

THE **TMJ SYSTEM**™

BY MYOFUNCTIONAL RESEARCH CO.

immediate and effective diagnosis and treatment

“ Now I can really
treat TMJ patients –
NOT send them away.”



Studies show that 35% of the population, including adolescents, suffers from varying degrees of Temporo Mandibular (TM) joint disorder. Correct diagnosis often eludes these patients as they go through medical and dental routes to seek symptom relief. The **TMJ System™** by Myofunctional Research Co. allows for immediate and effective diagnosis and treatment.

Immediate

Diagnosis and treatment using the two splints of the **TMJ System™** requires minimal chair side time, and is applied at the first consultation visit. The muscle and joint palpation procedure provides instant diagnosis.

Whether the symptoms are clicking, TM joint problems, or chronic head and neck discomfort, patients want symptom relief. The newly updated **TMJ System™** by MRC solves many of these problems immediately.

Effective

The **TMJ System™** is a two phase (Hard and Soft Splint) system. Effective treatment relies on joint decompression, relaxation of cranio-mandibular muscles and correction of causes such as myofunctional and parafunctional habits.

A soft splint is better for treating the cranio-mandibular muscles (extra-capsular) and a harder splint is better for the TM joint (intra-capsular problems).

Comfortable

The appliances in the **TMJ System™** have particular features that make them both easy to fit and comfortable to use. The low profile and tight fit features of the **TMD APPLIANCE™** allow clear and easy speech ideal for use during the **day**. The **TMJ APPLIANCE™** is a flexible, prefabricated appliance ideal for **night** time use. The **TMJ-MBV™** with the frontal airway feature is ideal for the mouth breather and snorer.

For more information on Temporo Mandibular Joint Disorder, visit:

www.myoresearch.com

Daytime: TMD

The **TMD APPLIANCE**[™] is hard, semi-flexible and **customisable** to the individual patient. Using dual layer technology developed by MRC (inner and outer layers) the TMD APPLIANCE[™] can be adapted to the correct bite even if teeth are missing.

Once heated in boiled water for 2 minutes, it is fitted to the patient's lower arch and the bite customised to the patient's requirements. Being low profile with a tight and comfortable fit, the TMD APPLIANCE[™] **allows clear and easy speech**, and is ideal for day time use. Best used in combination with the night time TMJ APPLIANCE[™]. The TMD APPLIANCE[™] also features an aerofoil shaped base for joint decompression, making it appropriate for intra-capsular symptom relief and treatment, reduction of jaw clicking, acute TM joint symptoms, and can also be used when molars are missing.



TMD APPLIANCE[™]



Nighttime: TMJ

The **TMJ APPLIANCE**[™] is **prefabricated**, soft, flexible (medical silicone), easy to wear and fitted immediately by the patient (**zero chair time**). Using the muscle and joint palpation procedure (see video on www.myoresearch.com) it offers immediate diagnosis and effective treatment for TM joint disorder. The TMJ APPLIANCE[™] assists in correction of both myofunctional and para-functional habits.

It has the double mouth guard effect or vertical sides, which limits bruxing; and the Myofunctional Effect[™] with the tongue tag and tongue guard stops tongue thrusting, grinding, reverse swallowing and other tongue habits which are thought to be major contributing factors in TM joint disorder. The TMJ APPLIANCE[™] also has an aerofoil shape base for joint decompression. Recommended use is generally one hour daily plus night-time while sleeping. It is also recommended for muscular and extra-capsular symptom relief.



TMJ APPLIANCE[™]

The **TMJ-MBV**[™] **Appliance** is a special version of the TMJ APPLIANCE[™] modified for the mouth breather and snorer, which incorporates a thicker base at the molar area. This opens the bite by approximately 4.5mm. In addition it has a large **frontal airway** which allows for mouth breathing while the TMJ-MBV[™] is in place.



TMJ-MBV APPLIANCE[™]



Treatment of the TM Joint and craniomandibular muscles

The treatment with these appliances covers both intra-capsular and extra-capsular TMJ treatment. Although some variations of this disorder in the individual patient would lead towards treatment with either primarily the TMJ APPLIANCE[™] or the TMD APPLIANCE[™], the use of the two phase system covers the dual complexity in diagnosis whether the problem is just the Joint (intra-capsular) – clicking, discomfort in the joint or limited opening, or a cranio-mandibular/MPD type disorder (extra-capsular). These two categories are often so overlapped that the majority of patients have both intra and extra-capsular symptoms and causes.



INTRA-CAPSULAR



EXTRA-CAPSULAR

For more information, visit www.myoresearch.com