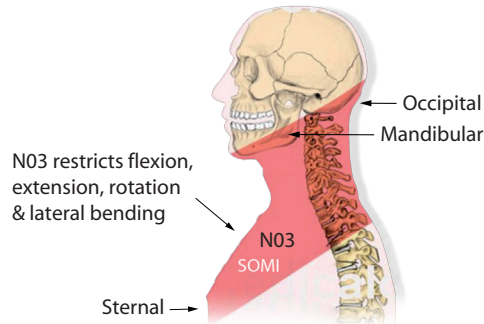


N03b : Neck Immobilizer

- A new SOMI: Sternal Occipital Mandibular Immobilizer



Level to immobilize the neck



- Neck height & circumference can be adjusted by turning the mechanical gears to get a fine adjustment and a perfect fit
- No Velcro is needed
- Comfort, compliance & good stability $\pm 85\%$



Posture Correction

Indications:

- + Fracture immobilization
- + Severe sprain
- + Post-op
- + Correction of malalignment (Torticollis & kyphosis)



Adult Torticollis



Cervico-thoracic Kyphosis

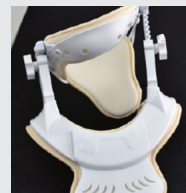
Comparison of Neck Stability by Using Different Collars Fixation

Fixation by mechanical gears: Advantages of fine tuning for tightening

Medex Collar $\pm 85\%$



Neck circumference adjusted by mechanical gears



Neck height adjusted by mechanical gears

Fixation by Velcro

Philadelphia Collar $\pm 70\%$



Miami J Collar $\pm 72\%$



De Royal Collar $\pm 75\%$



Aspen Collar $\pm 70\%$



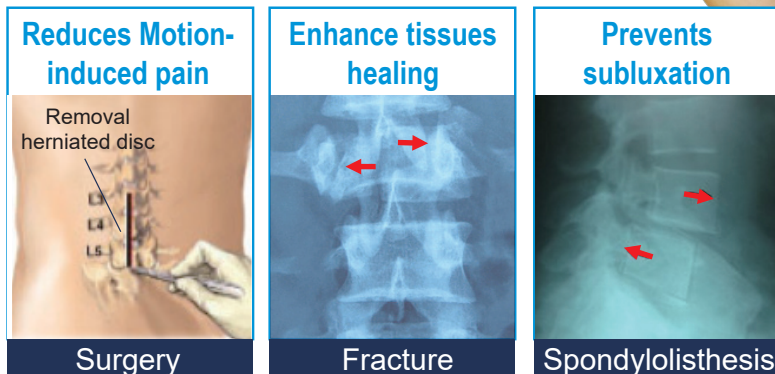
Neck circumference adjusted by Velcro, neck height adjusted by sizes: unable to fine tune

B19a: LSO with Chair Back (Post-op Back Brace)

Features & Benefits:

- Cinch Device for fine tune tightening
- Quick release buckles
- Back opening for wound care
- Immobilization T8-S3 region
- Easy self don & doff

Treatment Rationales:



Back opening for wound care

Indications:

- Motion-induced back pain
- Post-op immobilization
- Stable fracture & compression fracture
- Spondylolisthesis & lumbar instability
- Severe sprained back & sciatica



Cinch Device for fine tune tightening

Front

Comparison of lumbar immobilization:

