

BEVERLY MARSH



Age: 27-years-old

Date: 2004

Occupation: School teacher

Chief Complaints:

1. Severe facial pain. Had to applied hot compresses on face to ease the pain before bedtime.
2. Difficulty talking
3. Neck and shoulder pain
4. TMJ pain

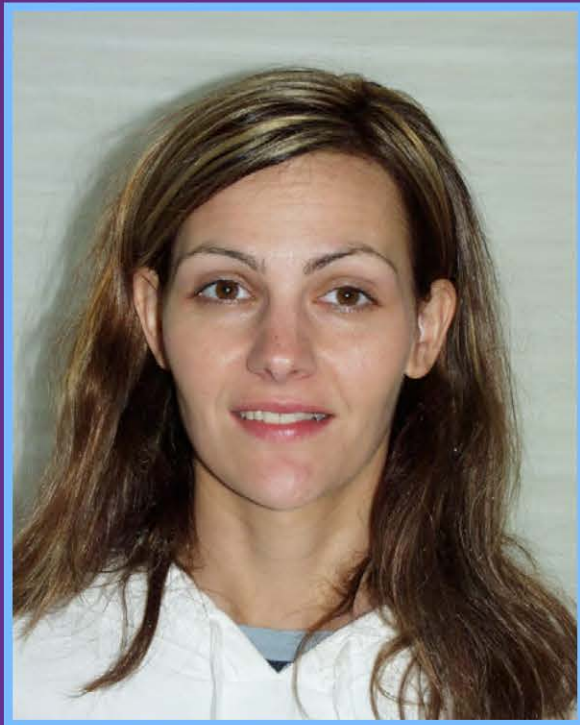
5. Headaches

6. Unable to sleep through the night because of pain

7. Fatigue

Dental History: All symptoms started after conventional orthodontics were completed at age 17 (1994). Fifty doctors were seen during the 10 year period.

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Pre-Tx

ALF placed and adjusted to balance the four cranial indicators. Pain greatly reduced within 24 hours.



24 hours post ALF insertion

ALF PRINCIPLE

BALANCE DENTAL PLANES

**VERTICAL
TRANSVERSE
SAGITTAL**

ALF PRINCIPLE

**THE KEY TO MAKING THE ALF
APPLIANCE WORK IS TO
ADJUST THE APPLIANCE SO
THAT IT BALANCES FOUR
CRANIAL INDICATORS. ONLY
BY CORRECTING CRANIAL
BONE ALIGNMENT WILL THE
PATIENT EXPERIENCE A CURE.**

FOUR CRANIAL INDICATORS

They provide a baseline for determining:

- Patient's 3-dimensional skull position at each visit.
- How to adjust the ALF appliance.
- If the ALF was adjusted correctly.
- When treatment is completed.

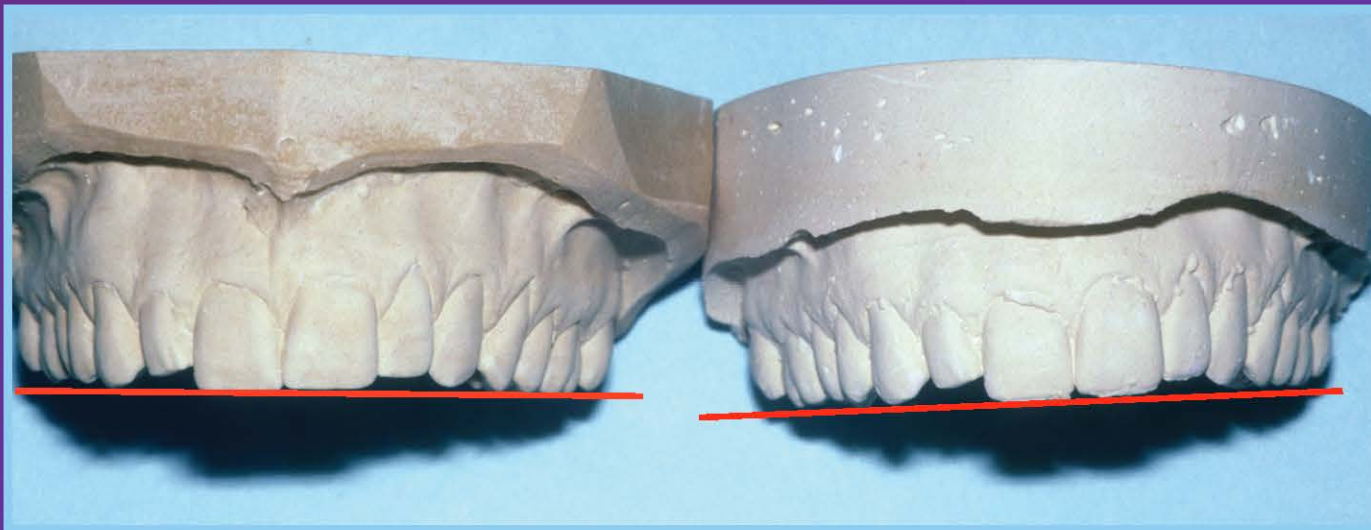
What you feel is what you have. Do not have to memorize patterns. There are too many variables that can influence cranial bone positions.

