

## Self Care Program for Temporomandibular Disorders (TMD)

The jaw meets the upper skull in front of the ear. The joint that connects them is called the Temporomandibular Joint (TMJ). The initials refer to the joint itself, and do not refer to a diagnosis. (Everyone has two: TMJ's but no one has "TMJ"). People with jaw problems can have problems in their TMJ(s) and/or the muscles of their jaw.

Noises in the jaw joint that are in the TMJ are extremely common in the general population. Joint problems, involving the TMJ, are slightly more common in woman than men. Like any joint, (hip, shoulder, and wrist), the TMJ or muscles in your jaw can be strained or injured. The injury can be the result of a specific trauma to the jaw or can result from prolonged micro-trauma from oral habits. There are also other causes for jaw problems as well.

Once a joint or muscle is strained, it can be easily re-injured (like a sprained ankle which is subsequently more prone to injury). Because we use the jaw for so many activities (talking, eating, yawning, and laughing), the joint and the muscles are constantly moving. Therefore, TOTAL relaxation of the jaw joint and surrounding muscles is difficult. Holding the jaw muscles and joints in a relaxed position is, however, very manageable with practice. Regular attempts to relax the jaw muscles, and avoidance of activities that would overwork the area, will be helpful to reduce the pain and prevent additional strain to the area. The following suggestions should help.

1. Apply moist heat for 15-20 minutes two to four times each day to the painful area. For example, microwave a gel pack or hot water bottle and a wet towel until they are very warm. Wrap the towel around the gel pack/hot water bottle and put it on both sides of your jaw going under your chin, or to one side and then the other side of your jaw. This should feel very warm but comfortable. Also try using ice wrapped in a very thin cloth (or not cloth) for 5-10 minutes two to four times each day. The ice may initially give you a "burning" sensation; this is normal. Keep the ice on the painful area only until you feel some numbness, and then remove it. Heat or ice can reduce joint or muscle pains and relaxes the muscles. You may also find that cold followed with heat is useful. Experiment.

2. Eat a PAIN-FREE diet. Avoid hard foods, such as French bread or bagels. Avoid chewy foods, such as steak or candy. Cut fruits into small pieces and steam vegetables. Chew with your back teeth rather than biting with your front teeth. Eat anything you want as long as it does not cause pain or locking in your jaw. If "normal" food causes pain, put any food you like in a blender and start on grind. Blend the food to the chewiest consistency that does not cause pain or locking in your jaw. Do not stay on a soft diet to long or the muscles that control jaw movement may atrophy. Periodically increase the hardness/chewiness of your diet as tolerated. Discuss the details of your diet with your doctor.

3. Chew your food on both sides at the same time to reduce strain on one side. Specifically, cut your food into its normal size, cut that in half and put one piece on both sides of your mouth and chew. This will take practice since everyone has a dominant side on which they chew.

## Self Care for Temporomandibular Disorders (Continued)

4. TONGUE UP, TEETH APART AND JAW MUSCLES RELAXED. The teeth should never be touching/resting together except occasionally they touch lightly with swallowing. We suggest that you closely monitor your jaw position during your waking hours so that you maintain your jaw in a relaxed, comfortable position. This involves placing the tongue lightly on the top of your mouth wherever it is most comfortable while allowing the teeth to come apart, and relaxing the jaw muscles. Often putting your tongue gently on the top of your mouth where you softly say "n" is a comfortable position.
5. Avoid Caffeine. Caffeine is a "muscle tensing" drug and can make your muscles feel tighter. Caffeine or caffeine-like drugs are in coffee, tea, soda, chocolate and some aspirins. Decaffeinated coffee typically has half as much caffeine as regular.
6. Avoid oral habits that put strain on the jaw muscles and joints. These include teeth clenching, teeth grinding, touching or holding the teeth gently together, biting cheeks/lips, pushing your tongue against teeth, or jaw muscle tensing. Also, avoid biting on objects like pens or pencils. DO NOT CHEW GUM.
7. Avoid resting your jaw on your hand.
8. Avoid activities which involve wide opening of the jaw such as yawning. When you feel like yawning, put your tongue hard against the top of your mouth and let your mouth open as far as it can without letting your tongue off the top of your mouth. You can also put your hand under your jaw to limit the opening. Prolonged dental treatments with your mouth open should be avoided, if possible, until the pain has been reduced or eliminated.
9. Avoid stomach sleeping since this puts strain on the jaw and neck muscles. Sleeping on your side is ok as long as you do not put a force on your jaw. Sleeping on your back is best.
10. Use anti-inflammatory and pain reducing medications like ibuprofen, acetaminophen and aspirin (without caffeine) to reduce joint and muscle pain as per your doctors suggestions.
11. Calcium is very important for the healing and the health of your TMJ and jaw muscles. Calcium comes in many sources including dairy products and certain vegetables. Three large glasses of milk per day is a great way to get enough calcium. Supplements can be used up to 1200 mg per day.

\*\*RECOGNIZE THAT THIS IS NOT A LIFE-THREATENING SITUATION, EVEN THOUGH IT CAN BE VERY UNCOMFORTABLE. INJURY TO THE TMJ AND JAW MUSCLES IS EXTREMELY COMMON, AND LOCKING OF THE JAW IS NOT UNCOMMON. MOST OFTEN THESE SYMPTOMS WILL IMPROVE OVER TIME. CHANGING HABITS, RELAXING THE AREA, AVOIDING ADDITIONAL STRAIN OR INJURY AND DOING THE ABOVE SHOULD SPEED UP YOUR RECOVERY CONSIDERABLY.