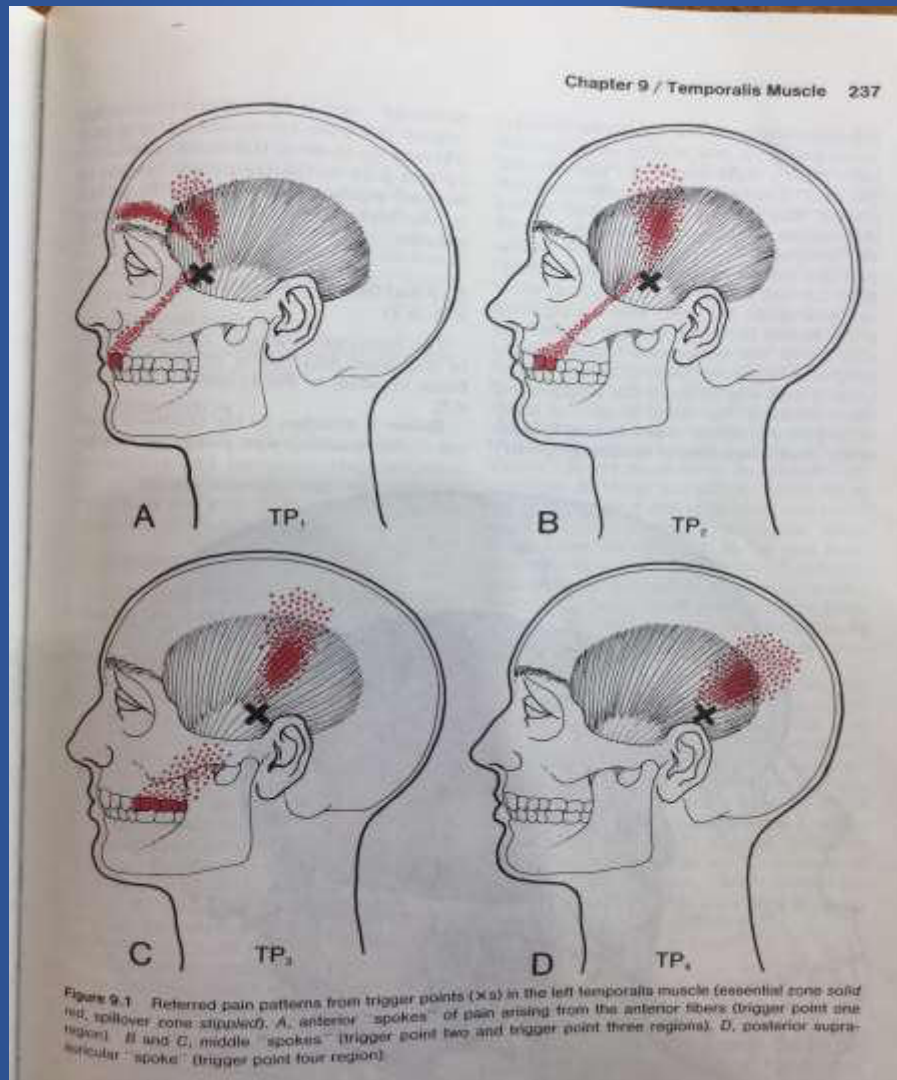


Temporalis Trigger Point referral sites



Janet Travell

injected saline solution into muscles, simulating Trigger points, and mapped the pain felt.