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Pre-Tx model exhibits canted maxillary transverse plane. The cranial base was distorted and the mandible over closed on the left setting up compression of the left TM joint and a structural domino effect.

Post-Tx



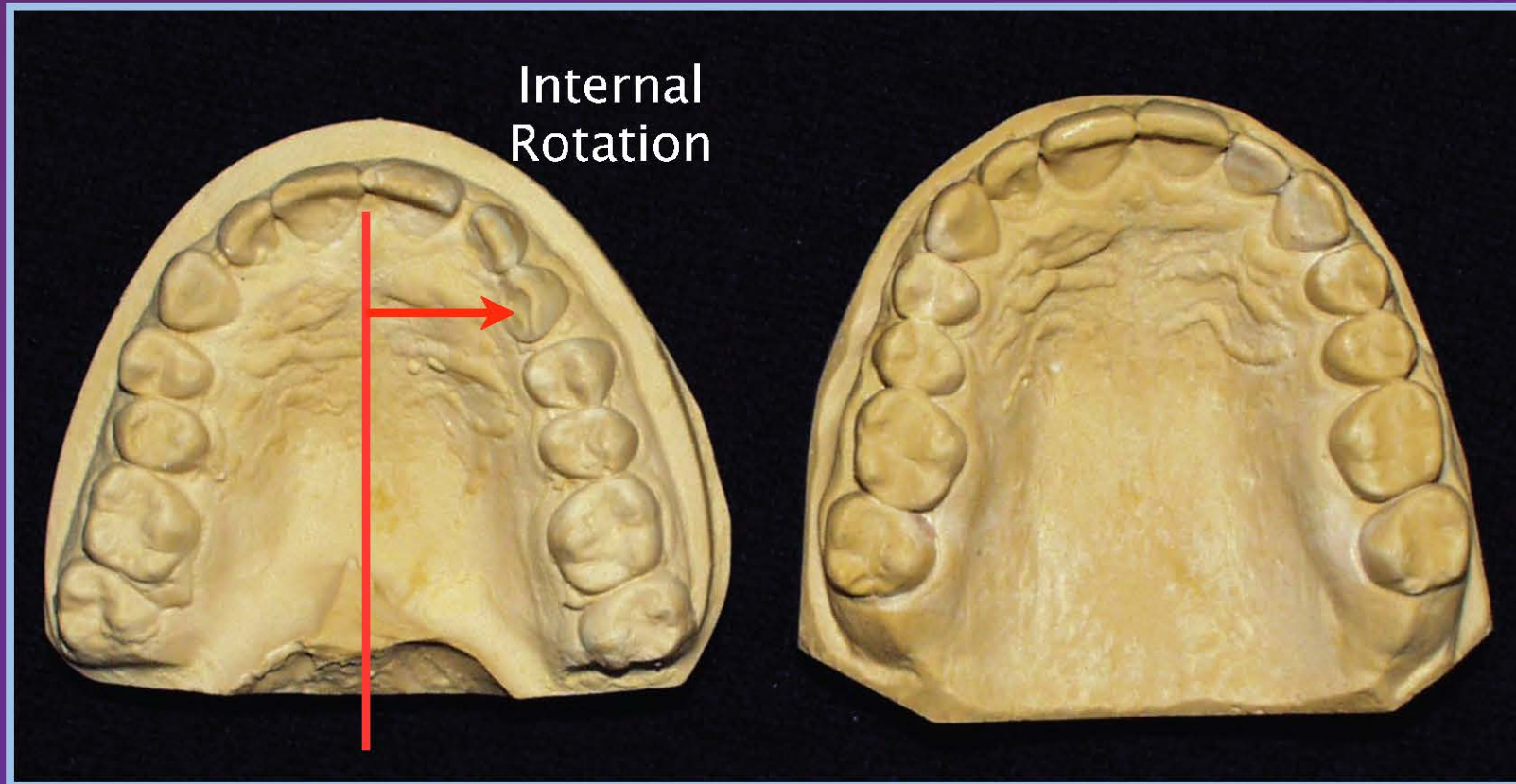
Pre-Tx

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The ALF appliance is designed to correct the maxillary horizontal plane as well as help realign the teeth. The foundation must be corrected first before the lower teeth are moved. The four cranial indicators guide all corrections.

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Pre-Tx

Post-Tx

Cranial base was expanded and corrected 3-dimensionally.

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Pre-Tx

Post-Tx

Mandibular arch was expanded to fit the maxillary template.

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Pre-Tx

Post-Tx

The patient's ten years of pain were resolved when the distorted planes were corrected.

CLINICAL IMPLICATIONS

The ALF System represents the most technologically advanced paradigm in orthodontic treatment today. Treatment has been simplified so that the practitioner's orthodontic skills can be easily integrated into the ALF System.

A series of on-line ALF seminars are being developed to prepare dentists for the hands-on workshops that must be attended.