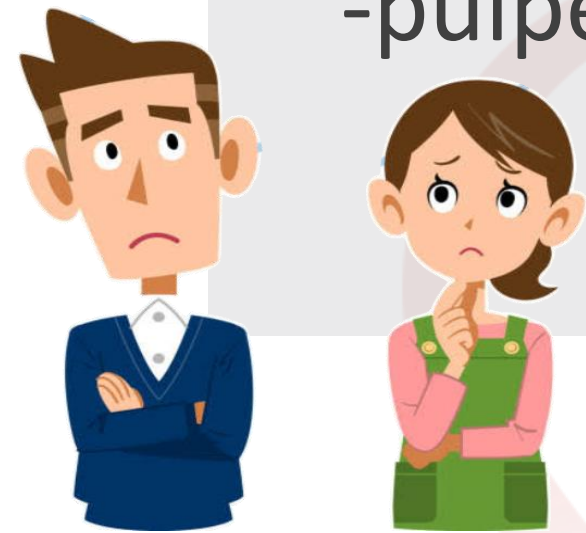




Parental anxiety associated with children undergoing dental treatment -pulpectomy procedure under LA



INTRODUCTION

- Anxiety is described as a reaction to the feeling of danger or apprehension in situations prior to the dental treatment.
- Fear is a reaction to known stimulus
- 6–15% of the population suffers from dental fear and anxiety-avoidance of dental treatment worldwide

AIM

The aim of this study was to evaluate the anxiety felt by parents of children undergoing dental treatment- pulpectomy procedure under LA



STUDY DESIGN

- Pilot study
- Sample size-40
- The study was approved by the Institutional ethical committee
- The questionnaire for parents served as a means of obtaining informed consent



Inclusion criteria

- MOTHERS of medically fit children aged between 3–8 years
- Parents of children who had never before been submitted to pulp therapy.



Exclusion criteria

- Mothers of medically compromised children
- parents of children with a recent history of surgery or hospitalization



Maternal
anxiety

Modified
Dental
Anxiety
Scale

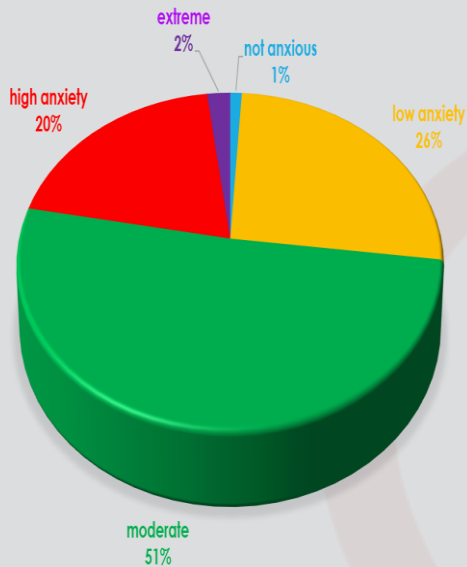


Heart rate:
Pulse oximeter

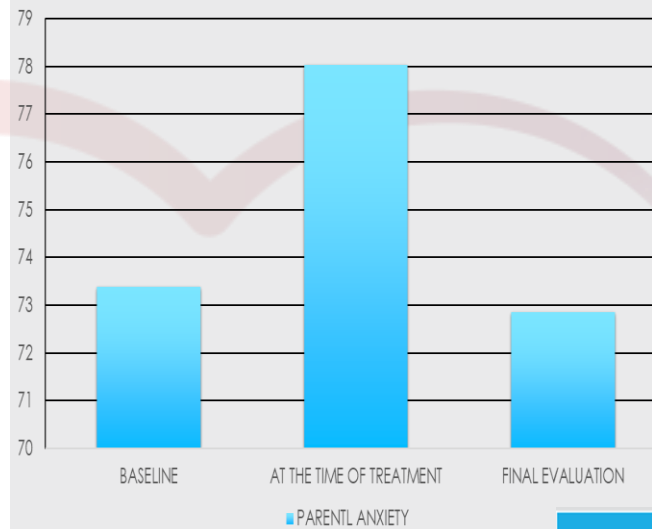


RESULT

MODIFIED DENTAL ANXIETY SCALE ANALYSIS



PARENTL ANXIETY



	Mean	Std deviation	P value
Base line	73.38	1.427	<0.001
At the time of treatment	78.3	3.134	
After treatment	72.85	1.610	

DISCUSSION

- **Qahtani FA, et al, 2019**
- Dental treatment is a stressful experience for a parent.
- The introduction of a pharmacological method of behavior management seems to significantly increase the stress felt by the parent.

According to Yigit T et al, 2022

- The anxiety of parent accompanying the child affects child's anxiety. Parents with high anxiety appeared to negatively affect their children's behavior

Pani et al., 2014

The heart rate, as measured by a pulse oximeter, is a useful tool for the measurement of acute stress felt by the individual and has been previously used to monitor anxiety in mothers of children undergoing surgery

Shabnam Gulzar et al. ,2015

-confirmed that MDAS is a more reliable tool in measuring parental anxiety and concluded that maternal dental anxiety had a positive correlation with a child's behavior.

Qahtani FA, Pani SC. Parental anxiety associated with children undergoing dental treatment. Eur J Paediatr Dent. 2019 Dec

Yigit T, Gucyetmez Topal B, Ozgocmen E. The effect of parental presence and dental anxiety on children's fear during dental procedures: A randomized trial. Clin Child Psychol Psychiatry. 2022 Oct
Panni SC, Algarni B, Alzain LM, Alqahtani NS. Assessment of the impact of stress and anxiety on pain perception in patients undergoing surgery for placement of their first dental implant. Oral Health Dent Manag 2014;

CONCLUSION

- The present study led to the conclusion that anxiety of parent during dental procedure to their children is high
- Dental anxiety (DA) can be considered as a universal phenomenon
- DA and pain are also the main causes for medical emergencies in the dental office, so their prevention is an essential part of patient safety and overall quality of care

References

- Thribhuvanan, L., Saravanakumar, M. S., & Anjana, G. (2021). Influence of parental anxiety on children's behaviour during their visits to dental clinic: A short clinical study. Bulletin of the National Research Centre,
- Busato P, Garbín RR, Santos CN, Paranhos LR, Rigo L. Influence of maternal anxiety on child anxiety during dental care: cross-sectional study. Sao Paulo Med J. 2017 Mar-Apr;
- AlQhtani FA, Pani SC. Parental anxiety associated with children undergoing dental treatment. Eur J Paediatr Dent. 2019 Dec
- Khawja SG, Arora R, Shah AH, Wyne AH, Sharma A. Maternal Dental Anxiety and its Effect on Caries Experience Among Children in Udaipur, India. J Clin Diagn Res. 2015 Jun
- Yigit T, Gucyetmez Topal B, Ozgocmen E. The effect of parental presence and dental anxiety on children's fear during dental procedures: A randomized trial. Clin Child Psychol Psychiatry. 2022 Oct