Intraoral Review

{ The Idea Crucible – Webinar

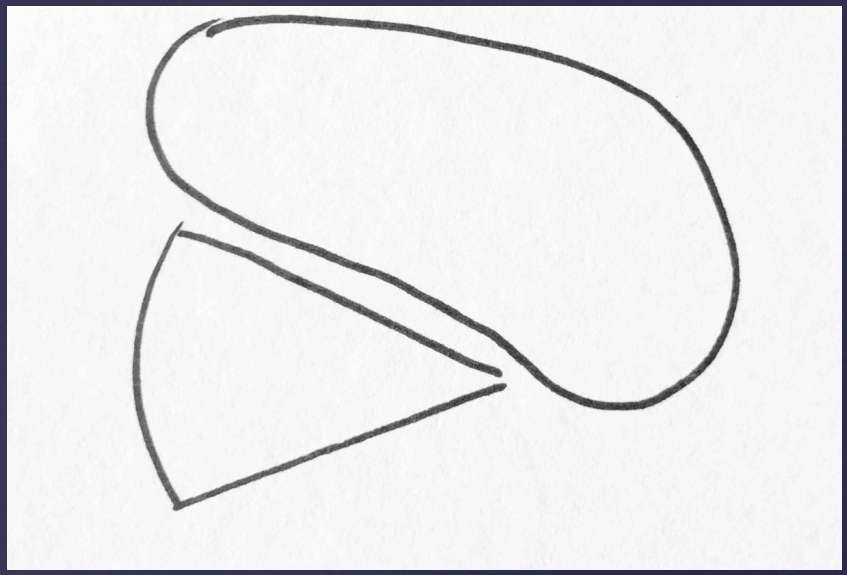
ERICMOYA

1. Introduction
2. Osseous Anatomy
3. Nervous Anatomy
4. CST II Techniques
5. SER I (Avenue of Expression) Techniques
    1. Hyoid Muscles
6. Finishing Touches
7. Alternate Options & Clinical Suggestions
8. Question & Answer
9. Closure

Presentation Overview

Osseous anatomy

{ Intraoral protocols



A useful simplification

Craniofacial junction

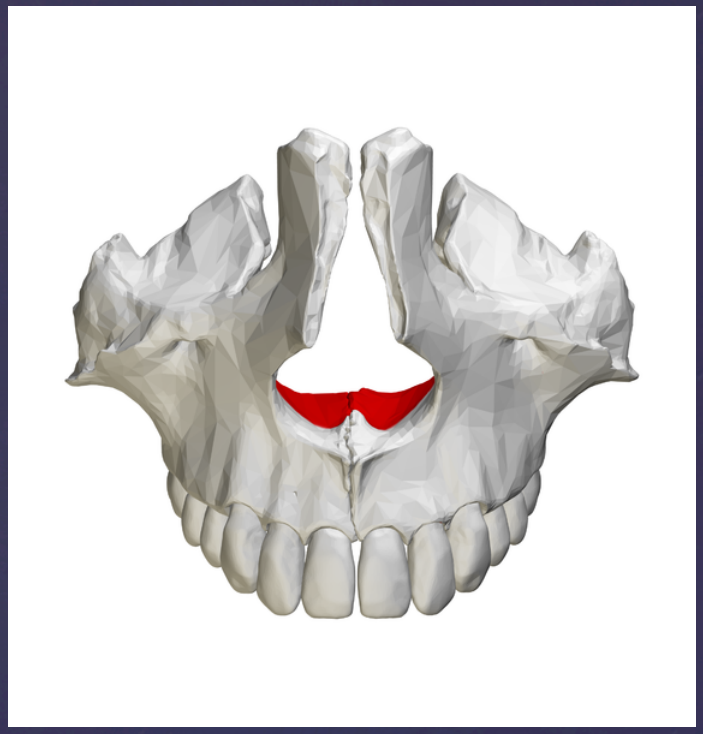
- The critical junction between your facial bones and your cranial bones
- A critical junction that has clinical implications for healthy function
  - CSR
  - CS System
  - Nervous anatomy

