INTRODUCTION

Oral health is a neglected avenue in front of overall health and has historically been low on demand of national policy makers. The reasons are complicated and many. In many countries, oral health is neglected in national health surveys. And, even though data are collected, it is usually alone notwithstanding the general health. Dentists have not taken due interest in promoting good oral health, preferring always to treat instead of preventing oral diseases. And, in the view that poor oral health causes morbidity rather than mortality, governments have given oral conditions little importance than other, more life-threatening diseases. Oral diseases can be prevented by taking effective measures throughout life. Taking adequate measures in home care and avoiding unhealthy lifestyle can lead to disease prevention. Prevention of oral disease is important and can be achieved. Science-based, simple, and cheaper preventive methods exist, but they need to be judiciously promoted and implemented. Counseling pediatric dental patients by using persuasion and confrontation mostly fails in promoting behavior changes.

Customary physician recommendation on health behavior is usually not met and can lead to regret in the mind of clinician and problem for patient. In 1983, research began on the use of motivational interviewing (MI). Motivational interviewing utilizes a patient-centric and direct approach that sees discrepancies between a person’s current attitude and their future perspective. A patient-centered talk facilitates discussion of psychological issues that might directly or indirectly have an effect on total health outcomes. Particularly, patient-centered communication, where patients’ interest is paramount, has seen to be with increased parental satisfaction, adherence to pediatric treatment recommendations, and disclosure of psychological diseases. Motivational interviewing is based on the communication and attitude between the patient and the instructor, which is an integral part of pediatric dentist.

WHAT IS MOTIVATIONAL INTERVIEWING?

Motivational interviewing is a way of talking with people about change related to things we often have mixed feelings about; it
can be anything from exercise, diet, and any other issue we face in our lives. Motivational interviewing is defined as “a collaborative conversation style for strengthening a person’s own motivation and commitment to change.” This approach embodies “a mind-set and a heart-set” that includes partnership, acceptance, compassion and evocation. Motivational interviewing is a guidance that tells people to examine their own values and behaviors and to learn if change is required in these. It does not try to persuade people to change but instead makes them think whether a change is required in their particular behavior. Based on multiple health theories, MI focuses on persons motivation, internal will to change, and reduction in reactance.

**ELEMENTS OF MOTIVATIONAL INTERVIEWING**

The core beliefs are:

**Spirit**

It is influenced by patients’ own motivation to change rather than the change being imposed upon them. So, the clinicians’ work is to support the patient in renaming and reframing the conflicting ideas, emotions, and attitudes whereas the patients’ job is to resolve his/her ambivalence. Spirit of MI integrates the principles of autonomy, collaboration, and evocation. Autonomy means the patient is left on his own, whether he wants the change to occur; clinician would not force. Collaboration is a positive relation between the clinician and the patient to allow change. The clinicians try to evoke good thoughts for patient to accept the change rather than educate and confront the patient. Here the role of clinician is more of listening than talking. When practicing MI, it is important to make the patients know their own reasons for change. This model of intentional behavior change provides a frame for knowing the stages of behavior change. In this model, it is suggested that changers progress through 5 stages: precontemplation (not yet considering change), contemplation (considering change), preparation (planning and committing to change), action (making the behavior change), and maintenance (maintaining and sustaining long-term change). Motivational interviewing requires the healthcare professionals to understand the patient’s stage on which to change to target their intervention effectively and efficiently.

**Principles**

The backbone of MI requires that healthcare professionals follow 4 principles: genuine expression of empathy, development of discrepancy between the patient’s current behavior and his or her treatment goal, rolling with the client’s resistance, and support of the patient’s self-efficacy.

- The clinician should show concern and understand what the patient conveys to him, i.e., being empathetic. This allows the patient to feel more comfortable and cared for and also allows them to open up more on the issues affecting them. In this, the clinician only patiently listens to the patient and should not interfere much in the talks.

- Another principal is to develop a discrepancy on where the patient is now and where he/she would like to be. Allow the patient to make own argument for change. This will help patient to identify own goals. The clinician then focuses on the goals that are healthy and feasible.

