

# Pediatric Positioning Chair

## User Manual



**CiD** clear image devices <sup>LLC</sup>

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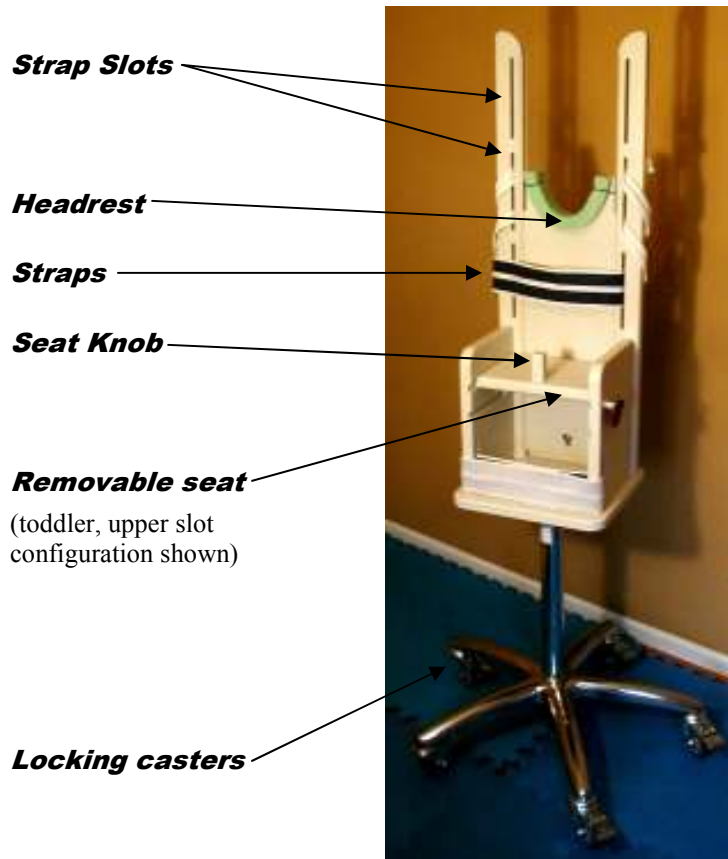
## About the Pediatric Positioning Chair

The Pediatric Positioning Chair, by Clear Image Devices, facilitates the taking of x-rays of young children quickly, accurately, and safely. Some of the features and advantages of using the Pediatric Positioning Chair are:

- Patient immobilization is done gently but securely.
- The patient is secured only once: the chair rotates, positioning for different views.
- Keeps patient as close to the film as possible to ensure high quality images.
- Elimination of virtually all retakes, saving time and money.
- Adjustable back and head-tilt support fits patients of all sizes.
- Critical chair components are x-ray lucent for excellent x-ray contrast.
- Made of germ-resistant, easy-to-clean nonporous polyethylene.
- High-quality lockable casters provide mobility and stability.
- Simple, reliable, and virtually indestructible.

## Chair Construction

The main parts of the Pediatric Positioning Chair are indicated in the following illustration. The use of each part will be described in the *Using the Pediatric Positioning Chair* section of this guide.



## Seating Configurations

The Pediatric Positioning Chair has two seating configurations: one for infants and another for toddlers. A form-fitting "saddle" seat is used for infants, while a "bench" seat is used for toddlers. Both seats feature a saddle horn knob that aids in positioning and supports a protective genital lead shield.

The seats slide easily in and out of the two slots, as shown here:



Although the final seating choice rests with the technician, the toddler configuration can generally be used for a child of exceeding 1-1/2 years whose head can fit comfortably into the headrest while still allowing the chin to be slightly elevated. The lower seat slot will be used for taller children, typically over 3 years old.

#### Available X-Ray Positions

The Pediatric Positioning Chair can be used for the following types of x-rays and views:

	<b>A-P (Anterior- Posterior)</b>	<b>Lateral</b>	<b>Oblique</b>
<b>C-Spine</b>	X	X	X
<b>Chest</b>	X	X	
<b>Abdominal</b>	X		
<b>Airway</b>	X	X	
<b>Standing Lower Extremities</b>	X		

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## Using the Pediatric Positioning Chair

Before taking x-rays, there are two preparatory series of steps:

- Preparing the chair.
- Preparing the patient.

### Preparing the Chair

1. Lock the seat in place (either infant or toddler configuration) using the pin shown here:



2. Position the chair next to the bucky.
3. Place film in the bucky adjusting the position of the film.

4. Lock the casters in place using the foot levers shown here:



### **Preparing the Patient**

1. Place the patient on the seat.
2. Hold the patient's head securely and attach the Velcro belly strap:



NOTE: The back of the chair contains Velcro strips allowing you to quickly secure all straps.

3. Position the headrest by turning the knob and moving the chair back up or down. The back of the patient's head should rest comfortably within the padded crescent, while also allowing them to lift their chin up. Turn the knob again to lock the chair back in place:



4. Secure the chin strap using the Velcro strips on the back of the chair:



5. For C-Spine and Magnified Airway images, position the arms in the down position and secure the elbow straps just above the joint:



For Chest and Abdominal images, position the arms in the up position. Secure the first strap below the elbow and then secure the wrist strap.



NOTE: For Abdominal images, the seat knob may be removed during imaging (see step #8).

6. For toddlers, place feet behind the anti-kick strap (optional):



7. Attach the seat knob:



NOTE: For Abdominal images, the seat knob may be removed during imaging (see step #6).

8. Position the genital shield:



At this point, you are ready to take the x-ray(s), rotating the chair to quickly reposition it as needed between takes:

With the patient in place, you may take all of the necessary views without any repositioning. This allows for a convenient, fast, and more accurate procedure with minimal impact on the patient.



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### **Maintenance of the Pediatric Positioning Chair**

The Pediatric Positioning Chair by CID is made of scratch-resistant polyethylene polymer with a radio lucent chair back.

To clean the chair, simply use a damp cloth. To disinfect, use a standard hospital disinfectant.

All straps are washable and may be put in the hospital laundry.

*Clear Image Devices' series of positioning devices is the result of innovative research and design, responding to the expressed needs of radiographers. CID produces high-quality products that enhance medical care and promote the continued advancement of medical imaging.*

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