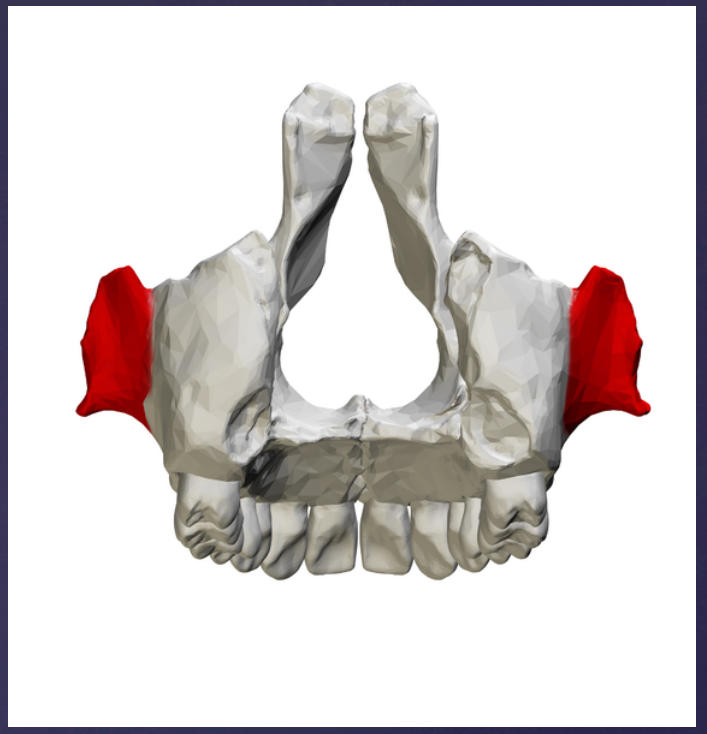
Clinical implications

- CSR & CST. A compressed junction acts as a hard "brake" on the CSR
- System will deplete/exhaust itself attempting to undo the compression
- Nervous implications include sympathetic ramifications as well as localized pain & dysfunction
- Because of CST/CSR impact, implications extend beyond structures directly passing through osseous junctions

