

Comparison of ovarian crescent sign & risk of malignancy index in prediction of ovarian malignancy

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Objective: To evaluate the presence of “Ovarian Crescent Sign” (OCS) as a new parameter for discriminating benign from malignant ovarian masses, keeping the histopathology as the gold standard and to compare it with risk of malignancy index (RMI) in prediction of ovarian malignancy.

Methods: Presence of ovarian crescent sign (OCS) and calculation of risk of malignancy index (RMI) was done for 50 cases of adnexal masses scheduled to undergo surgery taking histopathology as gold standard.

Results: RMI had sensitivity of 55.5% and negative predictive value of 90.7%. Specificity and positive predictive value of RMI were 95.1% and 71.4% respectively. OCS was absent in all malignant lesions giving a sensitivity and negative predictive value of 100%. Specificity and positive predictive value of negative OCS was 80.4% and 52.9% respectively. All masses with presence of ovarian crescent sign were benign.

Conclusion: Ovarian crescent sign besides being cheaper and easy to perform appears to be a better test than RMI to differentiate between benign and early stage malignant ovarian tumors.

Biography

Amita Suneja is working as professor in Obstetrics and Gynecology in University College of Medical Sciences & Guru Teg Bahadur Hospital, Delhi University, India. She has graduated from Maulana Azad Medical College in 1982, did MD in OB & Gyn from Safdarjung Hospital, Delhi University in 1986. After senior residency she joined UCMS & GTBH as lecturer in 1988 and became professor in year 2000. Amita Suneja's keen interest is in Colposcopy, Gynecologic oncology & Adolescent gynecology. Dr Amita Suneja was awarded short term WHO fellowship in Gynecologic oncology in M D Anderson Hospital, Texas, USA in 1996. She have more than 50 research publications, edited and authored three books.

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