Water based extract of medicinal plant Gynura Procumbens (Gynuron) application of in Gynaecology.

Gynura Procumbens (Lour.) Merr., Asteraceae family, is mentioned in traditional Eastern medicine as a topical anti-inflammatory remedy [1].
In Southeast Asia, Gynura plants are widely distributed. In Thailand, it is externally used as anti-itching, anti-inflammatory, and antiherpes virus [2].
In Singapore, Malaysia, and Indonesia, the plant has been traditionally used as remedies for eruptive fever, rash, kidney disease, migraine, constipation, hypertension, diabetes mellitus, and cancer [3].
The ethanol extract from the leaf reduced the mouse ear oedema induced by croton oil [4].
Phytochemical studies of Gynura plants resulted in the discovery of pyrrolizidine alkaloids [5–7], spirostanol [8], coumarins [7–9], and anthocyanins [10].
Since 2012 Gynura is cultivated in Cyprus at the plantation of Via Vitae Estate Ltd., Limassol area.
Water based extract from the plant demonstrated bactericide and fungicide action in [12].
Application of ethanol and water based extracts did show significant and fast recovery of affected areas in dental practice for gingivitis, post surgery and post traumatic ulcer treatments[13].

Since Gynura Procumbens, a natural, alcohol free and safe for mucus membrane, has not been explored for gynaecological applications and since this product was originally manufactured for this reason, the present study has been performed.

Materials and methods.

Water based extract concentrate of G. Procumbens (Gynuron) has been produced by the company Via Viae Estae led., Limassol.
The final composition for application was obtained by diluting Gynuron with distilled water with proportion 1:10. Octenisept-type irrigator has been used for the distribution of the extract over the affected areas.

Clinical cases.

Nineteen cases of persisting non specific colpitis-vaginitis, resistant to initial treatment, resolved after 10 days of vaginal application of Gynura water extract using the Octenisept applicator with twice a day application (morning and evening).

No side effect noted.

Patients tolerated the treatment well.

Conclusion.

Water based extract of the medicinal plant Gynura Procumbens has obvious anti-inflammatory as well as regenerative properties and due to its natural composition has considerable potential in gynecological practice.

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References.


