

PRIMARY MALIGNANT MELANOMA UTERINE CERVIX

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Received: 8 June 2015 / Accepted: 31 January 2016

Abstract

A 40-year-old premenopausal female presented with foul-smelling per vaginal discharge for 3 months. Diagnostic work revealed a locally advanced primary malignant melanoma of uterine cervix. The patient declined pelvic surgery and was treated with Dacarbazine. Malignant melanoma is a rare tumour of skin and has been ranked in the top five cancers of Australia and Sweden. It is a tumour of melanocytes which forms melanin pigment in the skin. In men, the most common site is trunk while in females common site is limbs. However, melanoma can arise from mucosal surfaces where the melanocytes are present. Most common mucosal sites are head and neck followed by female genital tract.

Key words: Cervix, dacarbazine, malignant melanoma

Introduction

Malignant melanoma is a rare tumour of skin and has been ranked in the top five cancers of Australia and Sweden.^[1] Highest incidence has been reported from Queensland Australia.^[2] There is a slight preponderance of males as compared to female as reported in one study of Pakistan.^[3] Females most commonly develop these lesions on extremities while male usually on trunk and head and neck regions. No definite aetiology can be identified; however, it is found to be more in individuals exposed to sunlight. Interestingly, it does not have a direct relationship with the amount of sun exposure as is with other skin tumours because it is more common in white-collar workers than in those who work outdoors. Diagnosis is usually clinical, but histopathological confirmation is usually required. Special immunohistochemistry (IHC) stains, i.e., S-100, HMB-45, and Melan-A further helps in its diagnosis. The best treatment of melanoma is wide margin excision as it is radio and chemotherapy resistant. This middle age lady presented with unusual per vaginal foul-smelling discharge which on further workup was confirmed a case of primary malignant melanoma of cervix.

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Case Report

A 40-year-old premenopausal female presented with 3 months history of foul-smelling per vaginal discharge. She was housewife with no comorbidities. Her exposure to the sun was not extraordinary. She had seven children, all by spontaneous vaginal delivery. Her youngest child was 7 years old.

The patient was initially seen by local general physicians and was started antifungal treatment with no improvement in symptoms. She was finally seen by a gynaecologist and advised ultrasonography. Ultrasound revealed a 7.5 cm × 5.5 cm mass in a lower uterine segment involving the anterior wall of the cervix. The differential diagnosis was a calcified fibroid or a malignant growth. Per speculum examination revealed a growth in uterine cervix involving upper two-third of the vagina. Biopsy of the mass revealed primary malignant melanoma of the cervix. IHC was positive for S-100, HMB-45 and Melan-A while negative for cytokeratin AE1/AE3, cytokeratin 5/6, p-63, Desmin, CD-99, lymphocyte common antigen, synaptophysin and vimentin. Magnetic resonance imaging (MRI) pelvis showed 5.8 cm × 8.0 cm × 6.5 cm (AP × TS × CC) mass involving proximal two-third of the vagina and the distal part of the cervix. The mass was extending into endocervix and endometrium causing its thickening. Anteriorly, it was causing an indentation on the posterior wall of the urinary

