

# 7TH INTERNATIONAL NURSING CONFERENCE

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### **Role of Topical Oxytocin versus HIFU in Improving Vaginal Atrophy in Breast Cancer Survivors Women: A Randomized Trial**

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**Objective and Design:** Prospective randomized trial to test the effectiveness of topical oxytocin gel Versus HIFU in improving vaginal atrophy in Breast Cancer Survivors women.

**Patients and Methods:** A total of 34 breast cancer survivors women presenting with vaginal atrophy and who satisfied the inclusion and exclusion criteria were randomized into two groups each of 17 patients; they received intravaginal oxytocin gel or HIFU for one setting. Serum estrogen level, visual, colposcopic and histological vaginal examinations were performed before and after treatment.

**Results:** 16 of 17 women in the oxytocin gel group improved after treatment and 17n the HIFU group. All participants reported relief of dyspareunia.

**Conclusion:** Oxytocin gel is useful in the restoration of the vaginal epithelium in cases of breast cancer survivoll atrophic vaginitis however HIFU was more superior and convenient in improving sexual and urinary symptoms in those women. Further studies with a longer follow-up period are required to test the long-term effects of oxytocin and HIFU as a treatment for vaginal atrophy.

**Keywords:** Postcancer survivors, vaginal atrophy, treatment, oxytocin gel, HIFU.

#### **Biography:**

Asem Anwar Moussa was a professor of obstetrics and gynecology at Alazhar School of Medicine and Ex. Director of the University Maternity Hospital Syed Galal and Consultant of IVF Air force specialized Hospital and also a Secretary General of the Egyptian Society of population and Reproductive Health,