Video #1, #2,

{ Bones of the cranium

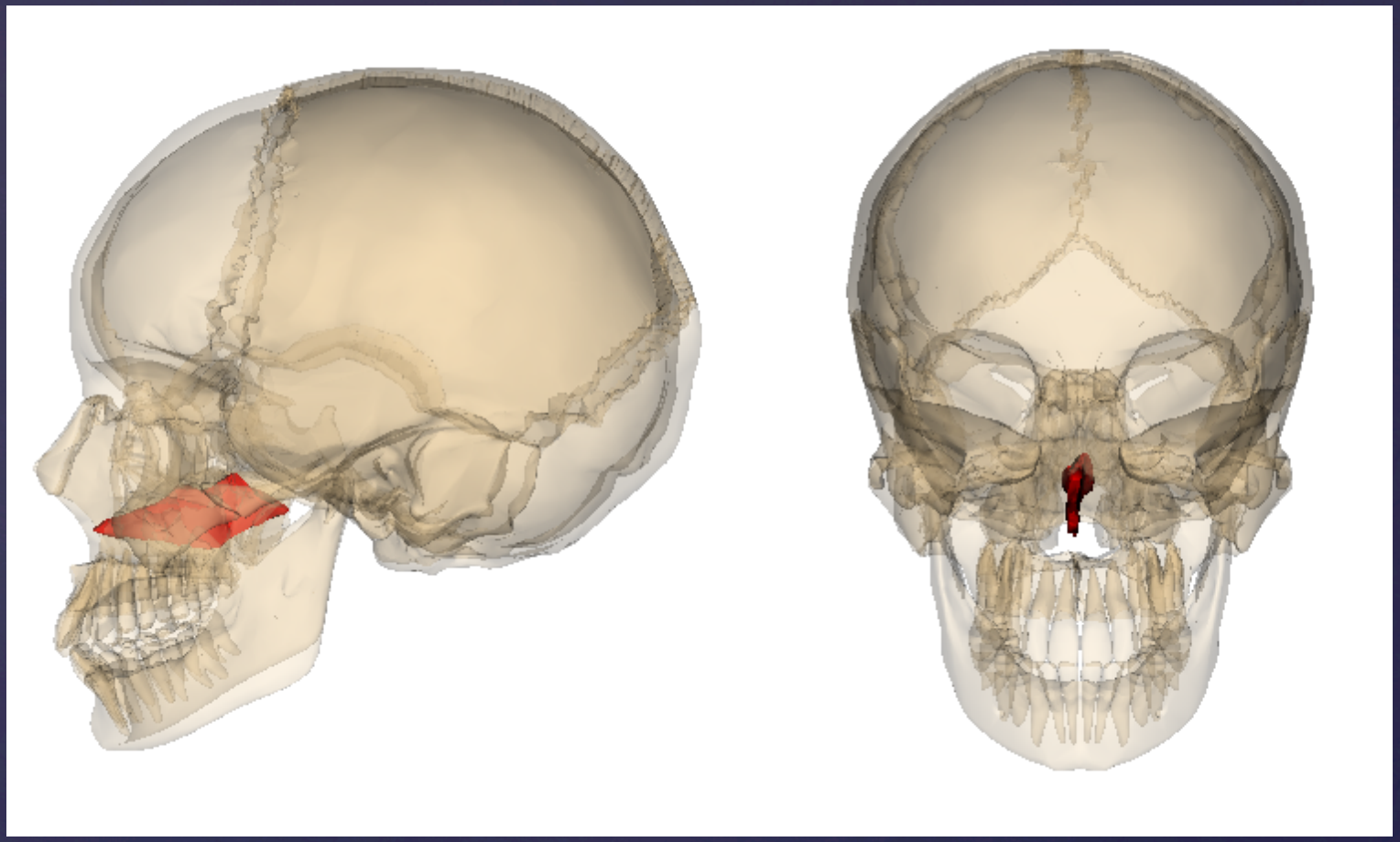




Maxillae

Video #3,

{ Bones of the cranium



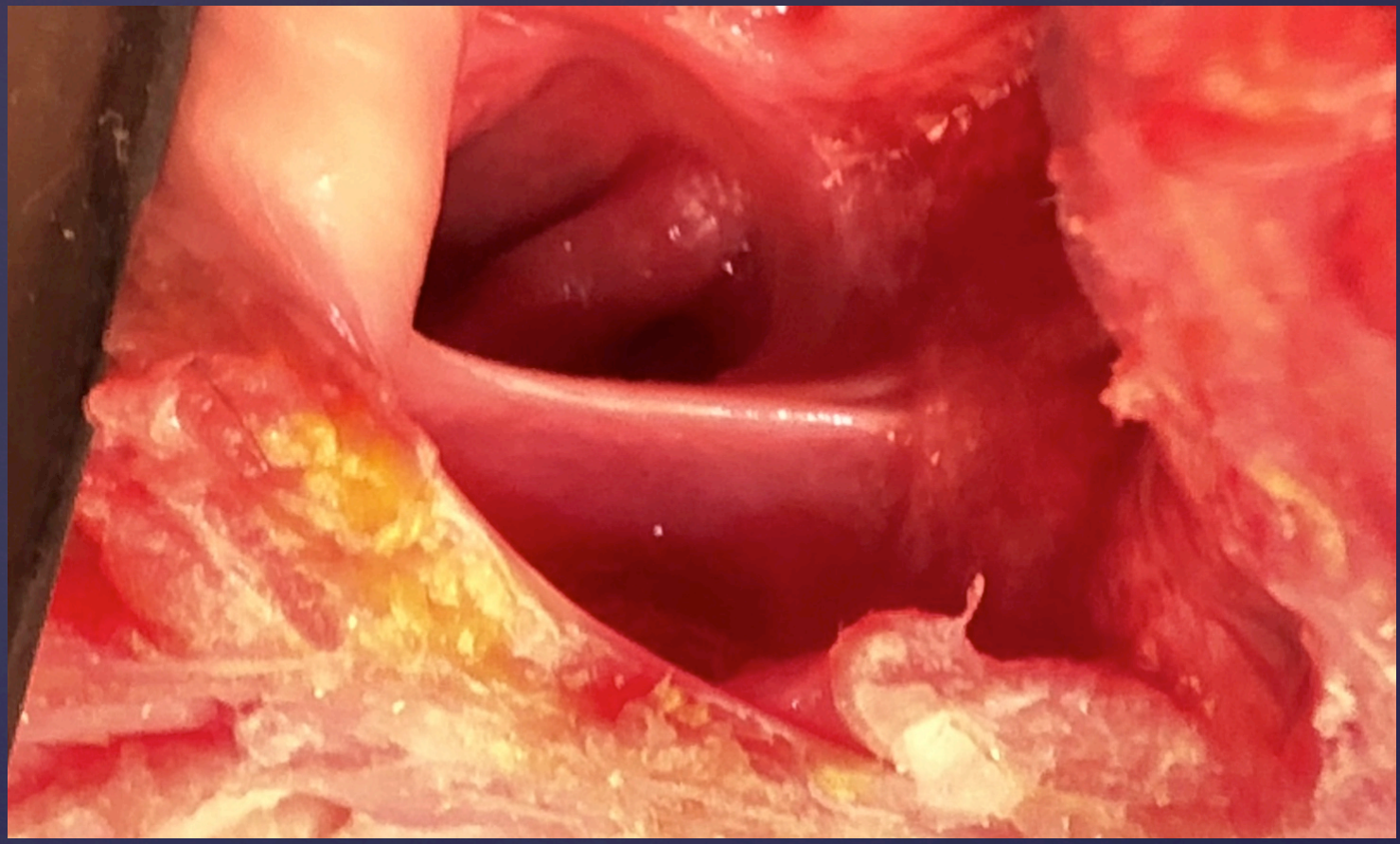
Vomer

Vomer

