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Premalignant and Malignant Lesions of Uterine Polyps: Analysis at a University Hospital

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Abstract : Introduction: This study aimed to compare the ability of hysteroscopy and ultrasonography to diagnose uterine polyps. To correlate the ultrasonography and hystroscopic findings with various clinical factors and histopathology of uterine polyps. Methods: This is a retrospective study conducted at the Department of Obstetrics and Gynaecology at Sultan Qaboos University Hospital from 2014 to 2019. All women undergoing hysteroscopy for suspected uterine polyps were included. All relevant data were obtained from the electronic patient record and analysed using SPSS. Results: A total of 77 eligible women were analysed. The mean age of the patients was 40 years. The clinical risk factors; obesity, hypertension, and diabetes mellitus, showed no significant statistical association with the presence of uterine polyps (p-value>0.005). Although 20 women (52.6%) with uterine polyps had thickened endometrium (>11 mm), however, there is no statistical association (p-value>0.005). The sensitivity and specificity of ultrasonography in the detection of uterine polyp were 39% and 65%, respectively. Whereas for hysteroscopy, it was 89% and 20%, respectively. The prevalence of malignant and premalignant lesions were 1.85% and 7.4%, respectively. Conclusion: This study found that obesity, hypertension, and diabetes mellitus were not associated with the presence of uterine polyps. There was no association between thick endometrium and uterine polyps. The sensitivity is higher for hysteroscopy, whereas the specificity is higher for sonography in detecting uterine polyps. The prevalence of malignancy was very low in uterine polyps.

Keywords : endometrial polyps, hysteroscopy, ultrasonography, premalignant, malignant
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