

Anti-inflammatory effect of date seeds (*Phoenix dactylifera* L) on carrageenan-induced edema in rats

Publons ID	32899949
Wos ID	WOS:000454433400022
Doi	10.4314/tjpr.v17i12.22
Title	Anti-inflammatory effect of date seeds (<i>Phoenix dactylifera</i> L) on carrageenan-induced edema in rats
First Author	Saryono, Saryono; Warsinah, Warsinah; Isworo, Atyanti; Efendi, Ferry;
Last Author	
Authors	Saryono, S; Warsinah, W; Isworo, A; Efendi, F;
Publish Date	DEC 2018
Journal Name	TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH
Citation	8
Abstract	a:4:{i:0;s:133:"Purpose: To study the anti-inflammatory properties and mechanism of action of date seed extract in carrageenan-induced edema in rats.";i:1;s:661:"Methods: In this study with a pre-and post-test control group design, 30 Wistar rats were divided into six groups: Groups C1, C2, and C3 (given 1, 3, and 5 g/kg of soaked date seeds, respectively); positive control (PC, positive control given dexamethasone, 0.5 mg/kg dose), negative control (NC, edema induced by carrageenan), and healthy control (HC, no treatment). In groups C1-3, PC, and NC, carrageenan was administered intraperitoneally prior to date seed, PC and NC treatments. Prostaglandin E2 (PGE-2), cyclooxygenase (COX)-1, COX-2, interleukin (IL)-1 beta, and IL-12 were measured before and immediate;y after treatment and compared between the groups.";i:2;s:290:"Results: Steeped date seed modulated inflammatory mediators by decreasing IL-1 beta, COX-1, COX-2, IL-12, and PGE-2 significantly (p < 0.05). Its indicated that the steeped date seeds down-regulate pro-inflammatory mediators in a manner similar to that of dexamethasone as positive control.";i:3;s:246:"Conclusion: Steeped date seeds possess anti-inflammatory activity similar to that of dexamethasone, through a mechanism involving decreases in pro-inflammatory mediators. Thus, date seeds is a potential source of herbal anti-inflammatory therapy.";};
Publish Type	Journal
Publish Year	2018
Page Begin	2455
Page End	2461
Issn	1596-5996
Eissn	
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000454433400022
Author	ATYANTI ISWORO