



### The AQUALIZER Hydrostatic Splint

Water perfectly balances and equalizes occlusal force input, freeing muscles.





The Aqualizer is a pre-made, temporary, and emergency, self adjusting TMD/ occlusion splint, used for acute pain relief, differential diagnoses and bite registration.

The Aqualizer's new approach uses the body's own physiologic mechanisms to give us the most natural mandibular placement for centric occlusion. The clinician makes no decisions regarding the horizontal, saggital, and AP positions, but is responsible for determining the best open vertical dimension with the aide of the Aqualizer.



#### PRE-MADE, EMERGENCY AND TEMPORARY SPLINT

PAIN RELIEF, DEPROGRAMMING, OCCLUSAL CORRECTION AND DIFFERENTIAL DIAGNOSES





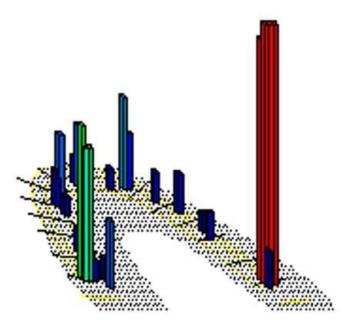
WATER BALANCE FLOATS THE JAW RELAXING MUSCLES

### INSTANT BALANCING OF OCCLUSAL FORCES

**NEW PROOF!** TEKSCAN II CLENCH FORCE TEST

#### BEFORE

**UNBALANCED NATURAL OCCLUSION** 

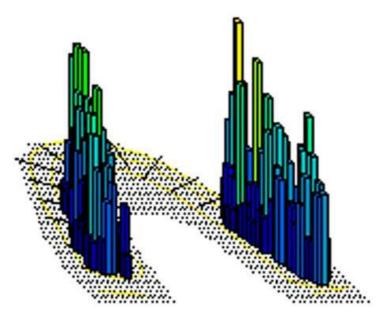


#### **BEFORE AQUALIZER**

- SEVERE OCCLUSAL IMBALANCE
- MANDIBULAR DISPLACEMENT
- SEVERE MUSCLE ACCOMODATION

#### AFTER

PATIENT WEARING AQUALIZER BALANCED OCCLUSION