- The third principle is rolling with resistance. The clinician should not confront and argue with the patient. In doing so, clinician avoids tension between patient and himself.

- The fourth principle is to support self-efficacy. It shows optimistic views on change that can be made. If the patient believes the change is possible, then he will be more than willing to follow instructions. The clinician should believe in patients’ capacity to reach the goals.

**Elicit Change Talk**

Change talk is the patients’ expression of desire, reason, ability, or need to make a change in their oral health behavior. Responses to change talk provide the opportunity to explore options and affirm a commitment to change.

**Person-centered Communication**

Motivational interviewing strategies help achieve desired behavior change. This consists of OARS, i.e., asking open-ended questions, affirmations, reflective listening, and summaries.

- Open-ended question—in contrast to closed questions, which generally require a simple yes/no or numeric answer, open questions do not direct a patient to respond in a particular manner. Instead, they enable a patient to think through and provide richer, fuller responses. The conversation should be started with words like how or what or describe so that the patient does most of the talking.

- Affirmations—sincere affirmations can help build a stronger relationship with a patient. These are the statements and gestures that help the patient to recognize strength and acknowledge behaviors that lead to positive change, no matter big or small.

- Reflective listening—this demonstrates that the clinician has accurately heard and understood a patient’s communication. It also encourages further exploration of problems and feelings, thus strengthening the bond between the patient and clinician.

- Summaries—reinforces what has been said. Summary statements include trying to get the full picture of a patient’s behavior, followed by checking with patient, making sure that they feel the healthcare professional has reflected their situation accurately. Summarizing helps in integrating the communication that has occurred between the patient and provider.

**Relation to Pediatric Dentistry**

Motivational interviewing is goal-oriented style of addressing which is designed to increase personal motivation and commitment to health behavior change by knowing and exploring patient’s own reasons for needing a change. Motivational interviewing is found to be effective than no treatment and in most cases more efficient than even some active treatments. Pediatricians as well as pediatric dentists may be concerned that MI will take much of their time. However, once a professional learns the technique of MI, they will realize that this does not take longer period of time. Actually, it can be used in brief sessions effectively. The persons’ realization of good oral health behaviors will lead to decrease the risk of oral diseases. Health education might prompt in behavior change and the provision of oral health education lies with the dental professionals. In age-old health education scenarios, most of the healthcare professionals are trying in vain to increase the patients’ knowledge without intrinsic motivations of patient. It has been seen that only educating and recommending things to people are not enough for changing behaviors. That is why something more than knowledge and education is necessary.
to improve oral health. Motivational interviewing is a type of consultation which helps the patient change their behavior with maximum internal motivation while facing minimum resistance. This method first came into existence for addicts (alcohol or tobacco) and since then, has been used for changes in lifestyle including diet, exercise, and weight loss. Several studies have shown that this technique works effectively in changing health behaviors in different populations, and it can also be used to change oral health behaviors. Traditional approaches with the main focus to improve parental oral health knowledge have not been effective in improving preschool children’s oral health. Behavior change techniques (BCT), including face-to-face counseling, have been effective in almost all primary preventions. Behavior change techniques have been described as an observable, replicable, and irreducible component of an intervention designed to alter or redirect causal processes that regulate behavior. Though not strictly a theory of behavior change, MI does share some elements of the transtheoretical model (TTM) as proposed by Prochaska et al. Working with people of addictive behavior, the TTM was made so as to understand self-made and professionally assisted changes in health behavior. In spite of a big body of evidence from research works, the potential of MI in dental healthcare is not well understood. A recent systematic review on the effectiveness of MI compared to conventional health education (CE) suggests that MI outperformed CE in improving oral health behaviors in infants and preschool children, mainly in relation to oral hygiene, but not in dietary habits. The usefulness of MI in improving oral health may therefore still be considered controversial. Nevertheless, a recent evidence-based national clinical guideline for caries prevention from the UK states oral health promotion interventions should be based on recognized health theory behavior and models such as MI. Motivational interviewing can be used in pedodontistry for improved adherence to proper brushing techniques, flossing, and application of fluoride varnish.