NB note the referral to the Maxillary teeth

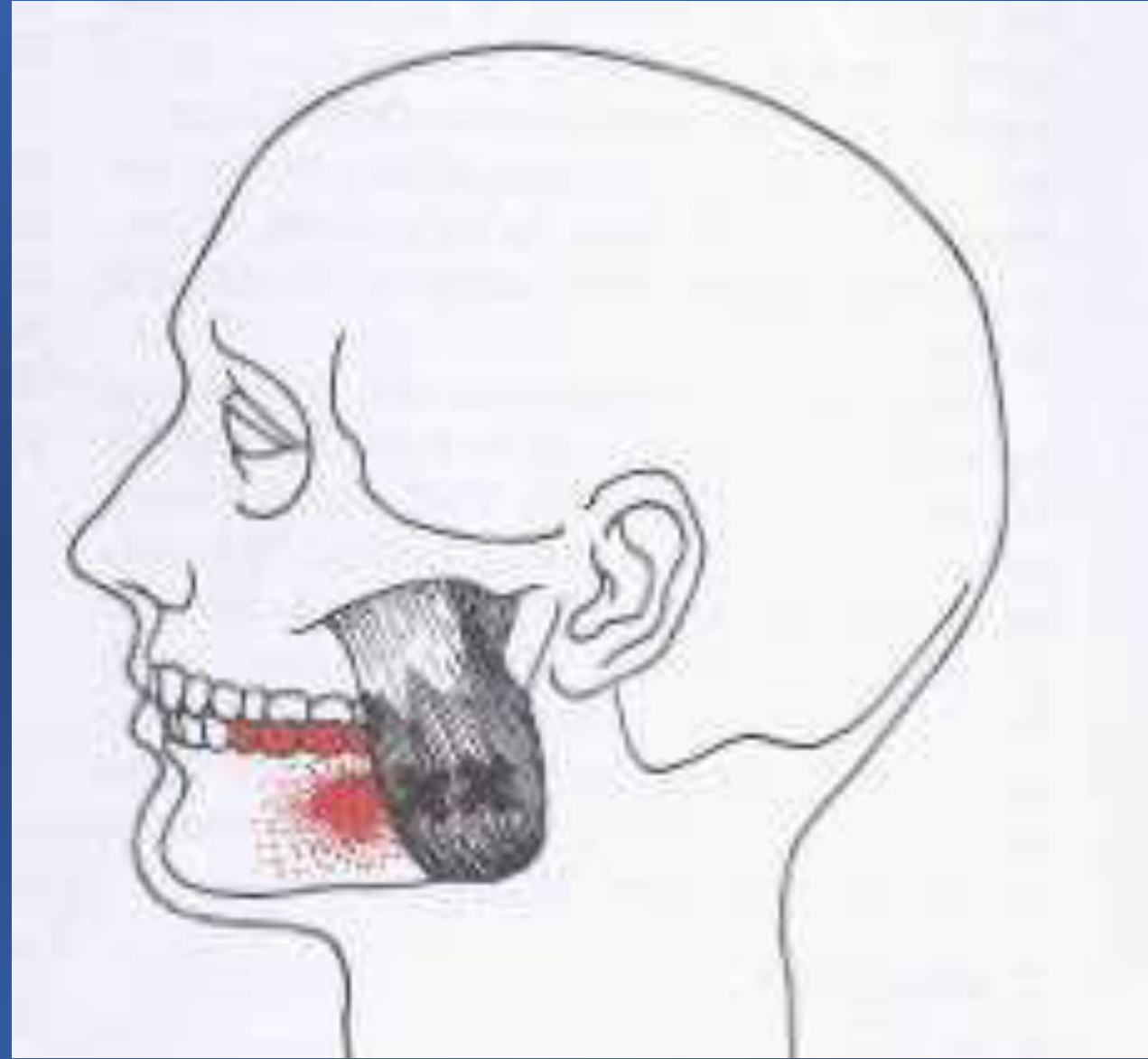
MYOFASCIAL PAIN

Masseter Muscle

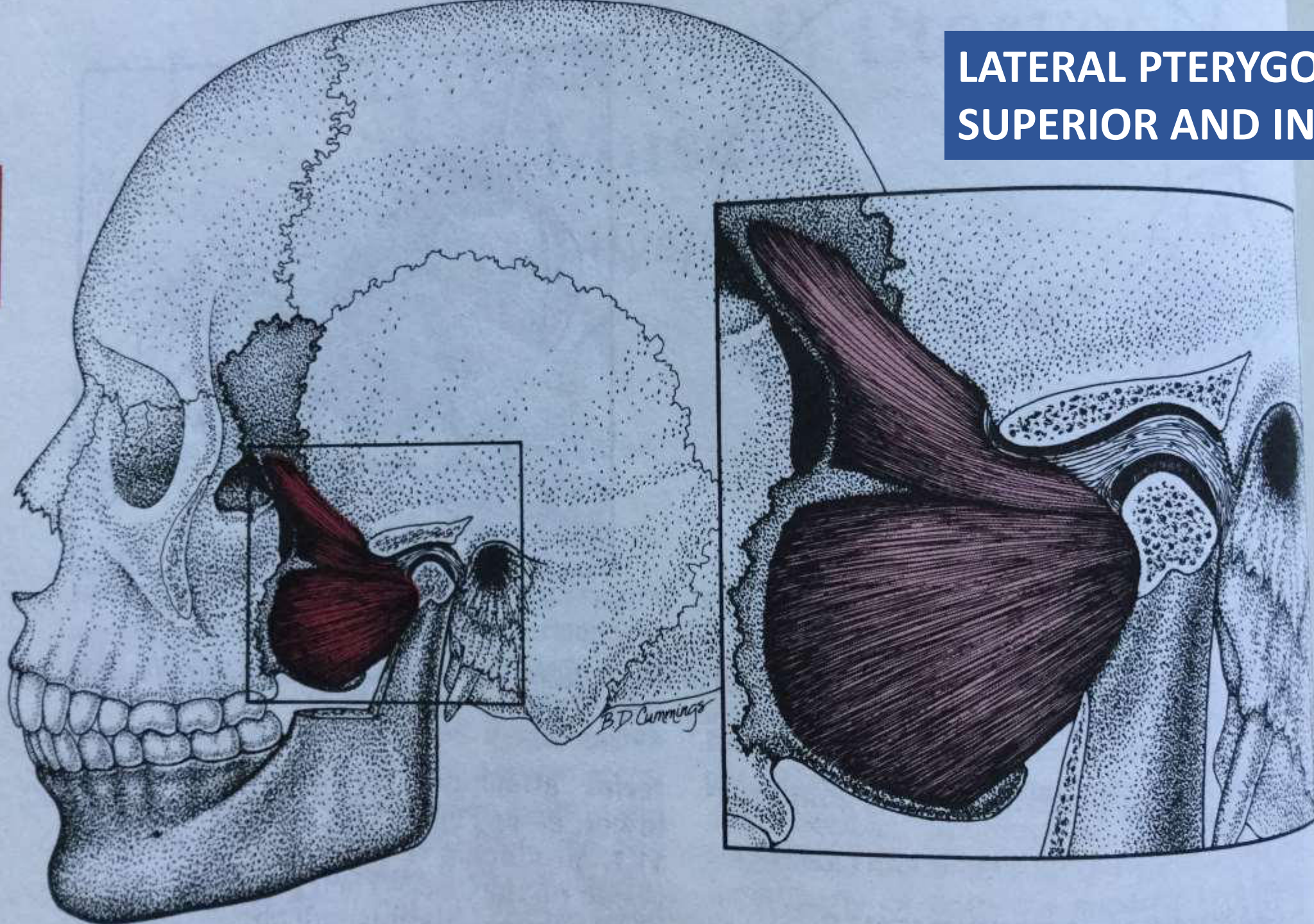
