

NON-PHARMACOLOGICAL BEHAVIOUR MANAGEMENT

a narrative review

<u>Soares AD</u>, Perei ra JL, Rosa SM, Xavi er MT, Costa AL Faculty of Medicine, University of Coimbra



Introducti on

Behaviour management is essential in paediatric dentistry, basing itself on a set of techniques that improve communication, reduce anxiety and/or eliminate unwanted behaviour. If the child's behaviour is unstable, it may compromise the effectiveness of the treatments provided and the safety of all stakeholders. Establishing a line of communication - a cornerstone of the dentist-patient relationship - underpins specific behavioural management techniques, such as tellshow-do, voice control, positive reinforcement, distraction and desensitization. Selecting the specific technique(s) must then reflect the individual child's profile. A child's behaviour during paediatric dentistry is strongly influenced by age, personality, cognitive and motor development, bad life experiences, attitude and expectations of responsibility involved and the complexity of the treatment to be performed.

Methods

Ai m

Performing a critical literature review of the different non-pharmacological behaviour management approaches used in pediatric dentistry.

A search was performed using PubMed/Medline with the keywords "behaviour", "child", "basic communication techniques" and "pediatric dentistry" covering the last 10 years of English language publications with an indexed abstract.

Resul ts

The criteria used returned a total of 119 articles, 20 of which were selected following a process of content analysis on the available abstract. Most articles were narrative reviews or clinical studies. An additional 5 articles were added following a process of cross-referencing.

Based on the literature, paediatric patients can be classified according to their behaviour:

Cooperative:		Potentially cooperative:	Lacking in cooperative ability:
 Relaxed Not unduly concerned Show an understanding of the information given Easily adapt to new situations Quickly and easily build empathy 	. Tense-cooperative (from uncontrolled crying without apparent reason) children which are anxious but normally accept the treatment proposed) not communicate) ant (refuse treatment, want to "take control") woid visual contact and refuse the treatment)	 Emotionally immature Unlikely to understand the information they receive Children with special needs in the surgery
es on child behavior es on child behavior	contact. Tell-show-do : A technique understanding of the path followed by performing the Control: Hands some deg be respected immediately Positive reinforcement : Use	ree of control over the dentist's behaviour to the child, making the o y. es rewards (social and non-social) for desired behaviours to encoura Imitation: The child attends an appointment of another child or th with) who show acceptable behaviour.	ng language appropriate for the level of s of the procedure to be performed (show), dentist stop when a signal is given which must ge that they are repeated.
	Uncontrolled	 With) who show acceptable behaviour. Distraction Voice control: A controlled change in the volume, tone or rhythm 	of the voice, designed to

Voice control
Parent presence (absence: The presence or absence of the parent can sometimes be used to gai

Tell-show-do

unpleasant.

Distraction

Positive reinforcement

ledica	defiant	cooperation in the treatment. This decision is made after evaluating the expectations/wishes of the parents and the needs of the child, focusing on providing the best treatment possible.	sinesia
≥ Lacking in cooperative ability	Passive resistance	Tell-show-do Voice control	

influence, direct or change the behaviour of the child.

Distraction: Designed to distract the attention of the child from procedures which are likely to be

Verbal and non-verbal communication

Condusions and dinical implications

Tense-cooperative

Timid

Although behaviour management represents a key aspect of pediatric dentistry, there is a need to develop additional studies providing further evidence regarding the level of effectiveness of most clinically recommended techniques. Mastering these techniques leads to effective communication and helps alleviate the fear and anxiety experienced in the surgery. The majority of children can be treated using basic techniques of non-pharmacological behaviour management, while the benefits of using more complex techniques must be weighed against the potential risks.

References

Child's first

dental visit

history / Family influe

Potentially

cooperative

1. The biths vaciety of Padatatic Dentistry. Non-pharmacological behavior management. C Campbell, F Soldan A, Basurit H, Soldan A, Basu