



AWARENESS OF LOCAL ANESTHESIA

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ABSTRACT

AIMS AND OBJECTIVES: Local anesthetics are the most commonly used drugs in dentistry. Although they are considered effective and safe in controlling pain during dental procedures, complications and contraindications related to their use appear inevitable. Many people are unaware of contraindications, complications, medical emergencies and recent advancements of the local anesthesia. This survey made us to work on creating awareness among the general dental practitioners and public about the impact of local anesthesia on pain control. We also tried to assess the knowledge about complications, contraindications medical emergencies related to local anesthesia and its role in pain control. Also to make them aware about recent advancements of local anesthesia.

NEED OF STUDY: The aim of the study was to determine the knowledge and create awareness of local anesthesia among general dental practitioners and people who were afraid of dental treatments involving local anesthesia.

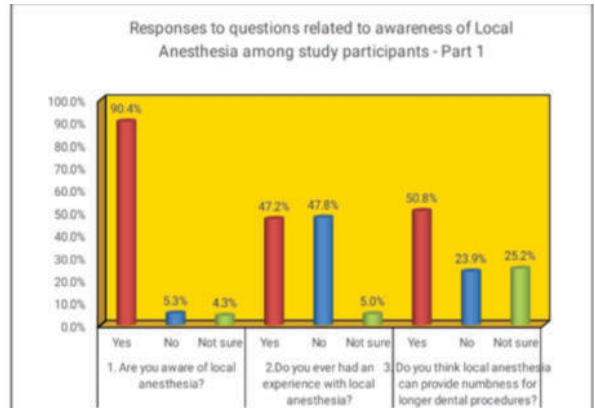
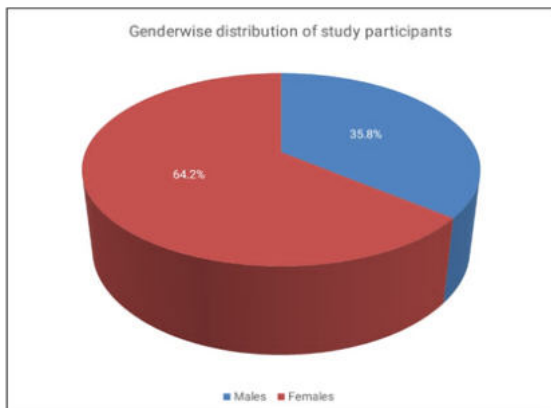
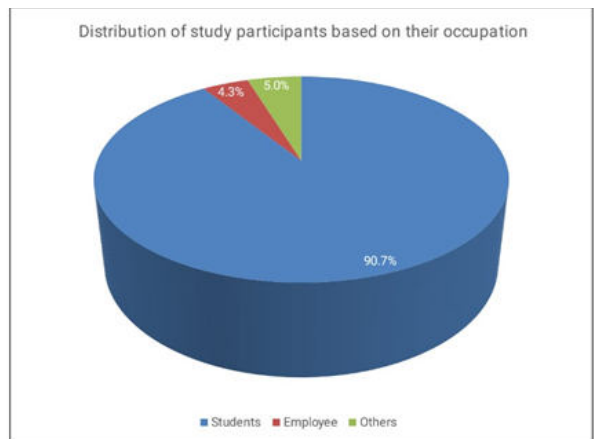
KEYWORDS : Local anesthesia, pain, toxicity, adrenaline, medical emergencies, pregnancy, infections, EMLA

METHODOLOGY:

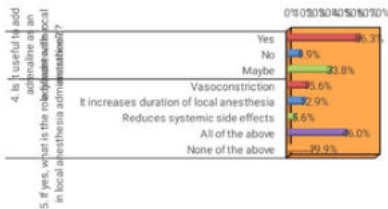
The study was designed with a 21 questionnaire to collect information about local anesthesia education. The questionnaire were sent to dental practitioners, employees, students and others. Data were analysed using google form.

RESULT/DISCUSSION

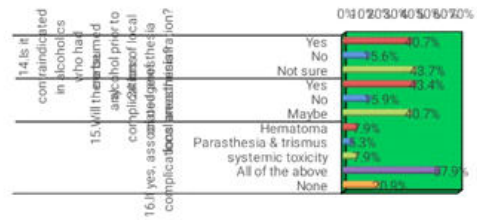
Majority of the study participants [90.4%] were aware of local anesthesia & many of them expressed a mixed reaction for having [47.2%] & not having [47.8%] an experience with local anesthesia. Many of the study participants [50.8%] knew that local anesthesia can provide numbness for longer dental procedures & it was useful to add adrenaline as an adjuvant with local anesthesia [56.3%] and a significant proportion of study participants were aware of the role of adrenaline in local anesthesia [46.0%]. These findings were statistically significant at P<0.001



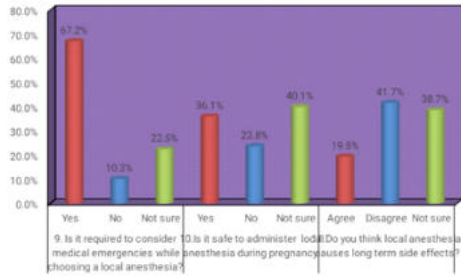
Responses to questions related to awareness of Local Anesthesia among study participants - Part 2



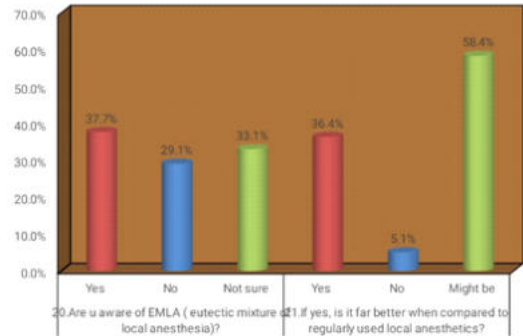
Responses to questions on Contraindications & complications related to Local Anesthesia



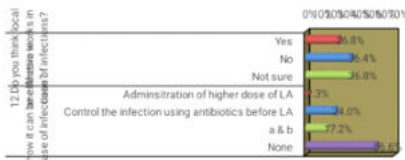
Responses to questions on Procedure & considerations during administration of Local Anesthesia - Part 2



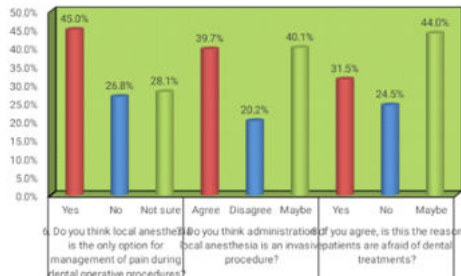
Responses to questions on awareness of EMLA



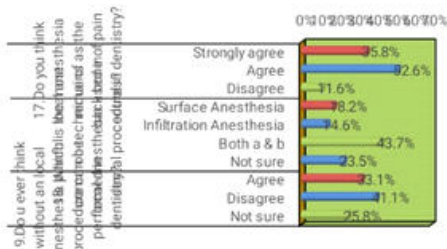
Responses to questions on Procedure & considerations during administration of Local Anesthesia - Part 3



Responses to questions on Procedure & considerations during administration of Local Anesthesia - Part 1



Responses to questions on Importance of Local Anesthesia



CONCLUSION:

Most of the dental practitioners, students and public appear to have inadequate knowledge about LA and especially about recent advancements. Further educational courses are recommended to update them regarding such important aspects of dentistry.

Future Scope:

This response from survey which was conducted is an important message that reminds the importance of avoiding fear among public for dental treatments. This study has provided assessment of patients knowledge about local anesthesia.

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