

Skin Grafting with Vaginoplasty in Lichen Sclerosis Atrophicus: A Case Report

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Lichen sclerosis is essentially a disease of women. The anogenital area is most commonly affected. Vulva and perianal involvement give figure of 8 appearance. The presenting symptoms are usually pruritus, soreness and dysparunia. Cosmetic aspect however, can not be ignored, which is the main presentation in this case. No definitive treatment is available. Local hydrocortisone cream application and skin biopsy for ruling out malignancy are usually being offered.

We are presenting a case in which skin grafting was carried out. P, unmarried 19 year old female brought for primary amenorrhoea and discoloration of skin for personal reason. Patients sister expired leaving behind two children. Socially she has to marry her brother in law. O/F patient was of average built. Secondary sexual characters were well developed. Local examination showed leukoplakia involving extensive area of vulva,

clitoris, perineum and introitus. Dimpling of vagina noticed. P/R showed absence of vagina and uterus. Routine biochemistry, hormonal profile and chromosomal study was normal. USG abdomen & pelvis revealed absence of uterus and vagina but normal ovary. Diagnostic laparoscopy was done which confirmed above findings. Skin biopsy revealed leukoplakia and no malignant cells. Extensive skin graft from thigh was replaced at the involved area. Reconstruction of vagina by McIndoe method (vaginoplasty) was done simulataneously followed by gradual dilatation of vagina. Follow up examination showed that the graft was well taken up with well formed vagina. The patient married subsequently.

The case presented reflects cosmetic surgery of the nature of skin grafting and vaginoplasty in leukoplakia atrophicus along with congenital genital malformations.