Powerful chewing muscle

Trigger points refer pain to mandibular teeth

SITE OF PAIN vs SOURCE

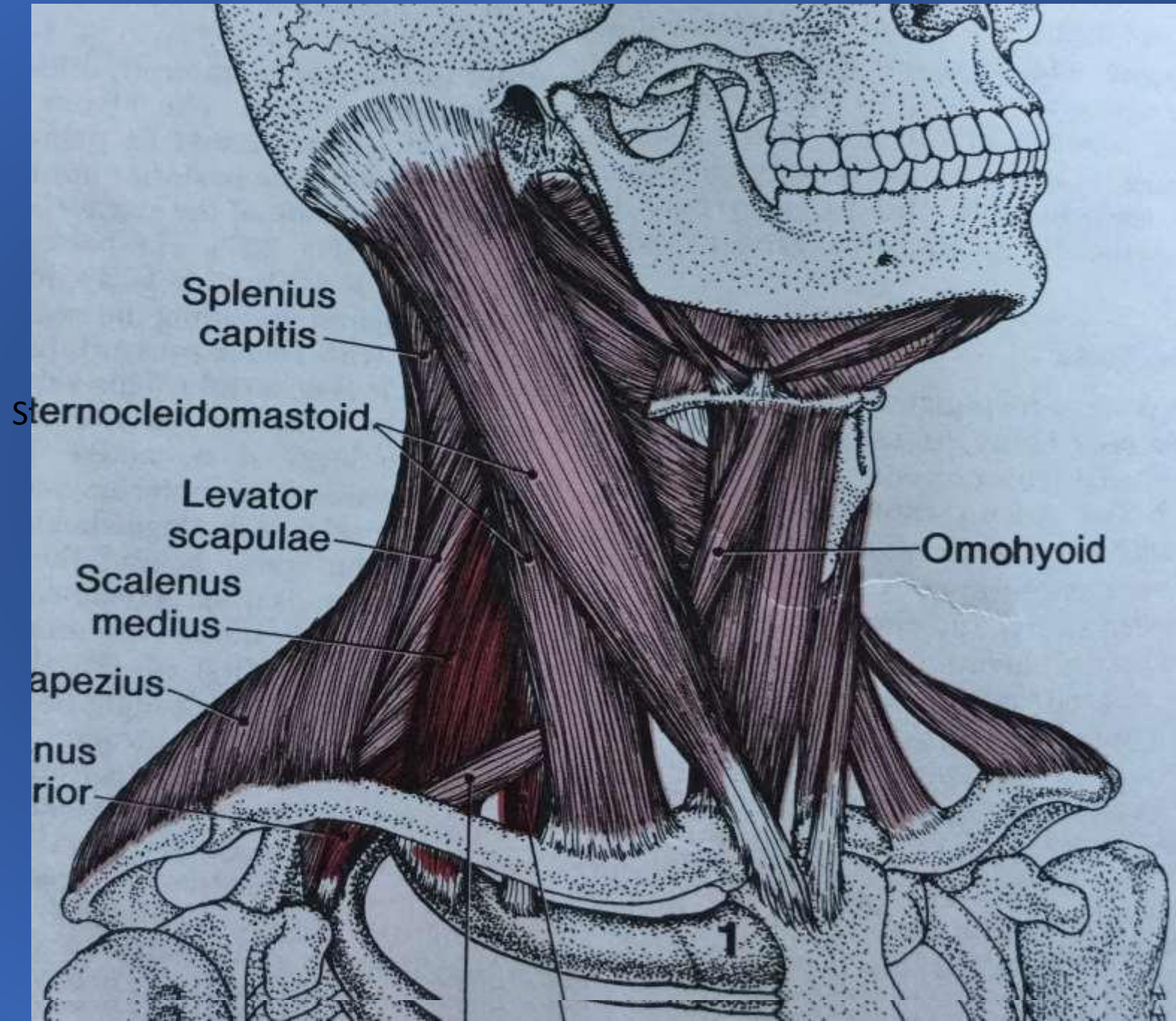


