

## Instructions for Use

### Adult Head Immobilizer

Model: XH-16A



## 1. Intended Purpose

The Adult Head Immobilizer is intended to immobilize and stabilize a patient's head during transport on a spine board or stretcher in emergency and trauma situations. The device helps reduce head movement and assists in maintaining cervical spine alignment.

The device is intended for use by trained medical personnel in emergency medical services, hospitals, and rescue operations.

## 2. Device Description

The head immobilizer is designed to secure the patient's head during transport. The device consists of a base plate with fastening straps and two lateral head support blocks with securing straps.

Features include:

- Anatomically shaped head blocks for patient support
- Large ear openings to allow monitoring of bleeding or fluid discharge
- Radiolucent materials compatible with X-ray, CT, and MRI imaging
- Waterproof and easy-to-clean surface
- Hook-and-loop fastening system for secure positioning

The IFU covers the following products:

- Adult Head Immobilizer Red
- Adult Head Immobilizer Green

### 3. Components

Each unit contains:

- 1 × Base board with eight D-shaped loops
- 2 × Head support blocks with round openings
- 2 × Immobilization belts
- 2 × Head straps

### 4. Instructions for Use

#### 4.1 Securing the Base Board

1. Place the base board on the spine board.
2. Insert the central top belt through the central hole of the spine board (Figure 1).
3. Thread the belt through the D-loop, fold it back, and secure it using the hook-and-loop fastener (Figure 2).



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#### 4.2 Fixing the Base Board to the Spine Board

1. Use the two belts and the middle four D-loops to secure the base board to the spine board.
2. Attach one side of the belt to a D-loop using the hook-and-loop fastener (Figure 3, Figure 4).
3. Turn the spine board over and secure the other side of the belt to the symmetrical D-loop (Figure 5, Figure 6).
4. Ensure that the base board is firmly fixed to the spine board.



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#### 4.3 Positioning the Head Support Blocks

1. Attach one head support block to one side of the base board using the hook-and-loop fastener (Figure 7).
2. Carefully position the patient's head on the base board (Figure 8).
3. Attach the second head support block on the opposite side of the patient's head and adjust it to the correct position for head immobilization (Figure 9).
4. Ensure that the blocks are positioned correctly. The head should not be immobilized too tightly and excessive space between the blocks should be avoided.
5. The openings in the blocks allow monitoring of bleeding or fluid discharge from the ears.



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#### 4.4 Securing the Head

1. Place one head strap across the patient's forehead and attach it to the two symmetrical D-loops (Figure 10).
2. Place the second head strap across the patient's chin and secure it to the remaining symmetrical D-loops (Figure 11).
3. Ensure that the patient's head is securely immobilized while maintaining patient comfort.



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### 5. Warnings and Precautions

- Use only by trained medical personnel.
- Do not overtighten the securing straps.
- Ensure that the patient's airway is not obstructed during immobilization.
- Inspect the device before each use for signs of damage or wear.
- Do not use the device if components are damaged or missing.

### 6. Cleaning and Maintenance

After each use:

- Clean the device using a mild detergent and water.
- Wipe dry using a clean cloth.
- Do not immerse hook-and-loop fasteners in water for extended periods.
- Allow the device to dry completely before storage.

## 7. Storage and Transport

- Store in a dry, well-ventilated environment.
- Protect from excessive heat and direct sunlight.
- Avoid stacking heavy objects on the device during storage or transport.



## 8. Product Lifetime

The product should be inspected before each use. Replace the device if visible damage, excessive wear, or loss of fastening performance occurs.

## 9. Disposal

Dispose of the device in accordance with local regulations for medical devices and plastic materials.

## 10. Symbols on the Label

Symbol	Meaning
CE	CE marked medical device
LOT	Batch number
UDI	Unique Device Identification
Manufacturer	Manufacturer information
EU REP	Authorized representative in the EU
	Consult instructions for use
	Keep dry

## 11. Manufacturer

**Zhangjiagang Xiehe Medical Apparatus & Instruments Co., Ltd.**

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## **12. Authorized Representative in the EU**

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## **13. Distributor**

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