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Abstract Template

Title: Role of cervical cancer biomarkers p16 & Ki67 in abnormal cervical cytological smear.

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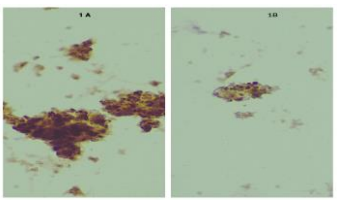
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Keywords: p16; Ki67; ASC-US, ICC, Liquid based cytology

Abstract Body : Cervical cancer is the most common cancer in India. Screening of cervical cancer helps in marked reduction in invasive cervical cancers. The low sensitivity of Papanicolaou cytology(Pap smear) and high risk human papillomavirus(HR-HPV) in excluding High grade intraepithelial lesion (ASC-H) leads to unnecessary referrals to colposcopy guided biopsy. The combined cervical cytology screening and HR-HPV has its own limitations and still need further standardization. Using additional biomarkers like dual staining with p16 and Ki-67 might help in triaging abnormal pap smear. The aim of our study is to know the dual immunostaining for p16/Ki-67 in predicting the presence of significant lesion in cases of mild cytological atypia.

Figure 1A, B: p16 40X , Ki67 40X view



Reference:

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Biography: Dr. Meenakshi Gothwal is currently working as an Associate Professor in the department of Obstetrics and Gynecology at All India Institute of Medical Sciences, Jodhpur. She is actively involved in the research activities of the department with her areas of interest being high risk pregnancy and gynecological oncology. She is also worked on various intramural funded projects as a primary investigator in the project entitled “Cancer –cell biomarkers p16 and Ki67 in abnormal cervical cytological smear” as well as co-investigator in various projects focusing on contraception, sexually transmitted diseases, prediction of preterm labour using utero-cervical angle, prevention of surgical site infections and correlation of intrapartum electronic fetal surveillance with adverse neonatal outcomes etc. She has a keen interest in undergraduate as well as post graduate teaching and is also guiding undergraduate students for Short term student projects funded by ICMR and attends various workshops for the same. She has also presented various papers in both national and international conferences.

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