LATERAL PTERYGOID MUSCLE SUPERIOR AND INFERIOR

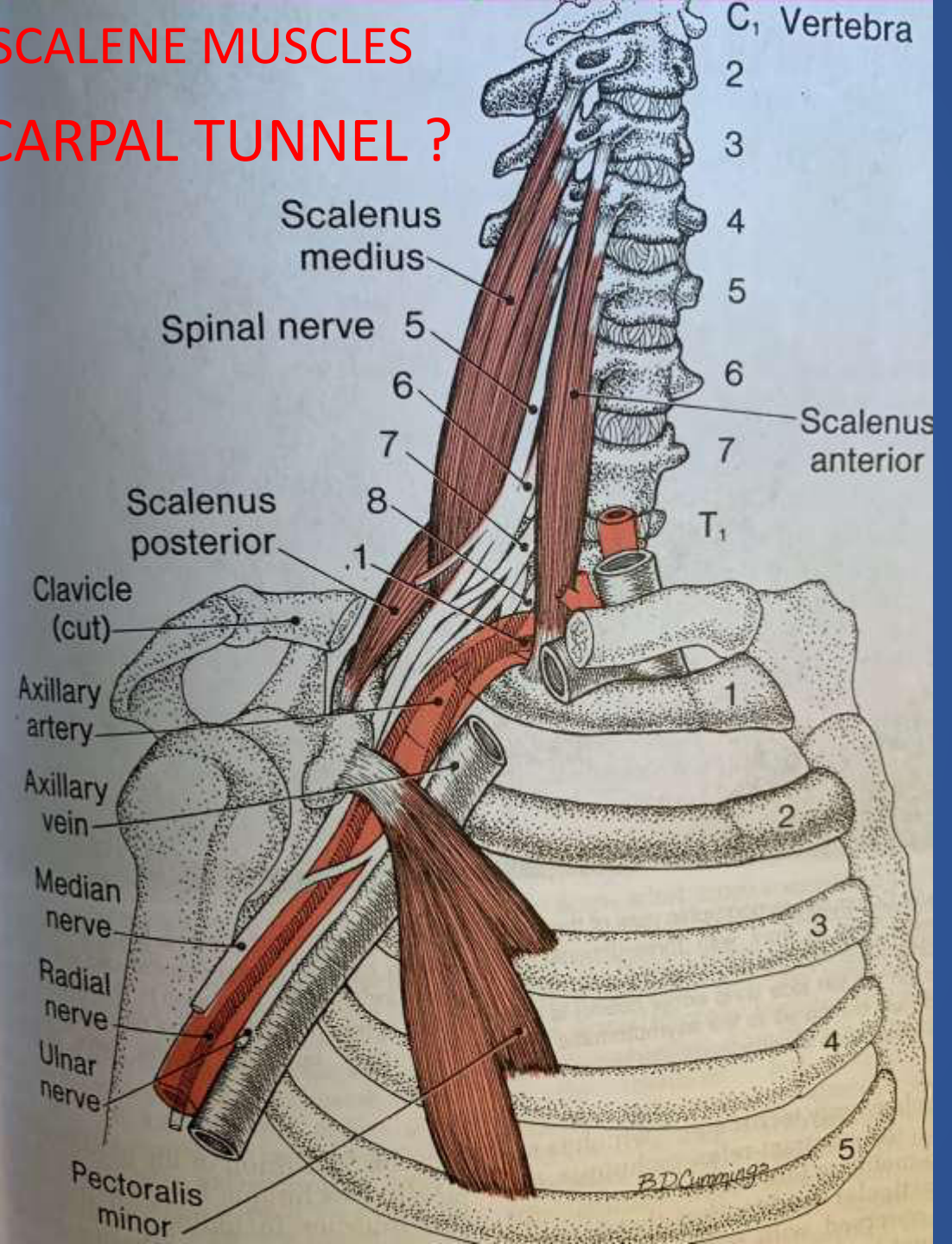
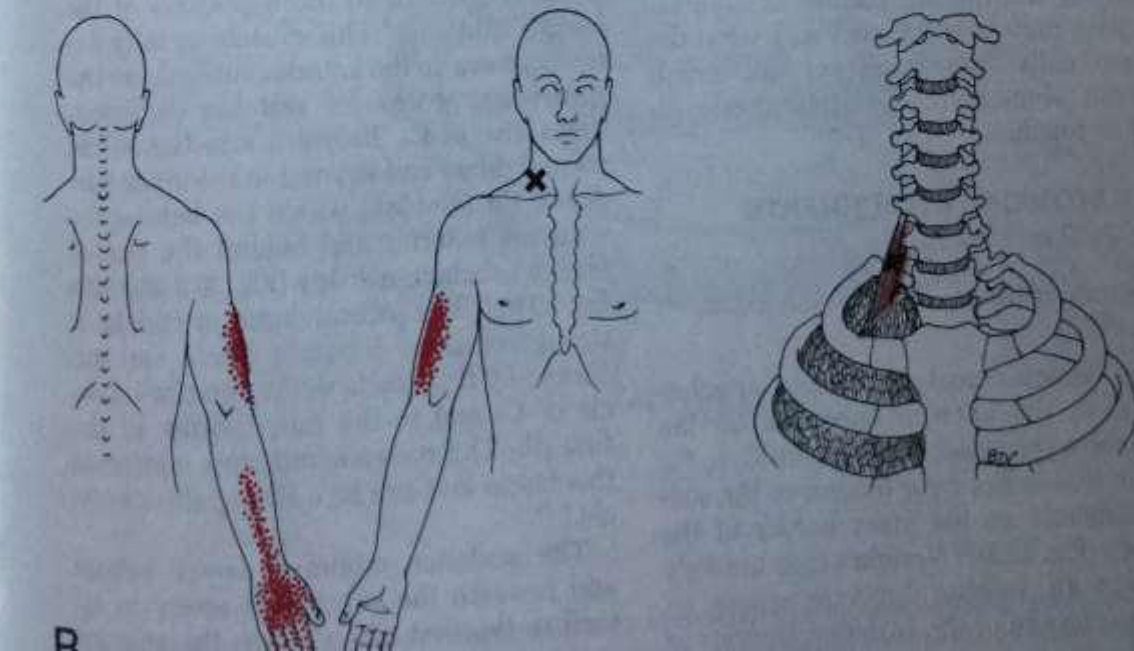
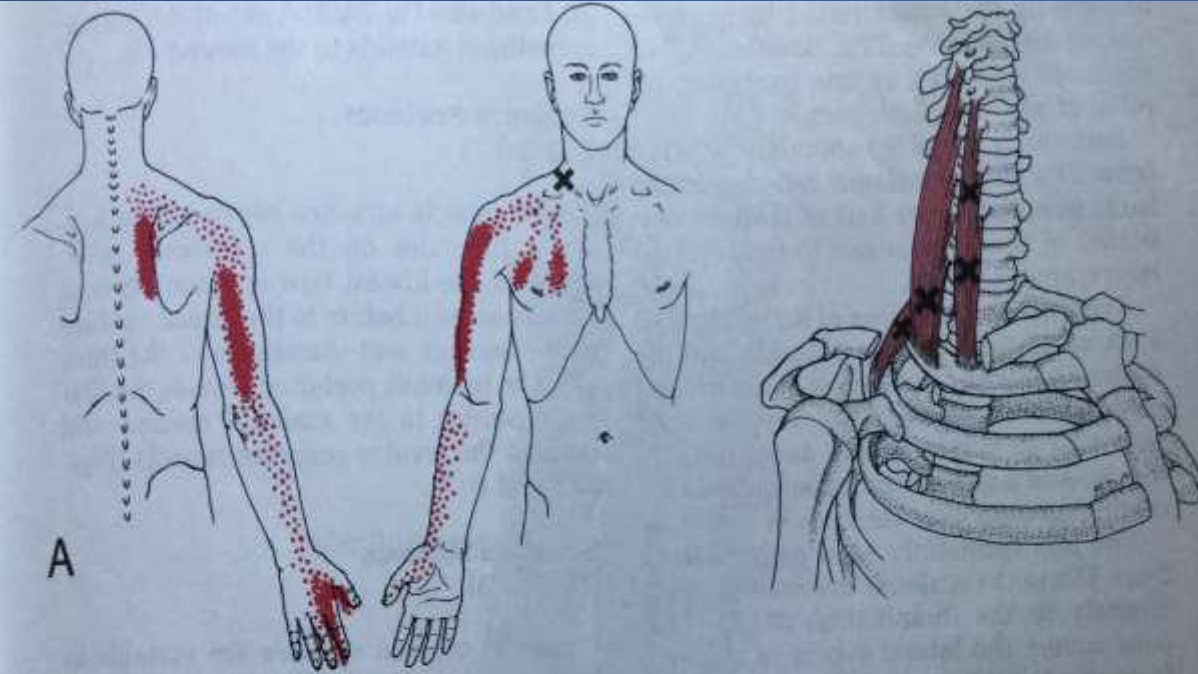


