PATIENT MANAGEMENT TECHNIQUES

Treating the Phobic and Anxious Dental Patient: Introduction to Havening Therapy



Steven J. Ruden, DDS



Ronald A. Ruden, MD, PhD

H very dentist has been confronted with the challenge of the anxious or phobic patient. Recent literature describes several approaches to making these individuals more comfortable and easier to treat. Those papers focus on the anxiety itself and attempt to down-regulate the fear response. Currently, three approaches are routinely used to address the concerns of the patient. First are the talk therapies, such as Cognitive Behavioral Therapy.^I This approach involves an interaction and a relationship between a trained therapist and a client. Second is Systematic Desensitization/Ex-

posure, where the individual is slowly introduced to the feared situation.² Third, medication can be used to alter the brain's neurochemical response to the exposure.³

This paper introduces a new therapeutic modality and suggests a neurobiological mechanism for its effectiveness. We call this Havening Therapy, as in "find a safe haven." This approach utilizes the extrasensory aspect of touch to alter pathways that create distress.

WHAT IS A PHOBIA AND WHY DO SOME PEOPLE HAVE THEM?

A phobia (from Greek: *phobos*, "fear") is generally defined as "an irrational, intense and persistent fear of certain situations, activities, things or persons."⁴ Phobic

anxiety is distinguishable from other forms of anxiety only in that it occurs specifically in relation to a certain object or situation. Anxiety is a physiological and psychological state characterized by cognitive, somatic, emotional and behavioral components. The physiological symptoms of fear include a rapid pounding heartbeat, widening of the eyes, pupil dilation, peripheral muscle activation and increased respiration.⁵ These symptoms are the observed responses to a complex neurobiological event generated within the mind of an individual.

This response, produced involuntarily by the brain, has only one objective: to flee from or defend against a fearful object or situation. These primitive responses were needed to increase muscle strength, increase blood flow and decrease the experience of pain. Over millions of years, evolution has perfected a cascade of neurochemicals such as norepinephrine, epinephrine, dopamine, and cortisol that are released into our bodies to prepare for flight or fight.⁶

For nonprimates, where predator and prey battle, there are 2 options: escape or die. In the primate/human species, a third option exists. Survive and not escape (abused child, traumatic dental experience). This third outcome can, for some people, become encoded as a phobia, which is one type of traumatization. Phobias are the response to a perceived



Figure 1. Acquiring thought of event and emotional context for 30 to 40 seconds,

encoded threat. How they form is beyond the scope of this paper, but suffice it to say that certain criteria must be met.

The most critical of these requirements is that escape is not to be perceived as possible. Without escape, there is no closure on the event. Cues and content by overlapping with the original event can reactivate feelings (ie, white coat syndrome). A stimulus that reactivates the emotional (fear) component of the traumatic event does so as if it were being experienced for the first time. This response to a previous event provides the opportunity to de-link the emotional component and find a safe haven.

When a nonhuman escapes a predator, the brain is flooded with serotonin.⁷ This primitive neurochemical allows for the brain to become calmer and inhibits a fear response, thus allowing for normative behavior. In humans, rising serotonin (meaning a safe place is found) on recall of the trauma allows for a disconnect between the emotions and memory. Thus, serotonin extinguishes the phobia.

HAVENING

Havening makes it possible to alter the response to a stimulus that would normally generate a fear response by using the extra sensory aspects of touch. It is well known that touch increases serotonin in the brain.⁸ Swedish massage has been shown to create

physically and mentally relaxed states by increasing serotonin and dopamine. It is this connection between serotonin and touch that forms the basis for treatment.

ACTIVATION AND DISPLACEMENT OF THE PHOBIA/ANXIETY

History taking is the key to removing the unwanted traumatically encoded pathway. Early traumas set the stage for current circumstances. To start the displacement, the initial sensitizing event must be found and activated. In dental phobias, the event quite often occurs at a fairly young age. Usually the patient can give a narrative of the experience and can see quite clearly the whole context of the event. The

fact that the memory is still so significant after so many years speaks to the high emotional content at the time of encoding.

PREHAVENING PROTOCOLS

If the patient cannot bring to mind a specific event, then have the patient focus on the current situation and feelings.

Have the patient bring to mind the entire circumstance involved with the memory or moment. The sights, sounds and smells should fill the subject's mind until she approaches being in that moment. The patient's eyes should be closed (Figure 1). The patient should also experience the emotional content of the moment. The "experience of fear" is the response to an unresolved trauma.

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HAVENING PROCEDURES

Allow 30 to 40 seconds to have the patient recall and "feel" the moment with eyes closed. Request a subjective unit of distress, which is a number from one to 10 which the patient will indicate the degree of "being in the moment." 10 represents being right there; 0 represents its disappearance. They should open their eyes and write down the number that they feel. The sequence that I find effective is found in the Table.

During this process I use an unmodulated, somewhat monotonous voice that is never hurried. I am always encouraging and never correcting when simple mistakes are made (Figure 2). I say, "Listen to the sound of my voice." Additionally, phrases in the same unmodulated tone, such as, "Almost home," and "You are excellent at this," are interjected while other sensory components are being stimulated.

This process is called havening. It includes kinesthetic components (touch and posture) that raise serotonin, as well as the distractive elements (humming, counting, eye rolling, and so on⁹) that cause displacement of the thought (emotional core).

