

عنوان مقاله:

Evaluation of Oral Health Related Quality of Life and Its Related Factors in Pre-school Children Living in Zanjan in ۲۰۱۵

محل انتشار:

مجله علمی پژوهشی دانشگاه علوم پزشکی زنجان، دوره 26، شماره 114 (سال: 1396)

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نویسندگان:

شبیم تمجید شبستری - *Dept. of Pediatric Dentistry, Faculty of Dentistry, Zanjan University of Medical Sciences, Zanjan, Iran*

نیما معتمد - *Dept. of Social Medicine, Faculty of Medicine, Zanjan University of Medical Sciences, Zanjan, Iran*

مریم کریمی کیا - *Faculty of Dentistry, Zanjan University of Medical Sciences, Zanjan, Iran*

خلاصه مقاله:

Background and Objective: Due to the numerous side effects of synthetic analgesics, attention has been paid to find new analgesic agents with fewer side effects. This study aimed to evaluate the analgesic properties of Satureja bachtiarica essential oil in mice. **Materials and Methods:** In this study, eighty male NMRI mice were randomly assigned to ۵ groups including a control group, groups receiving Satureja bachtiarica essential oil at doses of ۲۵، ۵۰ and ۱۰۰ mg/kg and a group that received morphine at a dose of ۱۰ mg/kg. After intraperitoneal injection of morphine and essential oil, pain response was determined using hot plate and tail immersion tests. **Results:** In the hot plate test, ۱۰۰ mg/kg of Satureja bachtiarica essential oil showed significant analgesic effect compared with the control group but, ۵۰ and ۲۵ mg/kg doses of essential oil did not show any significant effect. Intraperitoneal injection of Satureja bachtiarica essential oil at a dose of ۱۰۰ mg/kg increased resistance to the hot water at ۰، ۲، ۴ and ۶ minutes after the beginning of the tail immersion test ($P < ۰.۰۵$). **Conclusion:** The results of this study showed the analgesic effect of Satureja bachtiarica essential oil on mice.

کلمات کلیدی:

Satureja bachtiarica, NMRI mice, Hyperalgesia

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