

Cervicothoracic orthosis

Cervicothoracic orthoses (CTO) incorporate some form of body vest to immobilize the **cervical spine**.

The following are presented in increasing degree of immobilization.

Guilford brace: essentially a ring around the occiput and chin connected by two posts to anterior and posterior thoracic pads.

SOMI brace: acronym for Sternal Occipital Mandibular Immobilizer. Good for bracing against flexion (especially upper cervical spine). Inadequate for hyper-extension type injuries because of weak occipital support. Has special forehead attachment to allow patient to eat comfortably without mandibular support.

“Yale brace”: a sort of extended **Philadelphia collar**. The most effective CTO for bracing against flexion-extension and rotation. The major shortcoming is poor prevention of lateral bending (only $\approx$ 50% reduced).

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=cervicothoracic_orthosis

Last update: **2024/06/07 02:58**