#### **AQUALIZER'S INSTANT BENEFITS**

- OCCLUSAL BALANCE RESTORED
- MANDIBULAR DISPLACEMENT ELIMINATED
- MUSCLE STRAIN ELIMINATED

### INSTANT IMPROVEMENT IN MUSCLE ACTION

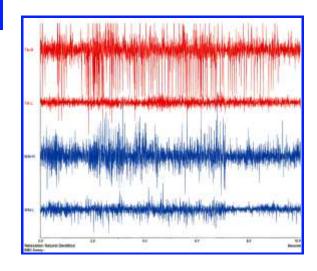
**BEFORE: NATURAL DENTITION** 

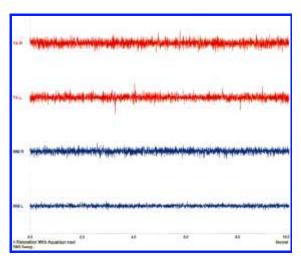
AFTER: WEARING AQUALIZER

#### **EMG RELAXATION TEST**

- HYPERACTIVITY
- INABILITY TO RELAX
- BILATERAL IMBALANCE

**IMPROVES IN MINUTES** 

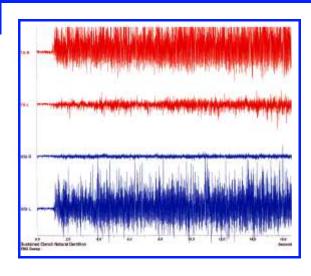


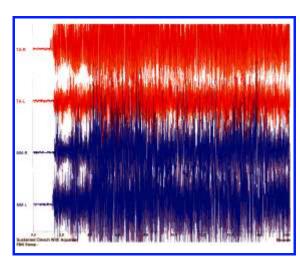


#### **EMG CLENCH TEST**

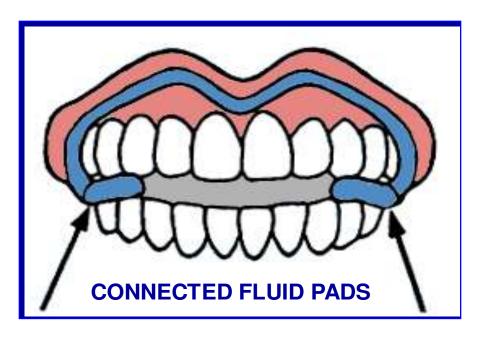
- GREAT INCREASE IN STRENGH
- BILATERAL BALANCE RESTORED
- MUSCLES RESTORED TO NORMAL

**INSTANT IMPROVEMENT!** 





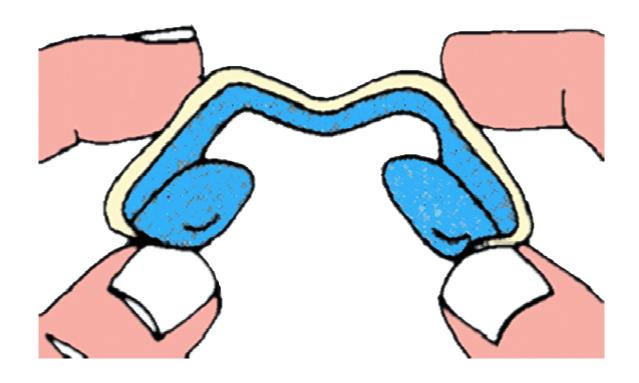
# The Aqualizer Easily and Comfortably Fits into Place





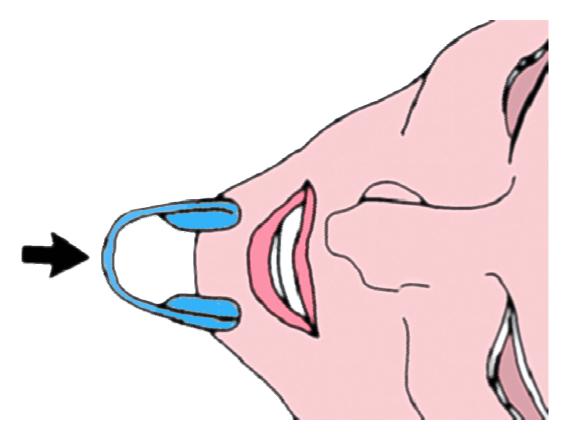






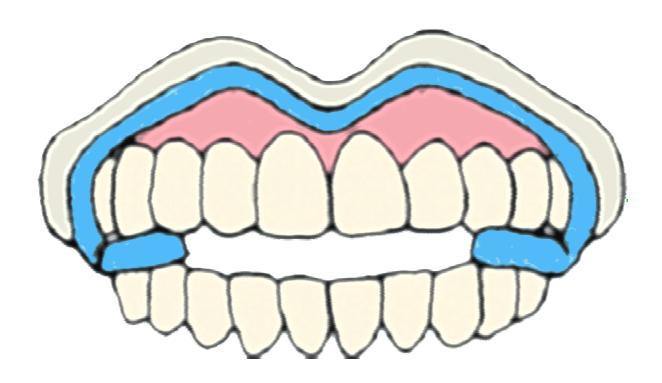
Remove the Aqualizer from its card. Hold the Aqualizer padded side up, bending it into a horseshoe shape as shown above





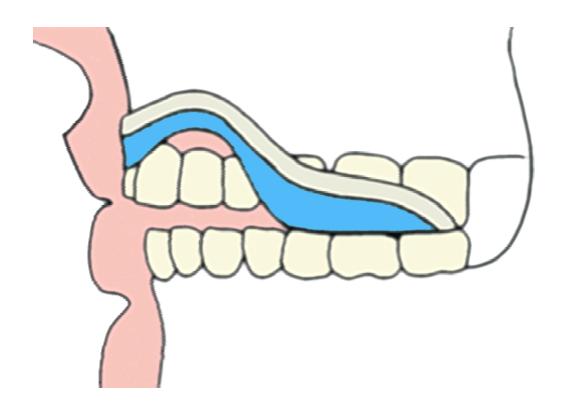
Insert the Aqualizer into the mouth, pads first, tucking the "V" shaped curve under the upper lip, centered left to right.