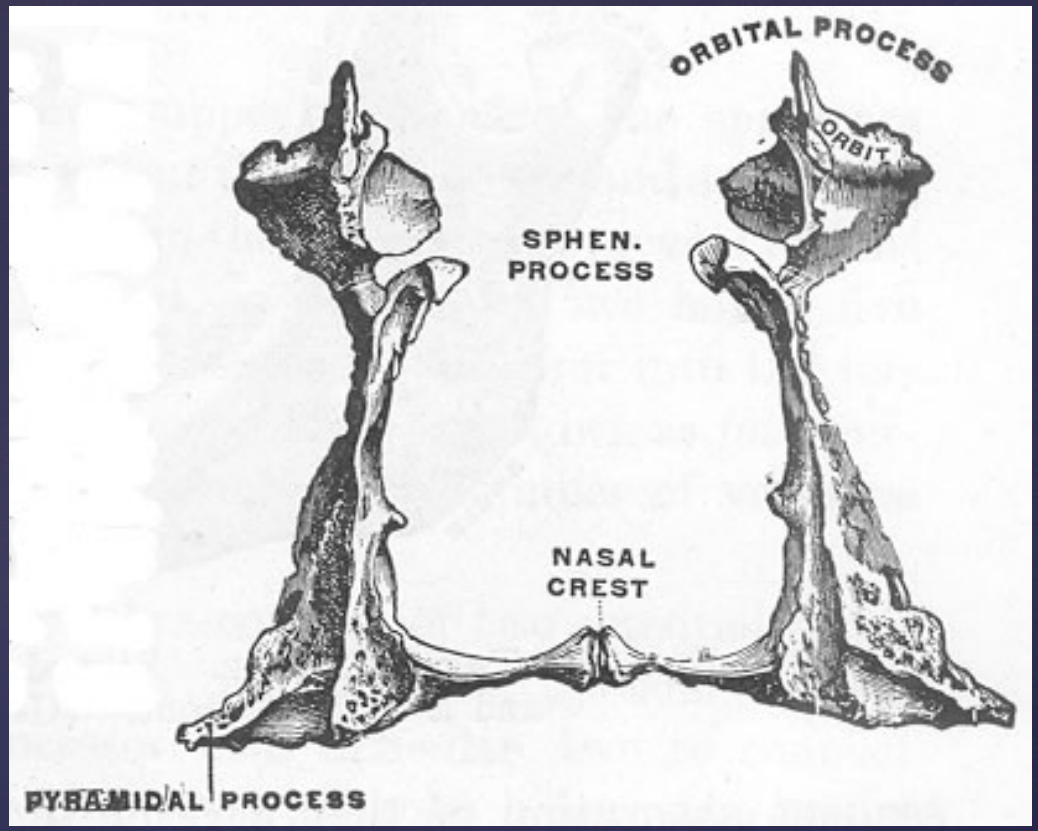
- Paper thin bone
- Part of nasal septum
- Full length of hard palate mid-sagitally
- Runs posterior/superior and articulates with the rostrum of the sphenoid

