



# The Use of Crude Extract of *Alhagi graecorum* and *Urtica pilulifera* in the Treatment of Chronic Inflammation of Seminal Fluid: A Case Study

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Received:  January 04, 2019

Published:  January 22, 2019

## Abstract

**Introduction:** Although, the medicines have been widely developed at global level, herbal treatments are still used by many patients for both being cheap and safe treatments.

**Objectives:** The main objective of the present study is to report a living experience of a patient with chronic inflammation of seminal fluid for 12 years.

**Study case:** We introduced a case of having seminal fluid infection for 12 years. The patient has used several types of antibiotics and developed multiple resistances for antibiotics. The patient and his family decided to look for other therapeutic approaches such as herbal products. We described in this study how successfully the patient was treated.

**Keywords:** Seminal fluid; Infection; Herbal treatment; *Alhagi graecorum*; *Urtica pilulifera*

## Introduction

The use of herbal products for therapeutic purposes has begun since prehistoric times [1,2]. At global level, people used herbal medicine for various purposes such as the treatment, control and management of variety of diseases [3-6]. Several studies including ours have revealed the therapeutic potential of *Urtica* (Urticaceae), or stinging nettle [7]. As illustrating examples, several studies have demonstrated hypotensive properties of *Urtica* [8,9]. Several therapeutic uses of *Urtica* have been reported including anti-inflammatory effects [10], prostatic hyperplasia [11,12], diuretic [13] and immunomodulatory activity [14-17], to relieve rheumatic pain [18], and rheumatoid arthritis [19]. Another herb of interest is *Alhagi graecorum*, also known as Camel thorn [20]. It is used for different medical purposes [21-24]. Numerous studies showed the importance of using *Alhagi* plants in treating a variety of diseases such as shingles [20], gastroenteritis, ulcers, fever, inflammations and angina pain, headache and toothache, rheumatoid arthritis, liver disorders, kidney stone and urinary tract infections, hypertension and cancer [25-34]. In the present study, we introduce our

experience in treating seminal fluid infection by using the water crude extract of both *Alhagi graecorum* and *Urtica pilulifera* for the first time up to the best knowledge of the researcher.

## Study Case

A case of a male patient with inflammation in seminal fluid over 12 years is presented. The most prominent feature was highly increased number of white blood cells in seminal fluid in the range of 100-120 cells/HPF. During that time, the patient visited various private clinics and hospitals and he was prescribed several types of antibiotics. This case was considered a typical case of antibiotic abuse either in the level of individual or in the medical level. The benefit of antibiotic treatment was very limited which requires the patient and his relatives to seek for other alternative therapeutics. The patient was advised to intake the crude extract of two herbal plants: *Alhagi graecorum* and *Urtica pilulifera* for three months in the following pattern: A cup of 200ml of *Urtica pilulifera* in the morning with some sugar, and a cup of 200ml of *Alhagi graecorum* in the evening.

## Results

After the treatment time had finished, a seminal analysis was carried out, and the results were amazing, the white blood cells in seminal fluid were 5cells/HPF.

## Conclusion

The present study showed that the double treatment of *Alhagi graecorum* and *Urtica pilulifera* can be effectively used against chronic inflammation of seminal fluid without side effects.

## Recommendation

We recommend studying the therapeutic effects of these herbal plants in depth against other inflammatory diseases.

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