Front view showing fluid pads between upper and lower arches





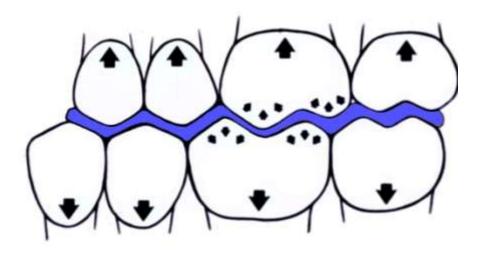
Side view showing fluid pads between posterior upper and lower arches





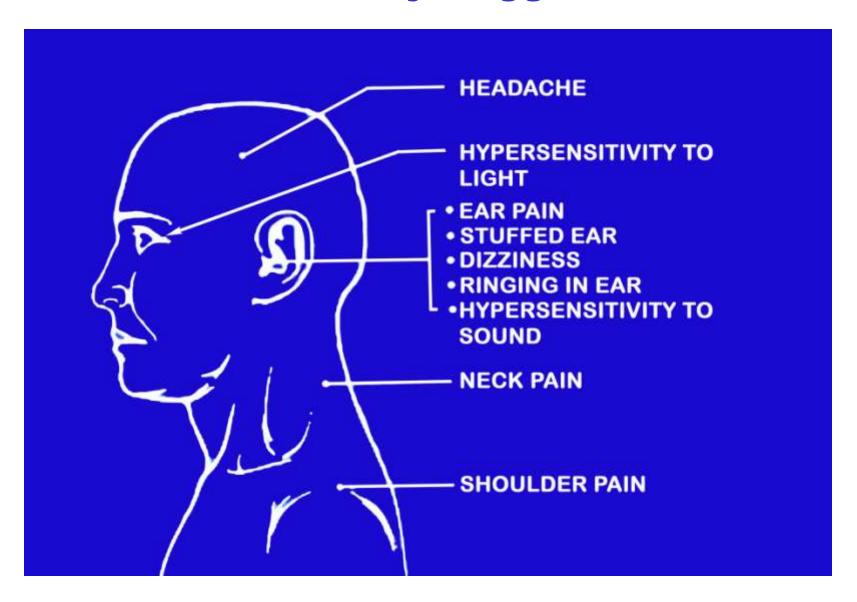
### Bilateral flow of water in an Aqualizer balances the bite

No prematurities, no bilateral imbalances, no cuspal restriction, combined with unrestricted mandibular migration lets the muscles de-accommodate completely.



Hydrodynamic equalization and axialization of occlusal forces in an Aqualizer.

# Up to 80% of These Symptoms are Occlusally Triggered



# With the Aqualizer in Place Muscles Relax, Relieving Pain and Spasm

The muscles re-organize in seconds to move into the most relaxed and comfortable position. The fluid system frees the muscles from the need to respond to other forces. Muscle pain diminishes rapidly and muscle spasm is eliminated, only if the cause is the occlusion (the way the patient's teeth "fit" together.)



The Aqualizer is highly valuable when utilized as a diagnostic device to determine if the patient's head and neck pain have dental origins. This appliance eliminates proprioceptive, accommodative responses from the muscles and periodontal ligament connection. Also, it permits freedom of the muscles to find the most functionally generated, comfortable position while providing posterior occlusal support to maintain healthy joint loading. It is not a cliniciandirected positioning of the mandible but a musculoskeletal dictated position. This allows the patient to find his or her most comfortable position or posture of the mandible, and the occlusion is designed to match this position.