Neck muscles:

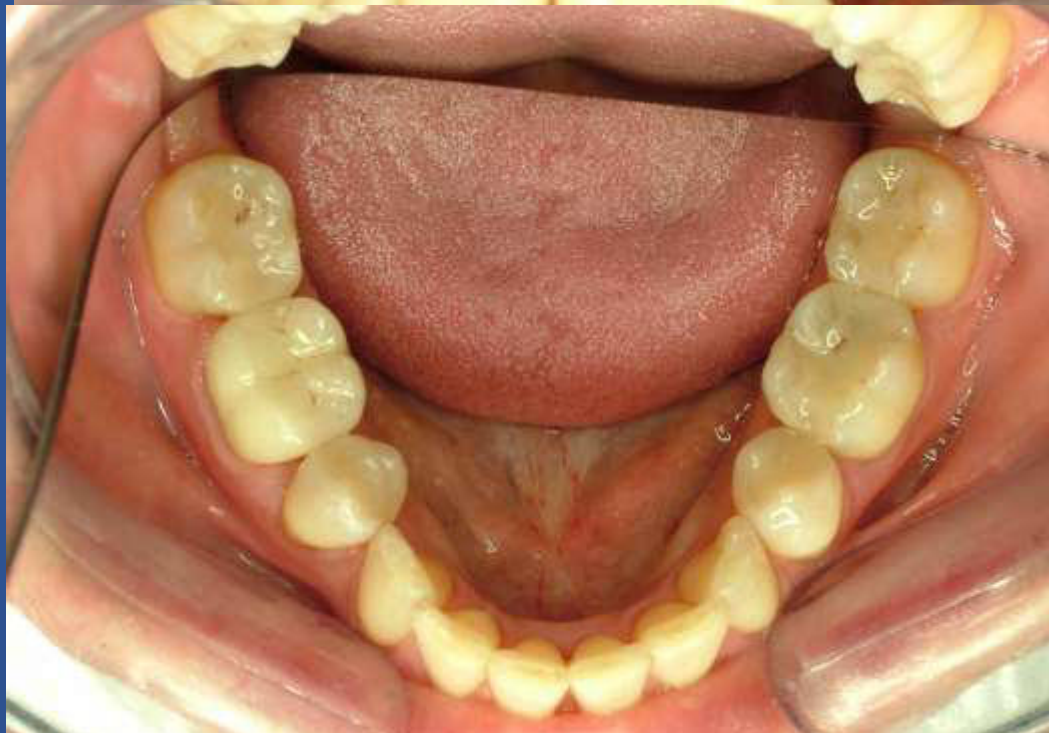
SternoCleido-
Mastoid,
Scalene,
Infra-hyoid,
Trapezius,
Digastric



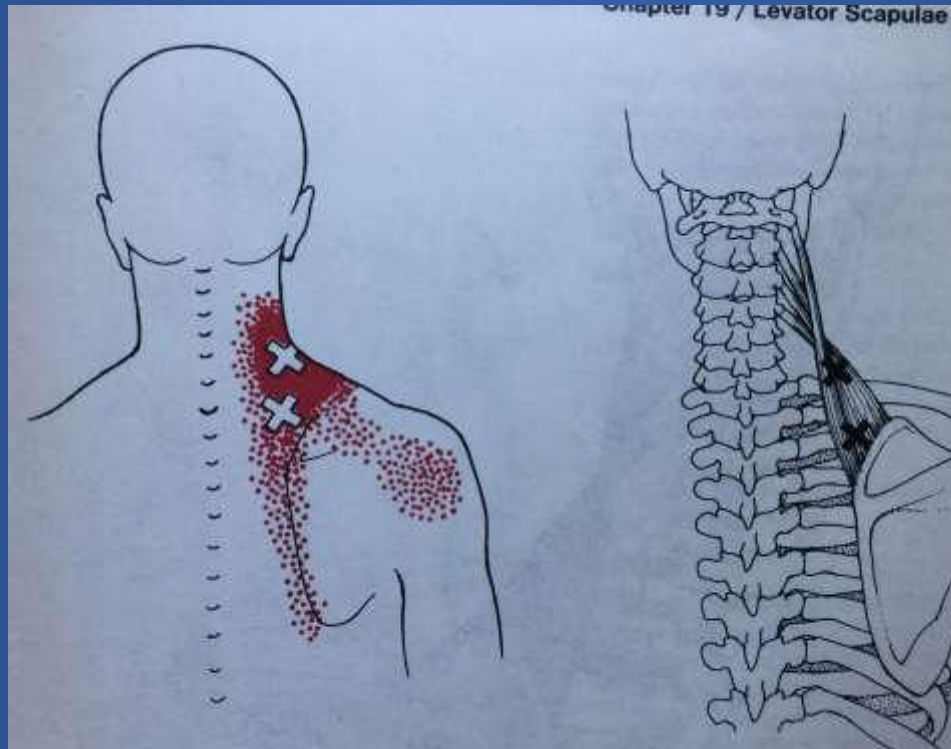
SCALENE MUSCLES CARPAL TUNNEL ?



