

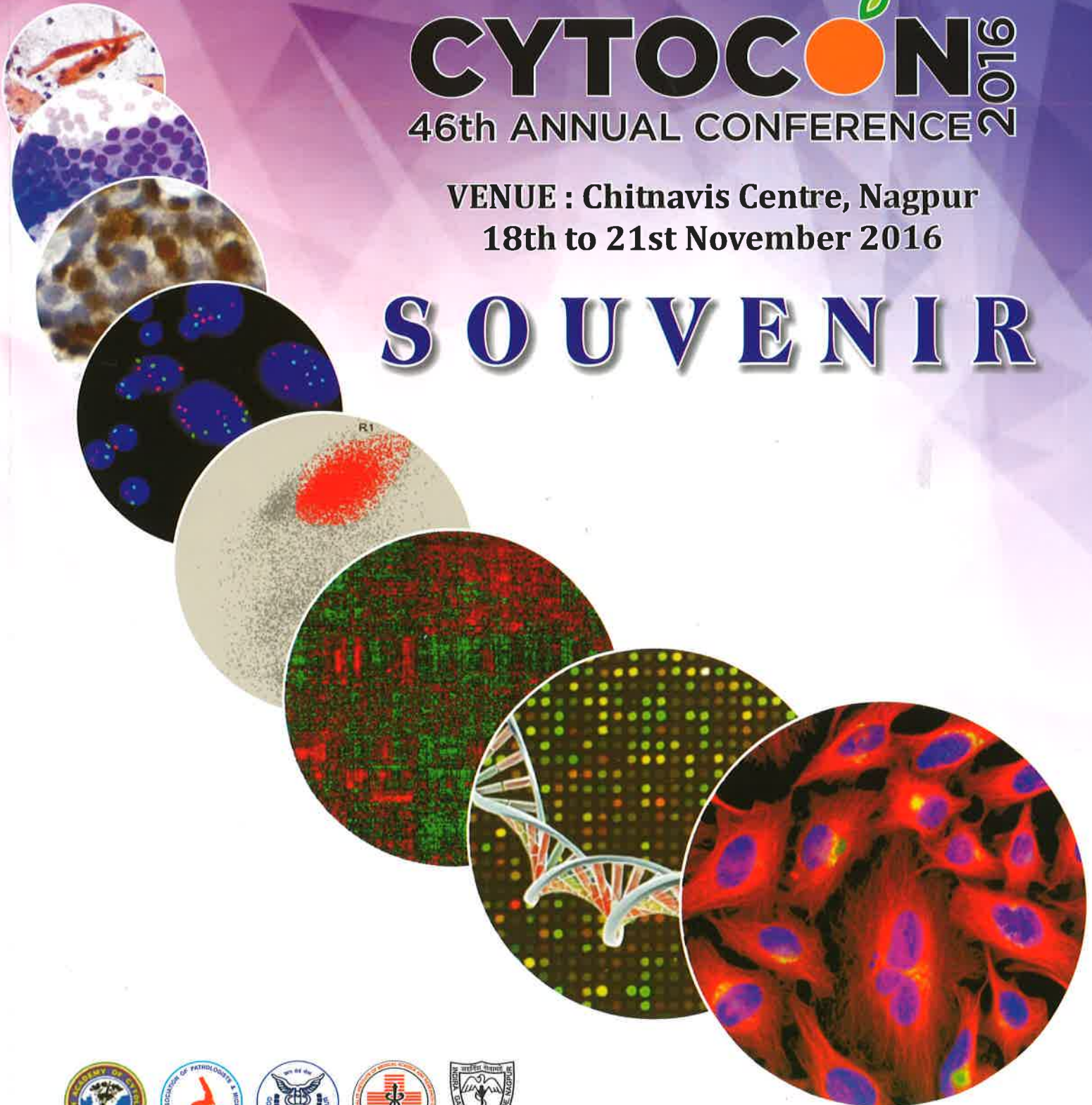
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SOUVENIR



JD 2 - UTILITY OF A NOVEL CELL TRANSFER TECHNIQUE IN CYTOLOGY SMEARS

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ABSTRACT**Introduction :**

Ancillary techniques are necessary to resolve diagnostic dilemma in Cytopathology. Diagnostic 'work-up' of cytology samples is difficult with limited material for cell blocks, necessitating repeat sample.

Aim :

To evaluate utility of Cell Transfer Technique (CTT) using a single cytology smear.

Material & Method :

Total hundred Cytology and FNAC samples were studied. Single Papanicolaou/ Giemsa stained smear was selected from each case. Thin layer of 'cost effective' medium was spread over smear after removing coverslip. After drying in oven, smear was placed in warm distilled water for 15 minutes. It was cut along marked areas using scalpel blade. Cut surfaces of 'donor' smear were gently peeled off the slide and set on different 'recipient' slides. Recipient slides were heated in oven, cleared in xylene, followed by changes of graded ethyl alcohol, destained and subjected to Papanicolaou/ Giemsa staining or ancillary tests.

Results :

Cellular material from all smears was transferred without cell loss and ancillary tests performed correlated with final diagnosis. Nuclear immunomarkers expressed crisp immunopositivity compared to cytoplasmic / membrane immunomarkers.

Conclusion :

CTT is a simple, rapid, useful and cost-effective method for ancillary techniques, obviating need of repeat sample for definitive diagnosis.



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