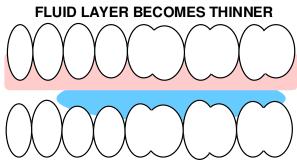
### **AQUALIZER GUIDED EQUILIBRATION OF RIGID SPLINTS**

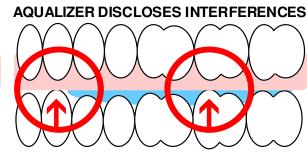
#### FIRST APPOINTMENT



#### FOLLOWED BY ONE WEEK OF WEAR

upper rigid splint shown

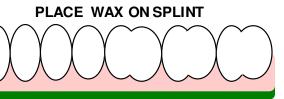


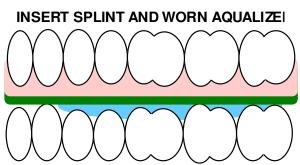


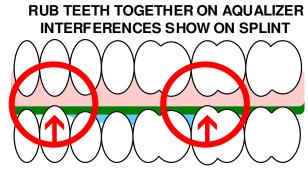
#### **SECOND APPOINTMENT**

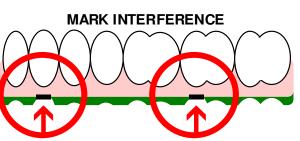


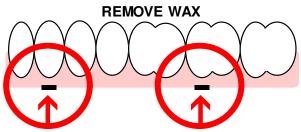
#### IN-OFFICE ADJUSTMENT OF RIGID SPLINT

