

Abstracts (Oral Presentation)**Biological Activities of Ya-Mor-Noi Remedy
for Postpartum Care**

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Abstract

Introduction: Ya-Mor-Noi (YMN) is a Thai herbal remedy used at Dansai Crown Prince Hospital, Loei Province. It consists of seven plants, including the rhizome of *Smilax corbularia* (SC), the stem of *Caesalpinia sappan* (CS), *Goniothalamus laoticus* (GL), *Polyalthia suberosa* (PS), *Glycosmis pentaphylla* (GP), *Croton persimilis* (CP), and *Diospyros ehretioides* (DE). For over 20 years, YMN has been prescribed for patients admitted to post-partum wards after delivery to efficiently reduce inflammation and rehabilitate them.

Objectives: To study biological activities of YMN extracts relating to postpartum conditions, including anti-inflammatory, wound healing activities and investigating its main compound.

Methods: Extraction methods comprised maceration at 95%, ethanol at 50%, and decoction. Anti-inflammatory activity was investigated by determining the production of nitric oxide (NO) from RAW264.7 cells. Wound healing activity was investigated by scratch assay and the main compounds investigating through high-performance liquid chromatography (HPLC).

Results: Ethanolic extracts of YMN showed inhibition of nitric production. The decoction extract showed significant difference in wound recovery compared to the control. HPLC fingerprint analysis indicated two main compounds: Brazilin and Astilbin.

Conclusions: It is concluded that YMN produced anti-inflammatory and increased percentage of wound recovery. These findings support usage of YMN to treat postpartum patients by traditional medicine practitioners in Thailand.

Keywords: Ya-Mor-Noi, Anti-inflammatory, Wound healing, High-performance liquid chromatography

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