SUE SCHEDULED FOR CARPEL TUNNEL SURGERY



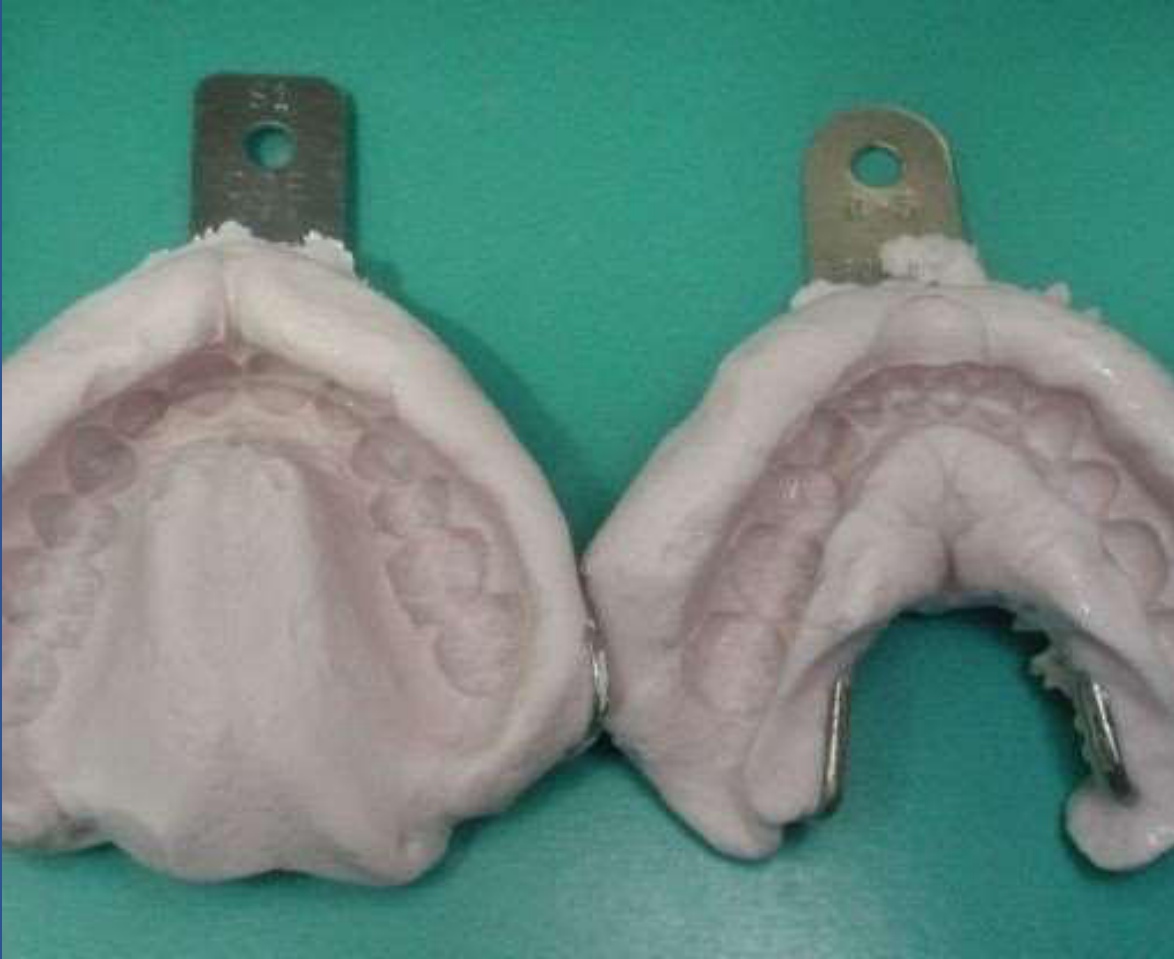
10 yrs Intermittent Torticollis, Wry neck (PB 1983)



FULCRUM ACTION OFF LR8
RIGHT TMJ CLICK, RIGHT NECK
TORTICOLLIS - SLEEP RELATED
FIXED WITH TMA AND EQUILIBRATION

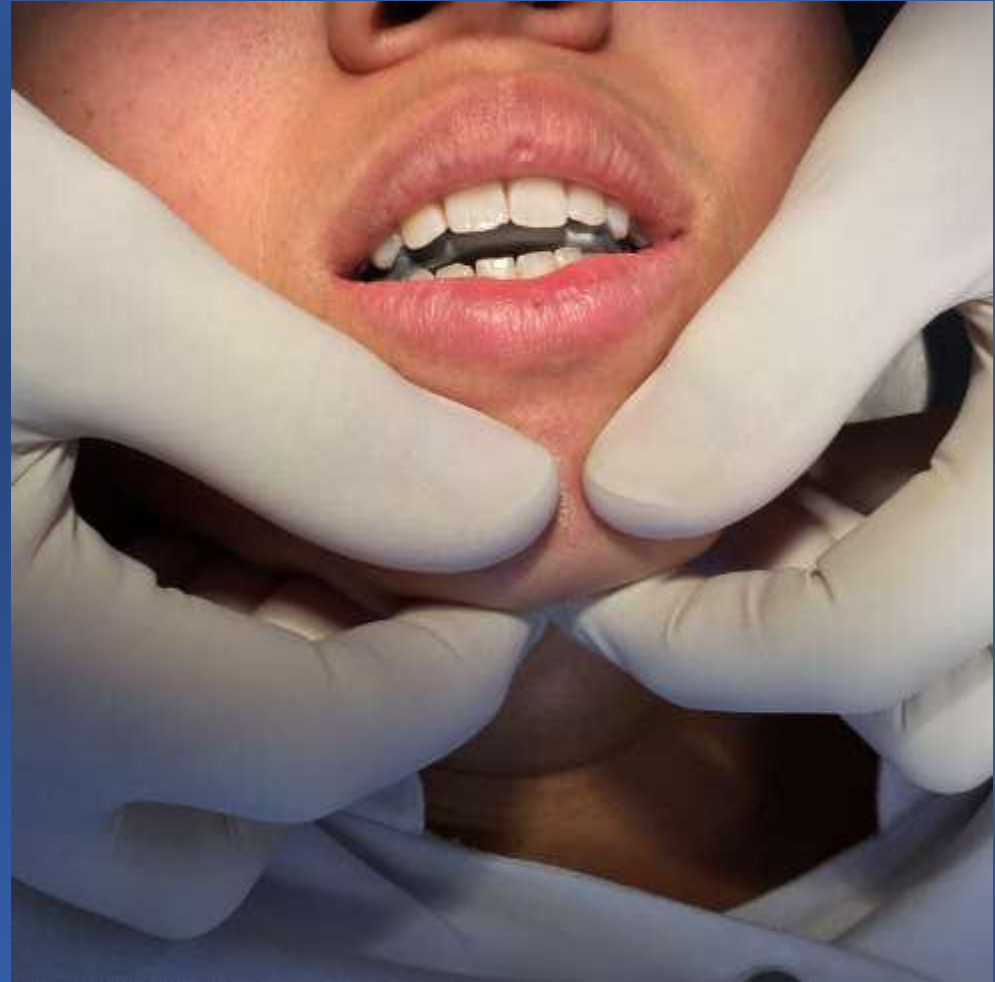
How do I assess the occlusal function ?