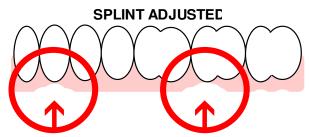




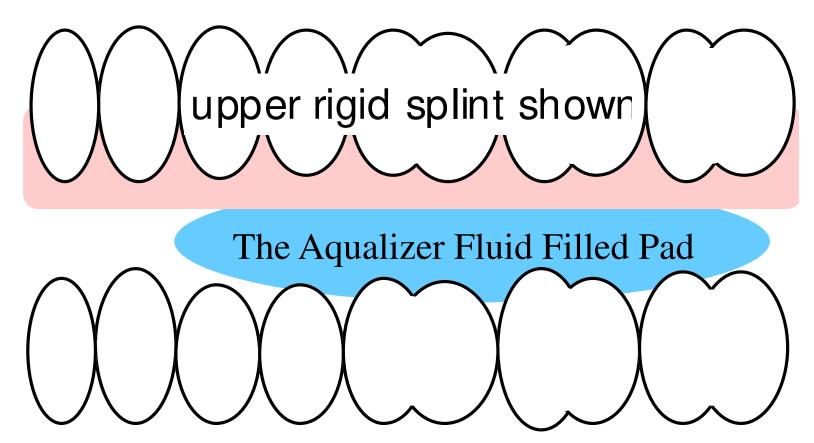






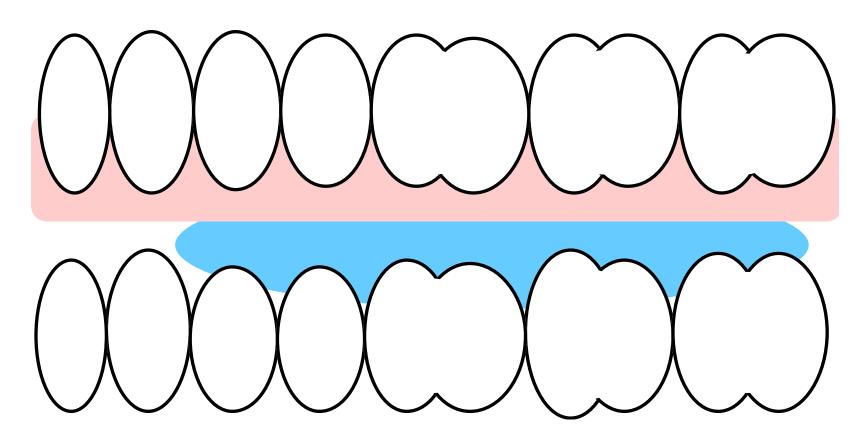


### Equilibrating a Splint Using the Aqualizer



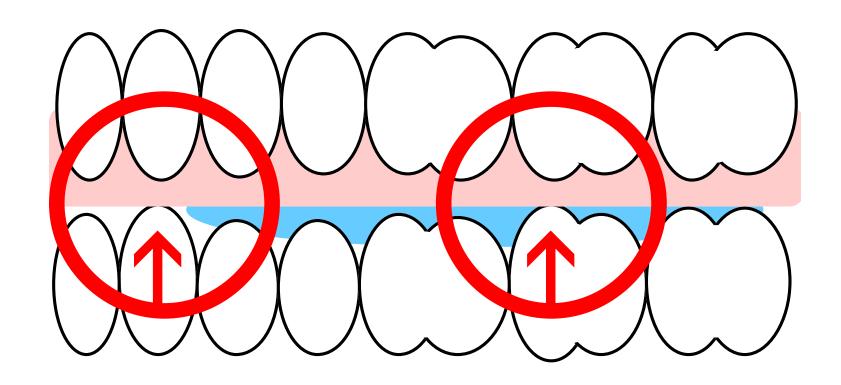


### Teeth Hold the Aqualizer in Place



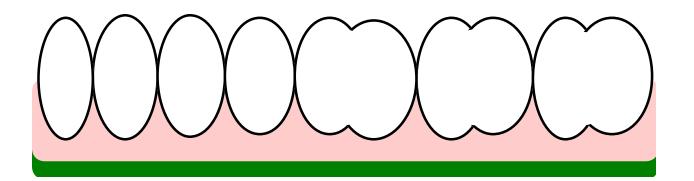


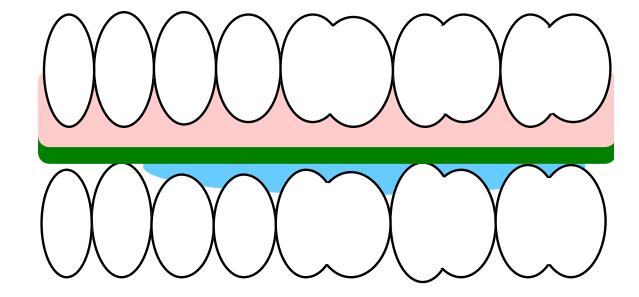
### Teeth Occlude into the Splint Showing Premature Contacts





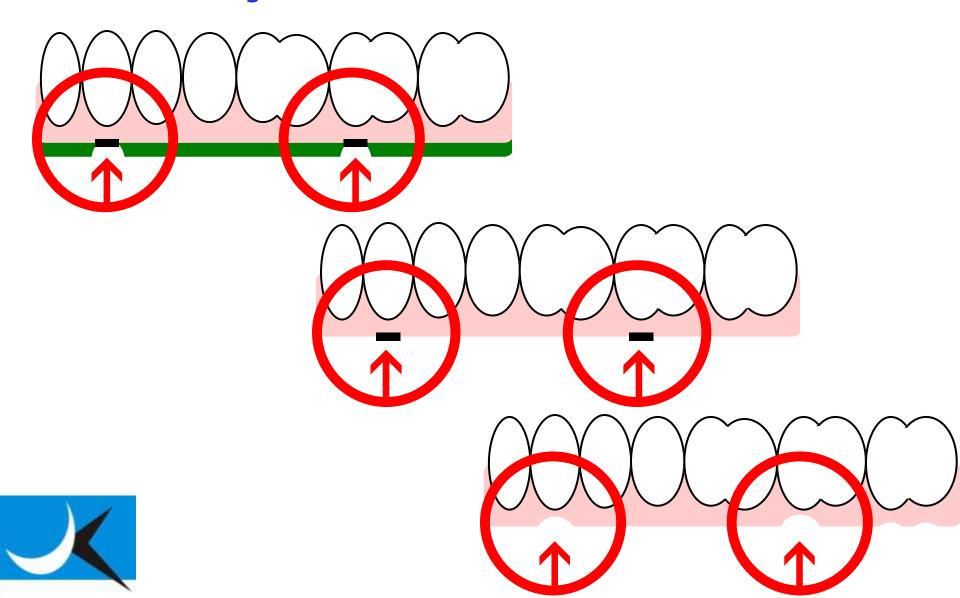
# Marking Premature Contacts Using Kerr's Occlusal Indicator Wax



