for pathologists to thoroughly examine the entire specimen of mature cystic teratomas. Material and Methods: Nineteen reported cases of mature cystic teratomas were received in Deptt. Of Pathology, BPS GMC Khanpur Kalan, Sonapat, over a two-year period from November 2020 to October 2022 and reviewed retrospectively. Data regarding age, size, laterality, gross, morphological features, and surgery performed were retrieved from pathological archives. Results: In our study, the most common age of presentation was the 20-40 year age group. The most common presenting complaint was fullness in the abdomen or abdominal distension. Four out of 19 cases studied cases presented with bilateral ovarian cysts. Tumor size ranged from 6 to 20 cm in diameter. In seven cases, cysts were greater than or equal to 10 cm in diameter. Three cases showed malignant transformation. Conclusion: It is very important to thoroughly examine the contralateral ovary to rule out bilateral presentation. A furthermost thorough examination is advised in tumors of size >10 cm and in tumors with solid areas to rule out any malignant transformation.

Keywords : teratoma, ovary, malignant, transformation

Conference Title : ICP 2023 : International Conference on Pathology

Conference Location : New York, United States

Conference Dates : November 06-07, 2023