INTRODUCTION

Pelvic infection in females often occur as a result of colonization by a variety of bacteria \(^1\). On the vaginal and cervical epithelium, the type of organisms present in the vagina depends on pH and the enzymes in the vaginal secretions \(^2\). Therefore, knowledge of the bacterial inhabitants of the vagina and cervix during pregnancy is important and could be of value in assessing the pathogenesis of several clinical entities, like premature rupture of the membrane \(^3,4\), puerperal fever \(^5,6\) or intrapartum or neonatal infections via upper respiratory tracts or the umbilical cord \(^7-10\). Therefore, this study was undertaken to determine the pattern of bacterial flora of the vagina and cervix in pregnant women.

SUBJECT, METHOD AND RESULTS

Fifty three normal healthy pregnant women in the second trimester (20-28 weeks) were selected. Cervical and vaginal swabs were taken from each pregnant woman and brought to the laboratory in 5ml of nutrient broth for culture and microscopy (Wet mount slides). Microorganisms isolated were identified as described \(^11,12\). The pattern of the bacterial flora determined is shown in Table I & II.
Fifteen microorganisms were isolated and identified, seven were pathogens and eight non-pathogens. Pure cultures of bacteria were rarely isolated. Vaginal cultures were positive more often than cervical cultures, and the overall pattern of the bacterial flora of the vagina and the cervix shows that pathogens were less frequently isolated than non-pathogens but pathogens were more frequent in vaginal (32.08%) than in cervical cultures (18.87%).

**CONCLUSION**

Since this is a small study, it is not justified to draw firm conclusions from the results reported. In order to determine the pattern of vaginal and cervical flora among pregnant women and their significance, a more comprehensive study in a larger number of samples and in all three trim-esters of pregnancy would be necessary.

**REFERENCES**