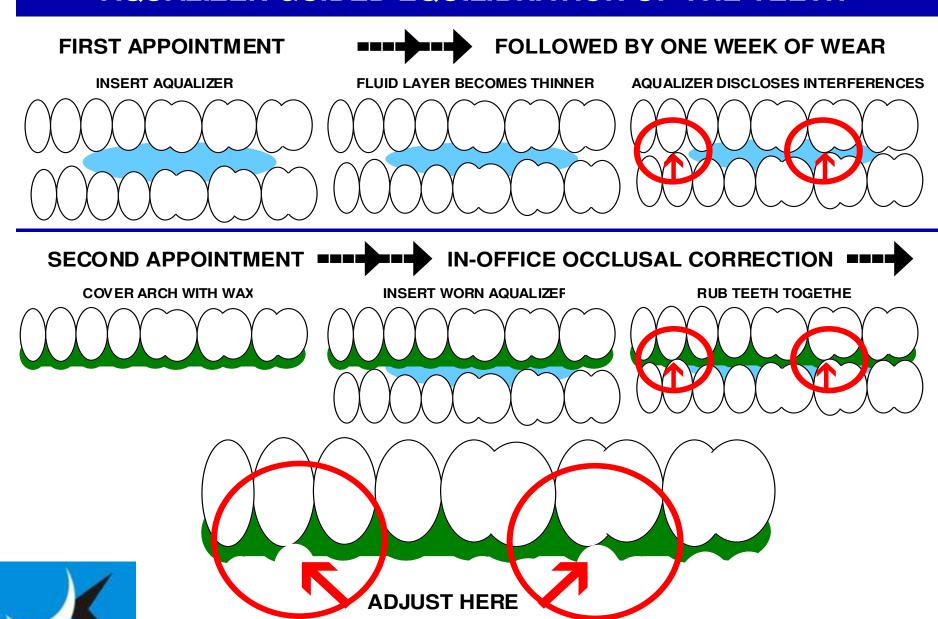




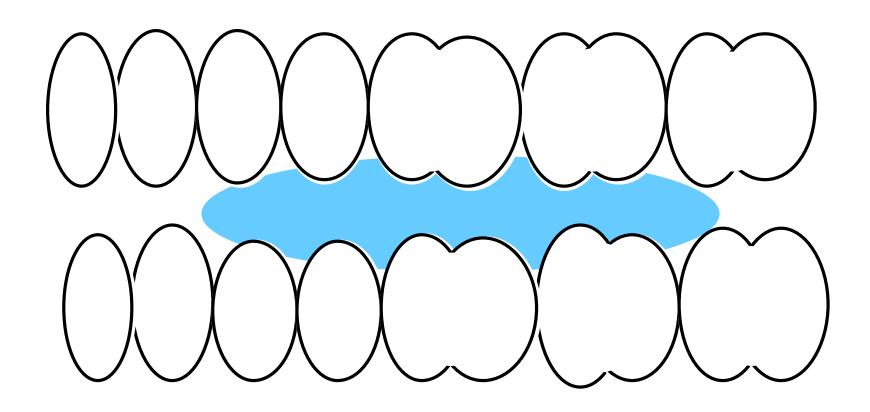
# Indents in the Wax Show Where Adjustments Need to be Made