1. History and symptoms, eg headaches, neck aches, facial pain
2. Dental examination
3. Muscle and TMJ examination
4. Study models mounted in CENTRIC RELATION on an anatomical articulator



Accurate Stone models, from alginate impressions in metal rim-lock trays, poured within 10 minutes

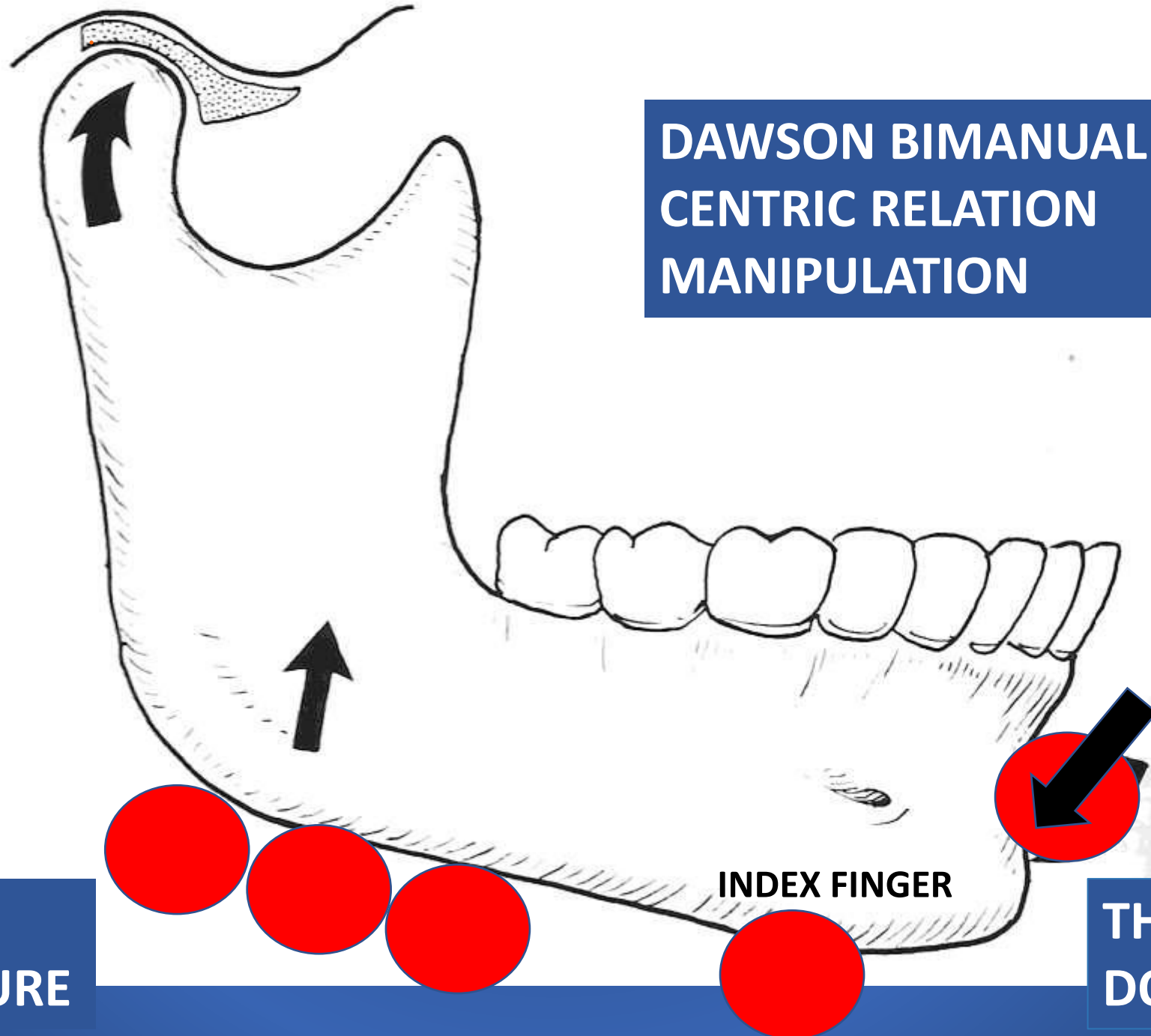
Centric Relation Record "DAWSON" manipulation on soft Aluwax



CENTRIC RELATION

The relationship of the mandible to the maxilla when the PROPERLY ALIGNED condyle-disc assemblies are in the most superior position against the eminentia, irrespective of tooth position or vertical dimension.