Video #4,

{ Bones of the cranium



Posterior vomer



Palatine bones

Nervous Anatomy

{ & related foramena

- Facial Nerve (CN VII)
- Glossopharyngeal Nerve (CN IX)
- Hypoglossal Nerve (CN XII)
- Trigeminal Nerve (CN V)
  - Maxillary (V2)
    - Zygomatic nerve
    - Nasopalatine nerve
  - Mandibular (V3)

Nervous Structures-CranioFacial Junction

- Sensory/Motor
- Facial expressions
- Taste on anterior tongue
- Pathway doesn't directly pass through ossesous foramena, but mainly through soft tissue junction structures
- Avenue of expression impact more than osseous impact

Facial nerve (CN VII)

Glossopharyngeal (CN IX)

- Sensory/Motor
- Speech, swallowing, saliva production, taste on back of tongue, pressure sensors on carotid arteries
- Avenue of expression impact more than osseous impact

- Motor
- Extrinsic muscles of the tongue
  - Genioglossus
  - Hypoglossus
  - Styloglossus
- Intrinsic muscles of tongue

Hypoglossal (CN XII)

Trigeminal (CN V)

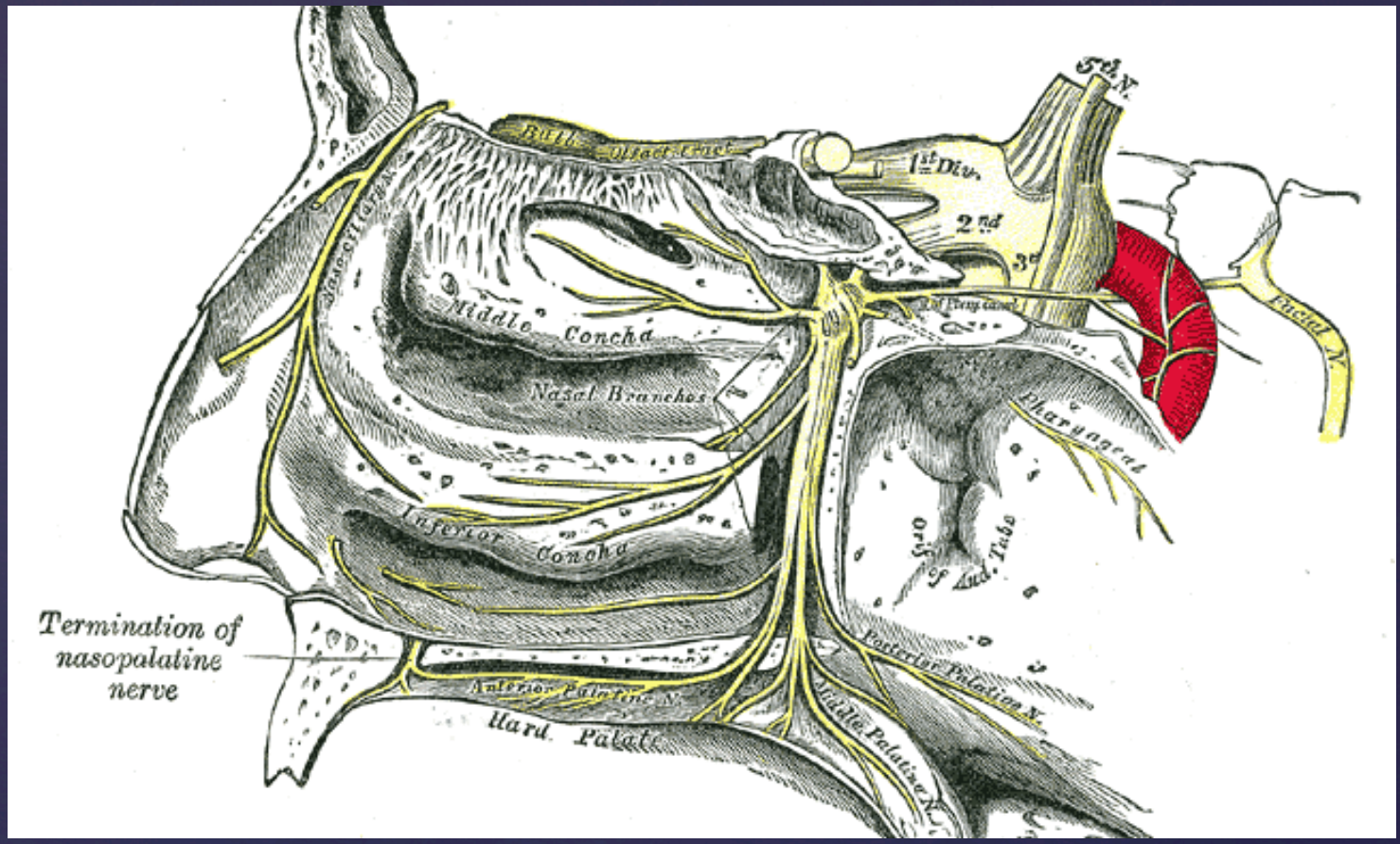
- Sensory/Motor
- For our purposes we are talking primarily about V2 (Maxillary) and V3 (Mandibular)
- Facial sensation
- Biting & Chewing
- Close connection to the sympathetic division of the autonomic nervous system

