

TheraBite Therapy

The TheraBite Jaw Motion Rehabilitation System is a portable system which utilizes repetitive passive motion and stretching to restore mobility and flexibility of the jaw musculature, associated joints and connective tissues. It is a clinically proven effective system that helps increase the jaw opening and decrease the pain.

Numerous clinical studies have demonstrated the benefits of the TheraBite System. The TheraBite System is designed to accomplish two treatment objectives:

1. Increases Range of Motion of the Jaw:

Stretches connective tissue

Fibrous scar tissue causes tightening of muscle and joints and requires stretching to re-align the collagen fibers within. The TheraBite system provides passive repetitive stretching to lengthen and reform these fibers and does so in an anatomically correct fashion.

Strengthens weakened muscles

Muscles that have suffered use from disuse atrophy require strengthening across the full range of motion. Using passive range of motion exercises, the TheraBite system helps to increase muscle mass and endurance.

Mobilizes joints

Joints that have been immobilized can undergo degenerative changes in a matter of days. The TheraBite system can safely mobilize the temporomandibular joint across its full range of motion via passive motion.

2. Pain Reduction

Reduces joint inflammation

Immobilized joints lead to the thickening of synovial fluid and thinning of cartilage. This stiffening of the joint ultimately leads to inflammation and pain. Exercising with the TheraBite system activates anti-inflammatory agents that promote joint lubrication and reduce inflammation and pain.

Reduces muscle pain

Muscle pain (myofascial pain) is usually caused by inflammation which creates abnormal pressure on nerves, muscles, and bones. This inflammation process can be corrected through passive motion exercises. Rehabilitation with the TheraBite system has been proven to reduce joint and/or muscle pain in as little as two weeks of therapy.

Treatment Programs

A treatment program is chosen according to the medical condition of the patient. A typical patient will gain from 1-4 mm of jaw opening ability in the first session; however, this gain is likely to be lost within the next few hours. Only by continuing to stretch and mobilize the jaw for several sessions per day can any lasting benefit be achieved. Increased pain during the exercises should be avoided, as it can result in muscle guarding that may impair the effectiveness of the therapy and reduce compliance.

The average sustainable gain is around 1-1.5 mm per week. Thus, to achieve 10 mm of sustainable gain, a patient may need to exercise from six to ten weeks. The number of daily exercise sessions with the TheraBite system typically decreases over time. Ultimately, many patients are usually able to maintain the gain they have achieved by using the device just once or twice a day.

A commonly used treatment program for persons with limited jaw mobility is "7-7-7"; 7 stretches performed 7 times per day, each stretch held for 7 seconds. Although repetition is central, this program takes no more than 10 minutes per day.

TheraBite is suitable for trismus patients, features longer stretches in a sequence of "5-5-30": 5 stretches performed 5 times per day or more, each stretch held for 30 seconds.

Regular monitoring, review, and evaluation by a properly trained clinician is essential for all treatment programs. Depending on a patient's condition and the judgment of his/her clinician, the type of program required may be modified over time.

Benefits using TheraBite

Anatomically correct

A unique feature of TheraBite system is its ability to follow natural curved motion of the jaw. The patented curved track of the TheraBite Jaw Mobilizer guides the mandible along an anatomically correct pathway.

Patient controlled

When using the TheraBite system, the patient is in control. Speed and opening range can be adjusted directly by the patient, using manual force, or the Fine Adjustment Knob. This feature helps to reduce anxiety levels and improve compliance.

Portable

The TheraBite system is durable and lightweight. It can be conveniently stored in the Carrying Bag provided for patients to continue their rehabilitation program wherever they go.

Load-bearing comfort

The mouthpieces are attached to the Jaw Mobilizer and are designed in such a way that the load-bearing forces of stretching spread across the teeth. This, together with the Bite Pads, promotes a comfortable and even stretch while protecting the patient's teeth.

Effective

Passive motion and stretching exercises with the TheraBite system are clinically proven to be an effective form of jaw therapy. It has been used with success by thousands of patients suffering from more than 30 different conditions, ranging from post-radiation trismus to orofacial pain.

Shayona ENT

JAY CHAVDA, MD

Exceptional credentials | Innovative solutions | Compassionate care

For all ages

The TheraBite Jaw Motion Rehabilitation System is available in an adult and a pediatric version. The pediatric version has smaller mouthpieces that are more suitable for patients with a smaller mouth.

The TheraBite System

Bite Pads

The self-adhesive Bite Pads spread the force across the teeth and can be trimmed for customized protection. The Bite Pads come in adult, pediatric and edentulous versions.

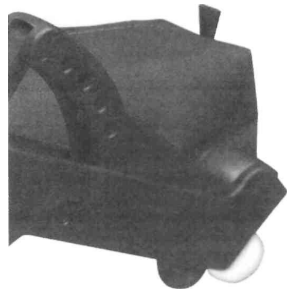


Range of Motion Scales

The disposable Range of Motion Scales allow the patient and his/her clinician to make jaw opening measurements and to monitor progress.

Carrying Bag

The durable nylon Carrying Bag keeps the TheraBite system and accessories together.



Range Setting Arm

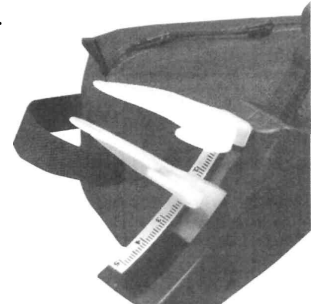
The position of the Range Setting Arm can be adjusted between 25-45 mm and is used to determine maximum opening appropriate to each stage of rehabilitation.

Fine Adjustment Knob

The Fine Adjustment Knob can be used to regulate opening speed and distance if needed.

Patient Progress Log

The daily and monthly Patient Progress Log enables the user and his/her treating clinician to monitor progress.



Hand-Aid

The Hand-Aid assists the patient in maintaining constant opening during stretching or strengthening programs.





Evidence and Experience

Atos Medical continually initiates or participates in clinical studies all over the world. This is made possible through our close cooperation with ENT specialists and patients. Patients and doctors alike can lean on our clinical evidence. Clinical evidence is an important part of a doctor's daily practice.

With clinical studies as guidance, the doctor knows what to expect of the product; how long it will last, the advantages of different materials etc. This will in turn have a positive influence on the treatment of the patients.

More than 20 years in the field of ENT has given us a vast knowledge of medical conditions, treatments and products. Our on-going dialogue with patients and clinicians means that we can always be a step ahead, using our first-hand information for successful R&D. We also have the production facilities and the people to put our experience to work. Knowledge leads to better treatment, and better products. That's why we are market leaders in many areas.

Atos Medical continues to work with the same goal in mind; collecting scientific evidence for new innovations and gaining further experience.