



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 Ild., 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.

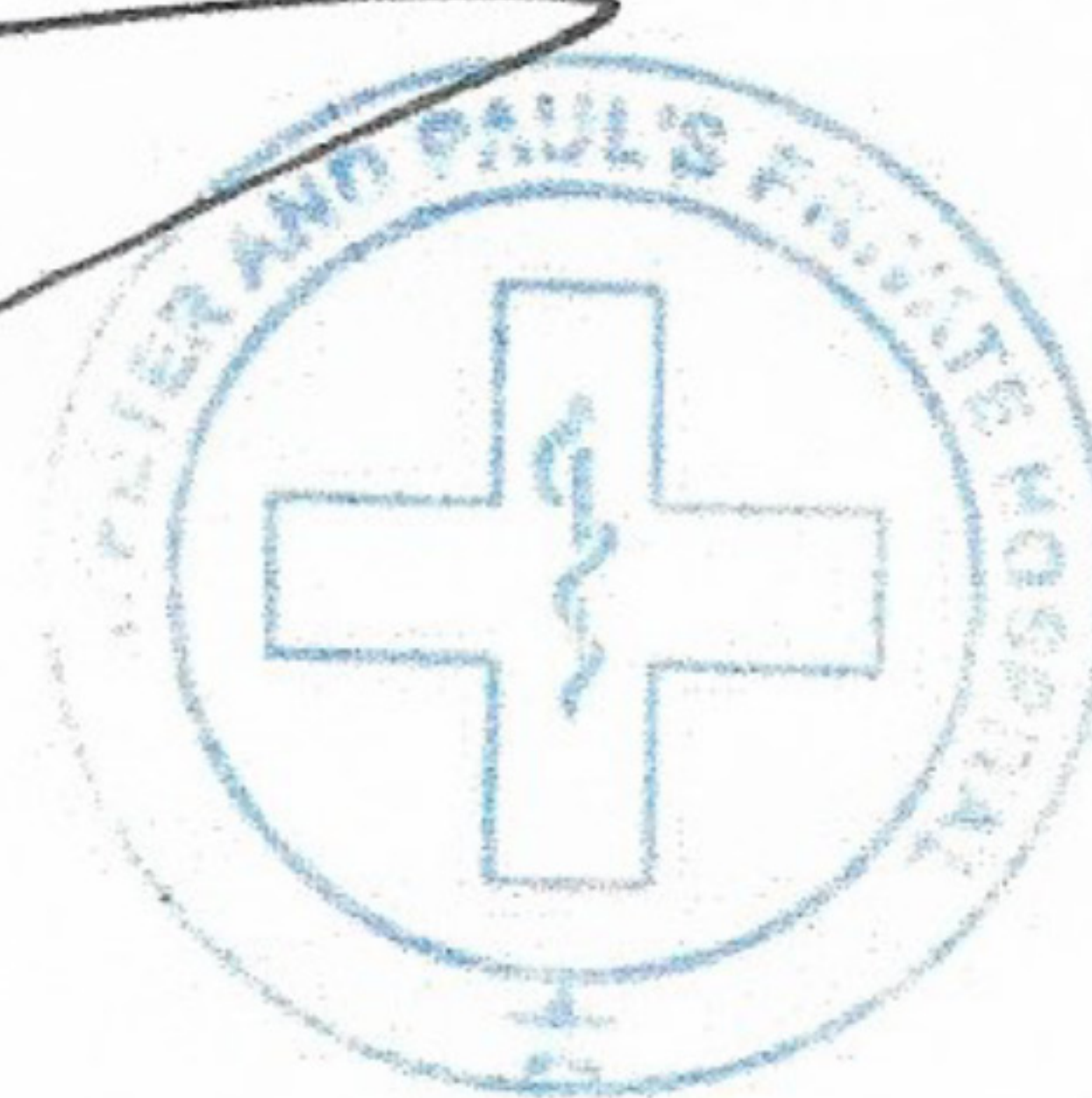
Conclusion.

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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