

ABSTRACT

Premature ejaculation is the most common type of sexual dysfunction it is the condition in which a man ejaculates before his sex partner achieves orgasm. The aim of our study is detection of composition of Hagar Al Sada and its role in treatment of PE, to

test the effect of topical application of Hagar Al Sada on intervaginal latency time, compare between Hagar Al Sada and different types of treatment in PE.

Our study was from 1/3/2011 to 31/12/2011 and conducted in 3 parts 1-The first part of the study was conducted in Forensic medicine and clinical toxicology department, faculty of medicine, Fayoum University. In this work we purchased samples of Hagar El Sada to detect its composition. 2-The second part of the study was conducted in the outpatient clinic of Dermatology, STDs, and Andrology department, Fayoum University Hospital, Fayoum. The study was conducted on 30 male patients after their agreement and knowledge of the study, their age ranged between 28 and 62 years.

FIRST PART OF THE STUDY:

Hagar Al Sada gave positive result in chemical reactions (which used to detect if Hagar Al Sada contains nitrite compound) so Hagar Al Sada has nitrite compound.

By Reinsch's test: The result was negative and by using the atomic absorption spectroscopy The compound of Hagar Al Sada in our samples is cadmium with a concentration of 100 mg/g and with the presence of resin. Hagar Al Sada' composition which we purchased from fayoum is mainly cadmium nitrite with resin. In previous searches it was found that Hagar Al Sada contains nitrite or nitrate with lead, arsenic or silver. Our finding and previous searches support what was published that Hagar Al Sada is a tree sap.

THE SECOND PART OF THE STUDY: All patients were subjected (after their agreement and knowledge of the study) to the following: 1-A full medical history including as General Medical History (DM, Hypertension, Kidney, Liver diseases, Heart disease, and any Neurological disorders).

2- Sexual History as exclude coexisting ED, IELT determination and Onset and duration of PE.

3- Psychological history as depression and anxiety.

4- Examination: General examination, Genitourinary examination, Rectal examination and Neurological Assessment of LL and Pelvis.

5- Investigations: Urine Analysis. And Prostatic smear

Full medical history showed that 26.7% were diabetics, 40% were hypertensive, 10% had kidney disease, 22.3% had liver disease, 13.3% had heart disease, while no patients suffered from neurological disorders.

The sexual history of the patients revealed that 26.7% had previous sexual relations. All patients practiced masturbation during their early sexual life, 16.7% had active extramarital sexual activities. No sexual satisfaction was reported by all patients while 63.3% of their partners reported no sexual satisfaction.

The use of Hagar El Sada in our patients showed a progressive elevation of IELT from a mean of 1.48 minutes to 21.4 minutes after 2 weeks to 27.4 minutes after 4 weeks to 33.33 minutes after 6 weeks and finally to 41.97 minutes after 12 weeks. The progressive elevation shows a significant elevation $P < 0.001$. No side effects were reported during the study period.

Key word: Hagar Al Sada is safe and effective in treatment of PE than others treatment of premature ejaculation.