### **AQUALIZER GUIDED EQUILIBRATION OF THE TEETH**

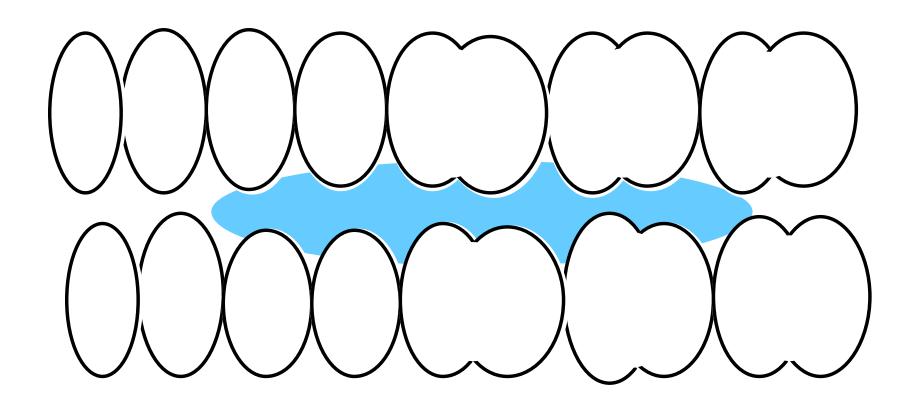


# Equilibrating Natural Teeth Using the Aqualizer



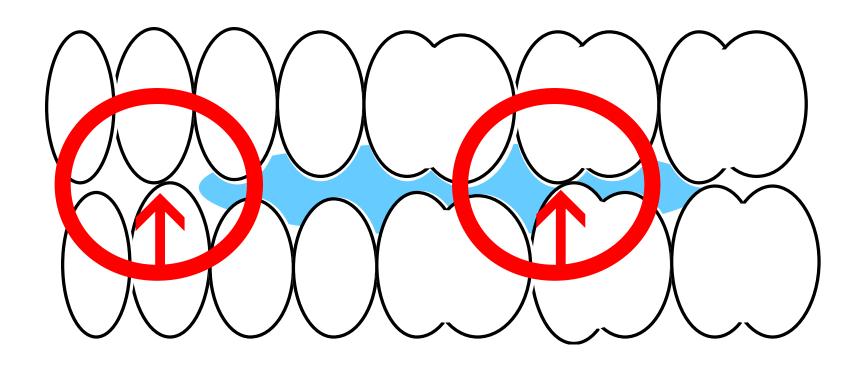


### Teeth Hold the Aqualizer in Place



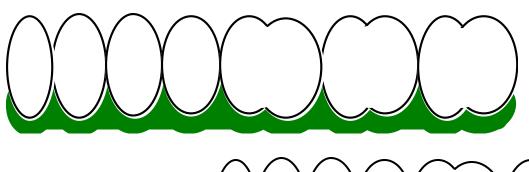


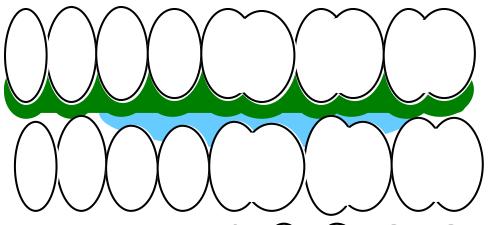
# **Teeth Occlude Showing Premature Contacts**

