



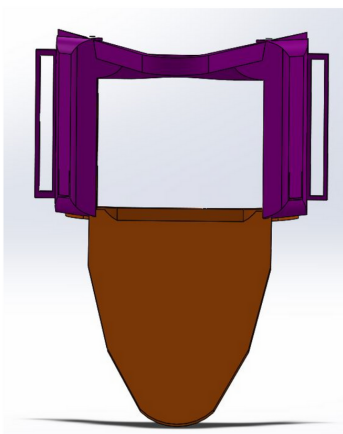
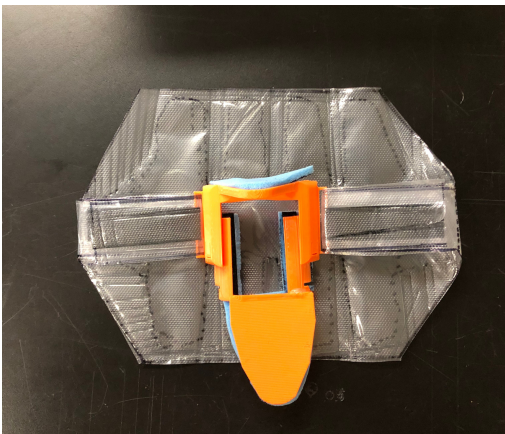
aligned
pediatrics

PEDIATRIC INFLATABLE CERVICAL COLLAR

PROVIDING COMFORTABLE
IMMOBILIZATION TO AVOID
WORSENING INJURIES.

MAIN FEATURES:

- inflatable back adjustable to child
- foam-lined chin support tailored to child-specific anatomy
- velcro adjustable circumference



NOVEL DEVICE FEATURES

- Transparent inflatable balloon that allows emergency personnel to monitor trauma
- Inflates to patient anatomy
- Pointed mandible support suitable for pediatric chins
- Fast & simple method for sizing pediatric patients
- Hand pump inflation method
- Reusable & easily disinfected

INCLUDES STANDARD BRACE FEATURES

- large tracheal hole for easy manipulation of airways
- x-ray compatible
- promotes immobilization
- height adjustable chin support via push locks

HOW IT WORKS

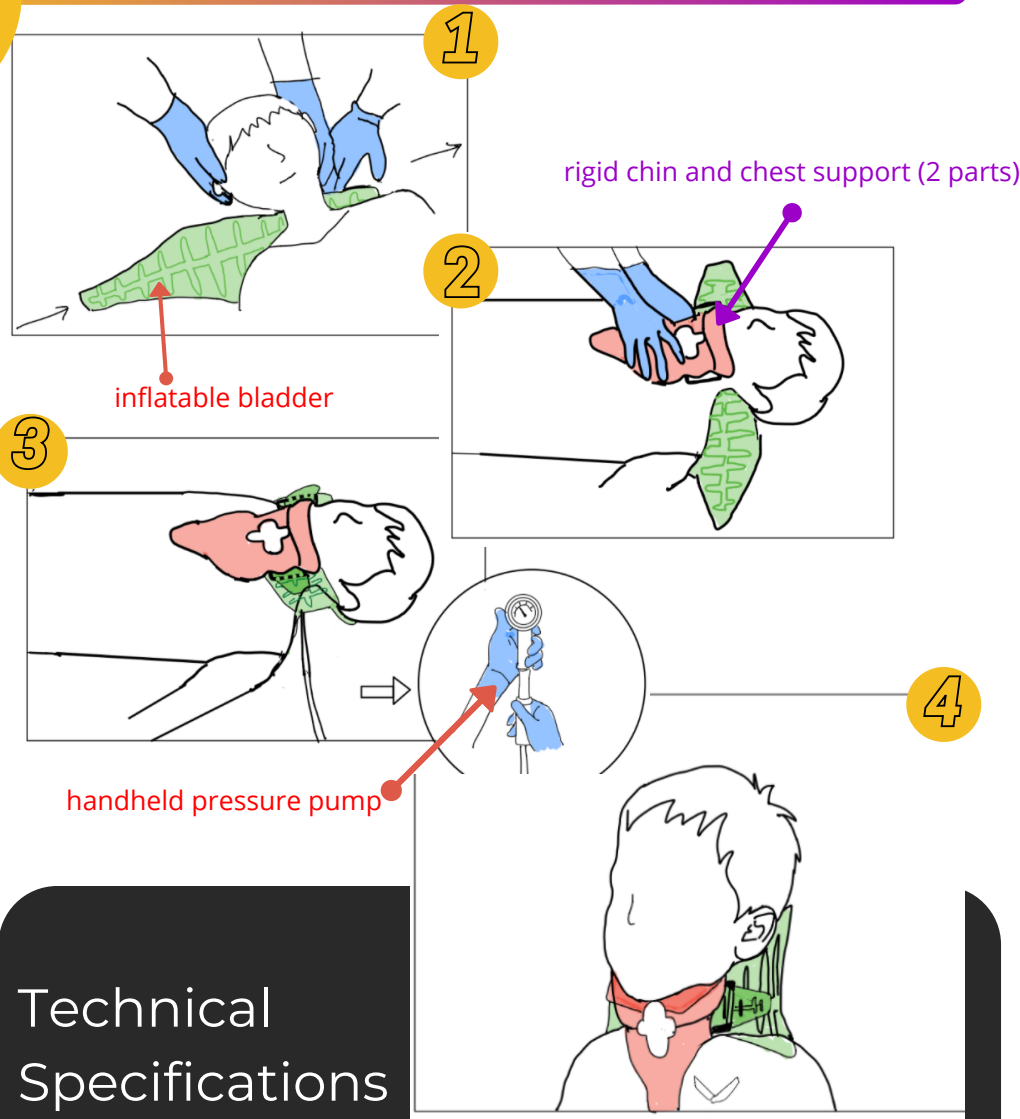
1. The emergency personnel can place the **inflatable bladder** beneath the child's head with minimal movement of the patient's head.

2. The **rigid portion** (two portions, chin support + chest support) is fitted to the child's neck using sliding locking mechanisms.

3. The air bladder is secured to the rigid portion via velcro straps. The air bladder is then inflated using a **handheld pressure pump** to fit snugly to the child's neck.

4. The child is immobilized in the inflatable collar, which provides enough pressure to decrease movement. This pressure is distributed across a wide area to decrease discomfort.

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Technical Specifications

Rigid

- chin support is at a 100-degree downward angle to compensate for pediatric anatomy
- Push locks for height adjustment
- Tracheal dimensions: 6.5 cm wide x 6.5 - 11 cm tall
- Height of Both Parts: 12.7- 19 cm
- Material: PLA

Inflatable

- Inflatable bladder is 60 cm in length and 23 cm in height
- <45 second application time - perfect for emergency settings
- Materials: polyurethane

Market Identification

- Our product targets the pediatric population for patients using cervical collars, which makes up 9% of the market share
- Incremental growth of \$63.23 mn over 5 years
- Year-over-year growth rate is estimated at 4.49%



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