

عنوان مقاله:

Hydroalcoholic extracts of three Artemisia species attenuate dental pulp pain and pain-related abnormal feeding behavior of rats

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نویسندگان:

جهانگیر حقانی - Endodontology Research Center, Kerman University of Medical Sciences, Kerman, Iran

فاطمه حقانی - Department of Physiology and Pharmacology, Afzalipour School of Medicine, Kerman University of Medical Sciences, Kerman, Iran

امیرحسین سلیمانی - Physiology Department, Hormozgan University of Medical Sciences, Bandar Abbas, Iran

مهدی عباس نژاد - Department of Biology, Faculty of Sciences, Shahid Bahonar University of Kerman, Kerman, Iran

مجتبی خدای - Department of Biology, Faculty of Sciences, Shahid Bahonar University of Kerman, Kerman, Iran

راضیه کوشکی - Department of biology, Faculty of Science, Lorestan University, Khorramabad, Iran

مریم رئوف - Department of Orofacial Pain and Dysfunction, Academic Centre for Dentistry Amsterdam (ACTA), University of Amsterdam and Vrije  
Universiteit Amsterdam, Amsterdam, Netherlands

خلاصه مقاله:

This study considered the therapeutic efficacy of three different Artemisia species extracts on capsaicin-induced dental pulp pain and pain-associated changes in feeding behaviors in adult male Wistar rats. The animals were alienated into five groups ( $n=6$ ), comprising: sham, capsaicin, and capsaicin groups pre-treated with hydroalcoholic extracts of *A. sieberi*, *A. persica*, and *A. biennis*. Pulpitis was evoked by intradental administration of capsaicin ( $100 \mu\text{g}$ ). The plant extracts ( $200 \text{ mg/kg}$  i.p.) were administered 10 min before capsaicin. Pain scores were recorded for forty min. Afterward, feeding behavior was evaluated within 6 hours. All extracts could suppress capsaicin-related dental pulp pain. Furthermore, capsaicin decreased the number of visits to the food and water ports of the feeding behavior evaluation device that led to a reduced amount and duration of meals consumed. These harmful effects of capsaicin on meal duration, and frequency were attenuated by *A. persica*. Moreover, capsaicin inhibitory effect on food intake and water consumption was suppressed by all the extracts. Taken together, the present study showed that Artemisia species extracts are useful in suppressing capsaicin-induced pulpal pain and pain-induced feeding abnormalities.

کلمات کلیدی:

Pulpitis, Capsaicin, food intake, Artemisia, Rats

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