THE KINESTHETIC COMPONENT (TOUCH AND POSTURE)

The touch is meant to be comforting, soothing, gentle, supportive, and produces a dramatic surge of serotonin in the brain. Light touch is best, and the movements should create a bond between the doctor and the patient. The patient should always be seated in a comfortable position. During the therapy, one can use different hand and arm positions such that it appears that the patient is either praying (Figure 3) or hugging oneself gently (Figure 4). During the havening touch component, the patient should be encouraged to allow the shoulders to drop and the jaw to become slack. This postural approach is useful for calming both the body and the mind. Light, sensitive stroking of the arms, hands, and head is the somatic aspect of the havening. (Figures 5 and 6)

THE DISTRACTIVE COMPONENT

At the same time, distracting thoughts and tasks are introduced to the moment displacing the present mindset. Try it yourself. Hum "Happy Birthday" out loud and count backwards from 20 in your mind. So only one thought can exist at a time! Eye rolling, humming a tune, counting backwards by multiple

Table. Havening Sequence



Figure 2. Initial counting backwards with gentle collarbone tapping—eyes closed,



Figure 3. Softly tapping and lightly rubbing the forehead with fingertips while humming a song—eyes closed.



Figure 4. Gently tapping while counting backwards from 30 by 3s—eyes closed.



Figure 5. Gently caress outside of the hands with eyes open—patient is rolling eyes: upper and lower right, upper and lower left, rolling clockwise and then counter clockwise then closing eyes.



Figure 6. Gently glide hands up and down on arm while using auditory distracting approach (counting, humming a song).

- Obtain an subjective unit of distress (SUD) and have the patient write the number on a slip of paper and close her eyes again (Figure 1).
- Tap on the collarbone and perform other havening processes while the individual counts backwards from 20 while visualizing walking down stairs or some other visual task (such as removing cups from a dispenser) with each number (Figure 2).
- Have the patient open her eyes and look down to the left, down to the right, look up, look down, roll her eyes in a circle and then roll them in an opposite direction. Close eyes.
- Have the patient hum a song out loud with eyes closed (eg, "Take Me Out to the Ballgame," "Old MacDonald Had a Farm," "Happy Birthday," etc.).
- Apply a havening stroke, eg, stroking forehead, arms, hands, and head simultaneous with the humming (Figures 3 to 6).
- Have the patient open her eyes and follow your finger up, down, and to both sides, then up again.
- Have the patient take a deep breath, exhale with an "ommm" and move your hand downward as she closes her eyes.
- Ask her to lower her shoulders and relax her jaw and stroke gently downward on the arms.
- Sit with the patient for 10 seconds with hands in lap (Figure 7).
- With the patient's eyes still closed, ask her to look at the back of her eyelids and listen only to your voice. Obtain another SUD.
- Repeat process until the SUD is zero or remains fixed at another number after 3 rounds.



Figure 7. Rest period 15 seconds after each round prior to asking for subjective unit of distress.

numbers causes an intense focus on the task at hand and slowly displaces the originally held thought. Sit with the patient for 10 seconds with palms up and your hand on top of palms (Figure 7). Repeat the process 3 times and obtain the SUD after the third round. After 3 rounds say "when you are ready open your eyes."

This combination of activation of the memory and its emotional core, along with the increase in serotonin, creates the window for disrupting the linkage which has been encoded at the time of traumatization. The distraction displaces the thought from working memory and inhibits further responsiveness. Since the exact circumstances of the previous traumatizing moment cannot be replicated, the memory fades and becomes a simple memory without emotional context and is unable to produce a fear response.

After havening, the patient feels calm. Following the havening process to ensure the memory and the stimulating cues are removed, the patient is asked to attempt to recapture the same feelings he or she had at the start of the process. Invariably, the patient will be unable to recall the previously thought experience and may present in one of 3 ways: (1) the thought is gone, (2) the thought is looked at from above with no emotional content, or (3) the thought is fuzzy. The patient finds a safe haven. When this is accomplished, the phobia disappears forever.

It is the authors' experience that these techniques work extremely well when used with patients who present with varying degrees of anticipatory anxiety. Most of the therapy can easily be done in the dental chair using the above protocol. You will find that the patient is more relaxed and ready to accept care. One or 2 repetitions should be sufficient to achieve significant results. After years of experience this nondrug therapy has been shown to be safe and effective. For further information, scientific foundation, and testimonials go to www.healingthemind.net.

CONCLUSION

A technique has been demonstrated that utilizes the patient's thoughts, emotions, and the extra-sensory components of touch to modify encoded pathways to disrupt and eliminate unwanted responses from previous traumatic experiences.

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Dr. Steven Ruden graduated New York University in 1971. He is the director of the Sea Cliff Health Center. His education includes 2 years' training in periodontics at Albert Einstein College of Medicine: advanced studies at The LD Pankey Institute and continuing education at Lund University in Malmo, Sweden. As director of the dental implant program at Nassau University Medical Center (1986 to 1998), he created and developed many of the procedures in use today and trained a generation of implant dentists. Dr. Ruden is a certified hypnotherapist, which enables him to address many phobias that interfere with patient's ability to accept optimal dental treatment. He can be reached at drruden@seacliffdentist.com.

Dr. Ronald Ruden started his academic career in 1971 when he earned his PhD in organic chemistry. He then joined Nobel Laureate E.J. Corey at Harvard where they developed new advanced synthetic methods and pioneered computer modeling in chemical synthesis. Two years later, he was asked to join the faculty of Rutgers University. At Rutgers, he became interested in medical research and received his MD from Mt. Sinai School of Medicine in 1979. He took a Fellowship in Nutrition at Sloan Kettering Cancer Center, and during his first year he chaired an international symposium on cancer and nutrition. He is a published author, and his first book, *The Craving Brain*, is in its second edition and odvesses issues pertaining to addiction and obesity. Dr. Steven Ruden is the contact author for this article.

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