The most common idea of caries among the general population is that of a cavity/hole in the teeth; moreover, parents tend to seek dental treatment/advice only after it starts paining or a swelling comes. Although restoration limits the destruction caused, it is unable to stop the pathological process of development of caries. Since the 1960s, dental practice has been mainly focused on preventing diseases. Educational methods for the promotion of health have been evaluated which have not been found to be effective in modifying habits or reducing caries and they cannot modify behaviors too. Here the MI can be more effective for prevention of caries in children. Weinstein et al. used this type of tool for the first time in application to preventive behaviors among the mothers of infants at a high risk of developing caries from an early age. Motivational interviewing is found to be effective than the available educational programs in preventing caries and decreasing bacterial plaque. It was also found that an intervention based on the principles of motivational interviewing style was more effective in reducing the number of surfaces affected by early childhood. Traditional dental health education approaches with a main focus on improving parental oral health knowledge have not been effective in improving preschool children’s oral health. Motivational interviewing has shown to be more effective in pediatric oral care through prevention. Here the parents are motivated to take care, letting them decide how to interpret and integrate information in the context of their lives own and social circumstances and whether it is relevant to their children. Despite MI being said to be better than traditional educational programs, there would be barriers to change like child’s nonacceptance of new brushing regimes, toothpaste use, and change from feeding bottle to cup. The use of MI as an additional tool to periodontal therapy may have a positive influence on clinical periodontal parameters and psychological factors related to oral hygiene (self-efficacy). Although not directly linked to behavior change, improving the knowledge and awareness of parents and caregivers is a key element of dental prevention in preschool children. Miller and Rollnick state that for a person to change, they must feel both confident in their ability to change and believe the change is important to them.

**Conclusion**

The MI technique has created an opening about the importance the patient attaches with a desired behavior and their confidence in changing that behavior. From this place, we can communicate about wishes, set specific goals, and simultaneously identify strategies to overcome barriers and build confidence. The parents as well as the child should show behavior change through MI to make the attempt of improving oral health worthwhile. Motivational interviewing is an effective tool in behavior change technique in controlling childhood dental diseases like ECC. Much work has to be done to improve the role of MI in disease prevention in children.

**References**


7. Weinstein P. Motivational interviewing concepts and the relationship to behavior change techniques used in face-to-face consultation which helps the patient change their behavior with maximum internal motivation while facing minimum resistance. This method first came into existence for addicts (alcohol or tobacco) and since then, has been used for changes in lifestyle including diet, exercise, and weight loss. Several studies have shown that this technique works effectively in changing health behaviors in different populations, and it can also be used to change oral health behaviors. Traditional approaches with the main focus to improve parental oral health knowledge have not been effective in improving preschool children’s oral health. Behavior change techniques (BCT), including face-to-face counseling, have been effective in almost all primary preventions. Behavior change techniques have been described as an observable, replicable, and irreducible component of an intervention designed to alter or redirect causal processes that regulate behavior. Though not strictly a theory of behavior change, MI does share some elements of the transtheoretical model (TTM) as proposed by Prochaska et al. Working with people of addictive behavior, the TTM was made so as to understand self-made and professionally assisted changes in health behavior. In spite of a big body of evidence from research works, the potential of MI in dental healthcare is not well understood. A recent systematic review on the effectiveness of MI compared to conventional health education (CE) suggests that MI outperformed CE in improving oral health behaviors in infants and preschool children, mainly in relation to oral hygiene, but not in dietary habits. The usefulness of MI in improving oral health may therefore still be considered controversial. Nevertheless, a recent evidence-based national clinical guideline for caries prevention from the UK states oral health promotion interventions should be based on recognized health theory behavior and models such as MI. Motivational interviewing can be used in pedodontistry for improved adherence to proper brushing techniques, flossing, and application of fluoride varnish.

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