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## Paget's disease involving the entire breast with underlying ductal malignancy: A rare presentation of breast cancer

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**Introduction:** Paget's disease is a type of breast cancer that occurs in the ducts adjacent to the nipple-areola complex and spreads to the skin. The diagnosis remains elusive with varied presentations, mimicking many benign skin diseases, the awareness of which is necessary for the diagnosis. A case of Paget's disease of the nipple, with underlying ductal carcinoma insitu(DCIS) is reported.

**Case report:** A 52 year old female presented with a complaint of reddish itchy, oozy lesion on her left breast which was gradually progressed over 3 months. There was no history of nipple discharge and family history was unremarkable. On examination, she had an erythematous ulcerated plaque covering the nipple-areola complex with hemorrhagic crusts over the left breast. A single mobile lymph node was palpable in the left axilla. The fine needle aspiration was inconclusive. The patient underwent total mastectomy with level II axillary node clearance. The surgical specimen confirmed Paget's disease limited to the epidermis with ductal carcinoma in-situ in the underlying breast tissue. Patient referred to oncologist for further management.

**Discussion:** Management of Paget's disease of breast depends on whether it is confined to the skin or associated with underlying breast tissue involvement. As regards to the therapy, simple mastectomy with or without axillary clearance has been the historic standard treatment if it is confined to the skin. Presence of underlying breast tissue involvement warrants total mastectomy with axillary clearance. In conclusion any chronic eczematous lesion over the breast should be thoroughly evaluated both clinically as well as histologically to rule out malignancy.

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