



Accn No:T-01319



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Recognised by Dental Council of India, New Delhi



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SHRI DHARMASTHALA MANJUNATHESHWARA UNIVERSITY,
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KNOWLEDGE AND INFLUENCE OF PRIMARY
MANAGEMENT OF DENTAL TRAUMA IN SCHOOL
CHILDREN, AMONG HUBLI- DHARWAD SCHOOL TEACHERS
BY USING TWO DIFFERENT EDUCATING TOOLS - AN
INTERVENTIONAL STUDY.

By

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Dissertation Submitted to the
Shri Dharmasthala Manjunatheshwara University, Dharwad, Karnataka,

In partial fulfillment
of the requirements for the degree of

MASTER OF DENTAL SURGERY (M.D.S)

In

PEDIATRIC AND PREVENTIVE DENTISTRY

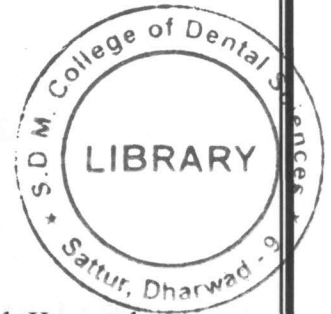
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MAY 2022



Abstract

Background/Aim : Traumatic dental injuries are one of the emergency oral health problems in children that can put down the quality of life. School teachers come across dental injuries on many situations, and first to be available at the site of injury. Hence the knowledge of school teachers in emergency management of dental trauma plays an important role. The aim of this interventional study was to assess the level of knowledge of school teachers and the best educating tool to provide knowledge regarding emergency management of dental trauma to the school teachers/lay person.

Materials and Methods : A questionnaire-based interventional survey was conducted to assess knowledge and experience about traumatic dental injuries among 120 full-time working school teachers. The study was conducted in 3 sections. The inclusion criteria were full-time school teachers at the time of data collection, school teachers with smart phone and school teachers willing to participate. And school teachers without smart phones and unwillingness to participate were the exclusion criteria. Lecture group and smartphone app group was divided using simple random sampling. Chi-square test was used to evaluate the obtained data. p value was at <0.05.

Results : The school teachers knowledge on how to react or manage bleeding in soft tissue injury improved from 30.8% to 96.7%, and also the knowledge improved from 56.7% to 98.3% regarding knocked out tooth and the best transport liquid to be used in getting the knocked out tooth from 48.3% to 83.3%, and also knowledge on how to hold the knocked out tooth improved from 55% to 98.3%.

Conclusion : The baseline knowledge of school teachers regarding emergency management of dental trauma is below average in Dharwad – Hubli region. After the intervention of the two educating tools the school teachers knowledge improved and the smart phone app shows favoring results in improving the knowledge of school teachers on emergency management of dental trauma.

Key words : Traumatic dental injuries, emergency management, lecture, smart phone app.