Trigeminal pathways

- Maxillary branch
  - Upper division innervates maxilla
  - Lower division passes through pterygopalatine fossa
- Mandibular branch
  - Foramen ovale (sphenoid) and into mandible

Pterygopalatine fossa

- Pathway running right through the palatine bone (in between ptyerygoid process and maxilla)
- Craniofacial compression and dislocation here is very hard on the internal structures
  - Zygomatic nerve
  - Nasopalatine nerve
  - Posterior superior alveolar nerve
  - Pharyngeal nerve
- Compression also can stimulate sympathetic autonomic division



Pterygopalatine fossa

CST II Skills

{ Review

1. Nasals
2. Zygomae
3. Maxilla
4. Vomer
5. Palatine
6. Teeth
7. Finishing touches

CST II Protocol

Nasals

- Core intent of freeing up the nasal bones from the cranium
- Different variations

Video #5,

{ Bones of the cranium

Zygomae

- Core intent of releasing the zygomae off the cranium
- Engage under the zygoma and disimpact anterolaterally

Video #6,

{ Bones of the cranium

Maxilla

- Core intent to disimpact maxilla from palatines and cranium
- Flex/ext lesion
- Torsion
- Shear
- Disimpaction

  - Stabilize sphenoid during non-physiologic lesions

Video #7, 8, 9, 10

{ Bones of the cranium

Vomer

- Core intent of disimpacting vomer off of the sphoidal rostrum
- Same sequence as maxillae

Video #11,12,13, 14

{ Bones of the cranium

Palatines

- Core intent to mobilize palatines in between maxilla and sphenoid
  - Superior
  - Lateral
  - Medial
  - Inferior

Video #15

{ Bones of the cranium

Teeth

- To arc to and treat individual teeth as needed
- Good for tooth health, gum health, and bone health

Finishing touches

- Core intent of leaving someone balanced and in good shape
- Common finishing touches include
  - Sphenoid decompression
  - TMJ decompression
  - Ear pull
  - CV-4
  - Whatever else is needed

Pause & restart recording