

### البحث الثاني

## Effect of Topical Application of Honey on Management of Chemotherapy Induced Oral Stomatitis

د. سلوى عطية محمد السيد قسم التمريض الباطني وجراحي – كلية التمريض - جامعة الفيوم

ا.م.د. أماني محمد شبل قسم التمريض الباطني والجراحي - كلية التمريض - جامعة المنصورة

ا.د. سهير محمد وحيدة قسم التمريض الباطني والجراحي – كلية التمريض - جامعة الإسكندرية

### **Abstract:**

Chemotherapy agents continue to be the mainstay of cancer treatment, but are associated with short and long term side effects. Oral side effects remain a major source of illness despite the use of a variety of agents to prevent them. One of these side effects is oral Stomatitis. These lesions may produce discomfort and pain which interfere with eating, patient compliance to treatment and potential risk of oral infection. **The aim** of this study is to determine the effect of topical application of honey in the management of stomatitis in patients undergoing chemotherapy. **Setting:** This study was conducted at the medical oncology department and outpatient clinics of El Mansoura University Hospital. **Sample:** The subjects of this study comprised 40 adults of both sexes. Patients were divided into two groups: group I (study group) received 20 ml honey and group II (control group) who was left to the routine hospital care. **Tools of the study** consisted of two parts to collect the study data: patient's Bio socio-demographic data and Medical data; Oral assessment guide (OAG) tool. **The main result of the study** showed that subjects among the study group had healthier oral cavity and lower degree of oral stomatitis compared to the subjects that used in the control group following 10 days of chemotherapy administration. The honey group improved better and faster. Analysis of data and comparison of means revealed a statistically significant difference between the two studies groups as regarding the improvement of oral condition in honey group foster than control group. The change in weight between the two studied groups was statistically significant, meaning that the improvement of body weight was much more in the experimental group than it was in the control group. **Conclusion and recommendation:** According to the results, honey caused virtually better



recovery of stomatitis among patients compared with routing solution administered at the ward. The study recommended that patients who suffers from stomatitis should encouraged to frequent and regular training programs to keep the oncology nurses updated with the most recent and effective oral hygiene practices.

إمضاء مقدم البحث

اسم مقدم البحث: سلوة عطية محمد