DAWSON BIMANUAL CENTRIC RELATION MANIPULATION



**3 FINGERS
UPWARD PRESSURE**

INDEX FINGER

**THUMBS PUSH
DOWNWARDS**

Upper Study Model transferred to Semi-Adjustable Articulator with Ear-Bow



Mounting Lower model to upper with Centric Relation Bite



Models mounted in Centric Relation



- To analyse the true dental articulation when the condyle is seated in the Glenoid Fossa, without any muscle reaction

How do I assess the occlusal function ?

1. History and symptoms, eg headaches, neck aches, facial pain
2. Dental examination
3. Muscle and TMJ examination
4. Study models mounted in CENTRIC RELATION on an anatomical articulator
5. Construct and fit a PERMISSIVE OCCLUSAL APPLIANCE

Tanner appliance
made from “Triad
Transheet”
Colorless LC acrylic
on foil spaced
model

to allow space to
reline in the mouth
with Triad gel



The Tanner Mandibular Appliance

- PASSIVE/PERMISSIVE APPLIANCE— applies an optimal CENTRIC RELATION occlusion to help with diagnosis of muscular issues arising from negative proprioceptive reaction
- ie THE TANNER APPLIANCE , provides ideal occlusion in harmony with muscles



A CLIP ON PERFECT BITE

The TANNER APPLIANCE A CLIP-ON PERFECT BITE

EMPIRICALLY ASKS THE QUESTION :

HOW WOULD HAVING A PERFECTED BITE AFFECT YOU ?

A diagnostic treatment appliance

The TANNER APPLIANCE

- Provides an indirect, reversible, method of altering the occlusion until a correct TMJ condylar position is determined and confirmed
 - Allows healing and tissue repair of joints muscles and ligaments
 - Allows adjunctive therapies to be started by neutralising occlusal parafunctional and dysfunctional forces, eg ACP treatment
 - Helps in understanding of nocturnal bruxing habits, and offers a protective cover
 - Provides immediate relief to a distressed dentition and periodontium
 - Can be used for Orthodontic retention, pre-equilibration

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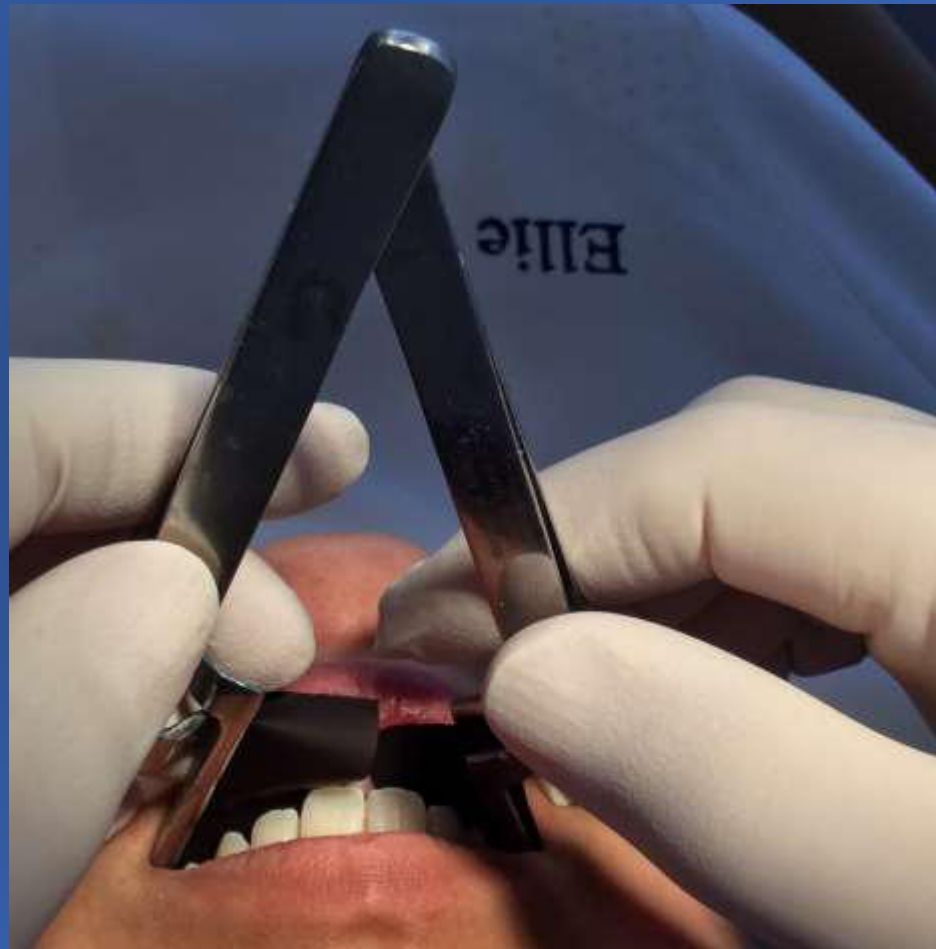
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Bausch Articulating papers to mark bite contacts



MARKING SEQUENCE

1 DRY – TISSUE

2 MARK ALL
EXCURSIONS—BLUE

3 TAP TWICE ON RED
Habit bite

4 MANIPULATE JAW
ON GREEN = CRO

The Tanner Appliance



THE CLIP-ON PERFECT BITE

Anterior Deprogrammer

- Fits over the anterior teeth
- reduces clenching and bruxing forces
- direct effect on Temporalis & Masseter (emg studies)
- Only temporary use
- —partial coverage could allow unwanted bite changes with prolonged wear





Triad putty smoothed over front teeth with cotton rolls deprogramming, and maintaining TMJs in CRO



Triad polymerized with Light





Adjusted and ready for polishing

Roy, AO Referral, 15 year Trigeminal Neuralgia history, taking maximum Tegretol



CRO BITE RECORD



**AQUIRED OCCLUSION
ANTERIOR CROSS BITE**