









Local Muscle Soreness

- history -

- 1. The pain began several hours or days following an event associated with protective co-contraction. (e.g. altered sensory input, high crown)
- Tissue injury (injections, opening wide, or unaccustomed muscle use - pain may be delayed).
- 3. Secondary to another source of the pain.
- 4. Associated with an increased level of the emotional stress.

Local Muscle Soreness

- clinical characteristics -

- Structural dysfunction: a decrease in the velocity and range of mandibular movement. The full range of movement cannot be achieved by the patient. Passive stretching by the examiner can often achieve a more normal range of movement (soft end feel).
- 2. Minimal pain at rest.
- 3. Increased pain with function.
- 4. Local tenderness to palpation.

Local Muscle Soreness

- treatment -

- The general goal of therapy is to reduce sensory input that can lead to cyclic muscle pain by:
- 1. Eliminate any ongoing altered sensory or proprioceptive input.
- 2. Education patient and encourage physical self regulation.
- a. decrease jaw use to within painless limits.
- b. stimulate proprioceptors with normal muscle use.
- c. promote emotional stress awareness / reduction.
- d. encourage reduction of non-functional tooth contacts
- (cognitive awareness).
- Occlusal appliance therapy.
- 4. Considered the use of mild analgesics. (ibuprofen 600mg tid)

Local Muscle Soreness

- treatment -

Expect results in 1-3 weeks. If the therapy is not successful, consider that either:

1. The etiologic factors are not being controlled or

2. You have misdiagnosed the disorder.

Final Criteria for the Stabilization Appliance

- 1. The appliance is stable and retentive.
- 2. All the teeth contact evenly on flat surfaces.
- 3. Eccentric contacts are on the anterior teeth
- 4. In the upright position, posterior teeth contact heavier than the anterior teeth.
- 5. The appliances smooth and polished.



Okeson TX of TMD

Week	Managing the patient with Local Muscle Soreness	
	VAS	Treatment
0	6/10	education, physical self regulation
		reduce use to painless limits
		reduce non functional tooth contacts
		introduce the stabilization appliance, night time use
1	3/10	reinforce physical self regulation
		reevaluate the stabilization appliance, adjust PRN
2	1/10	reinforce physical self regulation
		reevaluate the stabilization appliance, adjust PRN
3	0/10	reinforce physical self regulation
		reevaluate the stabilization appliance, adjust PRN
A	0/10	What do you do nave?























Okeson TX of TMD

Two very important questions that influence treatment considerations.

⇒ 1. What is the etiology of disc derangement disorders?

2. Are disc derangement disorders always progressive?



b. Orthopedic Instability

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Long-term Outcome of Disc Displacement with reduction

- conclusions from results of long-term studies -

Our goal should be to help the patient adapt the retrodiscal tissues by reducing loading forces.

- 1. Educating the patient to the problem
- 2. Reduce heavy chewing
- 3. Reduce non-functional tooth contacts
- 4. Appliance therapy

Anterior positioning appliances may be helpful but only on a part time basis.

How should anterior positioning appliances be used in patients with anterior disc displacement with reduction?