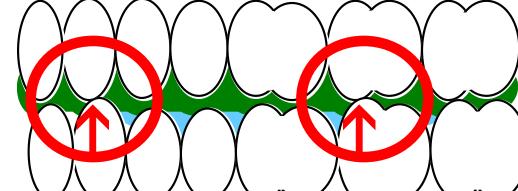




# Marking Premature Contacts Using Kerr's Occlusal Indicator Wax

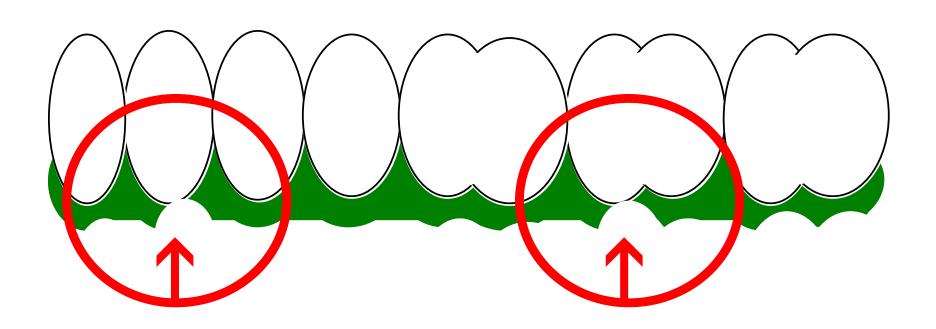






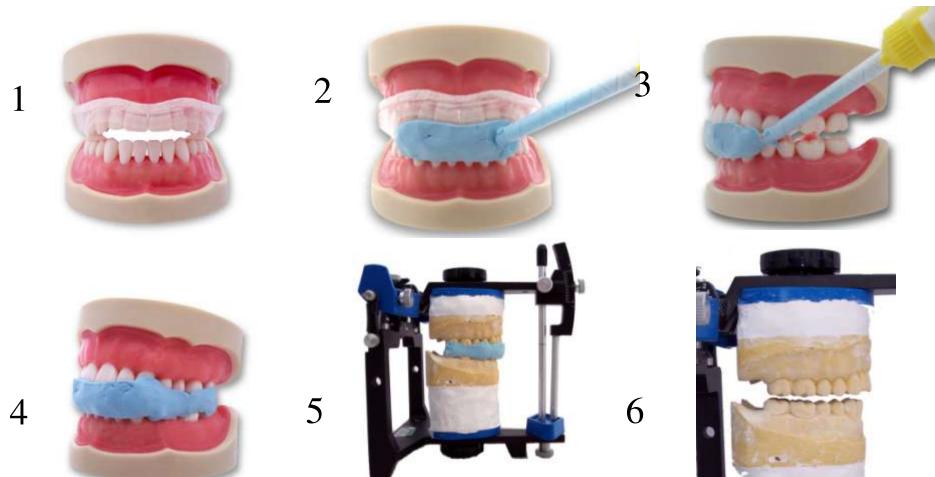


# Indents in the Wax Show Where Adjustments Need to be Made





A Simple Step-by-Step Procedure to Capture the Open Bite for Splints and Nightguards



Step 1: – Insert an Aqualizer™ into the mouth allowing the muscles to bring the mandible to its natural, most comfortable 3-D position, (great in combination with T.E.N.S. and jaw tracking). Add base plate wax under pads for small increases of less than 2mm, if there is no spasm in the muscles, step two can be performed 10 minutes after insertion.





Step 2: – Instruct the patient to bite down naturally with the Aqualizer™ still in place, while injecting silicone from cuspid to cuspid.





Step 3: – Remove the Aqualizer™ with the anterior bite still in place. Inject registration material between the occlusal surfaces of the left and right posterior teeth. Instruct the patient to close carefully into the previously established anterior bite. Allow the silicone to set.





Step 4: – Remove the one-piece full arch bite registration from the mouth.





Step 5: – Assemble the patient's dental casts accurately into the bite registration. Send this assembly to the lab, or mount the combined casts/registration assembly on your articulator.

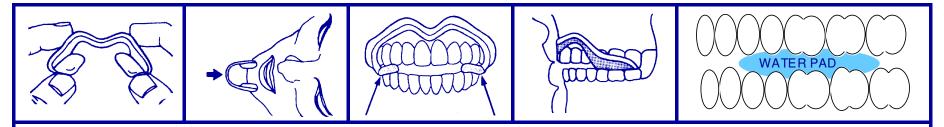




Step 6: – Remove the silicone bite registration. The Aqualizer™ allows you to preview, then accurately reproduce for splints, the most functional cranio-mandibular occlusal relationships.







### JAW REPOSITIONING

The water pads instantly float the jaw. The way the teeth "fit" together no longer controls the position of the jaw. A closed fluid system equalizes force perfectly, so the pressure is the same on every tooth surface.

The muscles are in complete control and do not have to accommodate for the "fit" of the teeth or the proprioceptive system's force-sensing mechanism.



# the AQUALIZER™

For your additional convenience, our laboratory now stocks the Low, Medium, and High Volume Ultra Aqualizer

Float away tension, muscle pain and headaches.



- PRE-MADE, READY TO INSERT ORAL SPLINT Fast, No Waiting, Boiling or Fitting
- INCREASE YOUR SUCCESS TREATING: Headache, TMJ, Tinnitus, Neck and Shoulder Pain

The Aqualizer's water system perfectly balances and cushions the bite. Muscles relax, moving the jaw into the most comfortable position stopping the occlusal trigger of spasm and referred pain throughout the head, neck and shoulders.



Proven effective, over a million used to date
Order Today
416-630-6262 1-800-410-4392

