



# OPERATORS MANUAL

## T-100 MRI Stretcher



MRI CONDITIONAL  
TO 3 T.0 TESLA



## Introduction

Thank you for purchasing the T-100 MRI conditional Patient Stretcher. This product is manufactured and tested to the highest standards and is guaranteed MR Conditional up to 3 Tesla.

This product is manufactured by Troyka Med Inc. at our factory based in Ankara, Turkey, to BS EN ISO 13485:2016

To ensure that you obtain maximum benefit from the T-100 Stretcher, please take a few minutes to read the enclosed information regarding operation, service and maintenance. After reading this manual, store it in a safe place for future reference.







If you have any problems in the meantime or would like any advice about this or any other MR products from the Troyka Med range, Please contact us at the following address

### Troyka Med Inc.

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E-mail: [info@troykamed.com](mailto:info@troykamed.com)

Website: [www.troykamed.com](http://www.troykamed.com)

	Protect from direct sunlight		Protect from rain and humidity		MRI conditional up to 3 Tesla
	Read user manual		Manufacturer		ISO13485 ISO 9001 Class I medical devices

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ISO 13485:2016

## MRI Safety Definition for MRI as Defined by International Standards ASTM F2503-13

	<p><b>MR SAFE</b></p> <p>An item that poses no known hazards resulting from exposure to any MR environment MR SAFE items are composed of materials that are electrically nonconductive, non-metallic, and nonmagnetic.</p>
	<p><b>MR CONDITIONAL</b></p> <p>An item with demonstrated safety in the MR environment within defined conditions. At a minimum, address the conditions of the static magnetic field, the switched gradient magnetic field and the radiofrequency fields. Additional conditions, including specific conditions of the item, may be required.</p> <p>Supplementary marking – additional information that, in association with marking as “ MR CONDITIONAL ” states via additional language the conditions in which as item can be used safely within the MR environment.</p>
	<p><b>MR UNSAFE</b></p> <p>An item with poses unacceptable risks to the patient, medical staff or other persons within the MR environment.</p>



## 1. General Specifications

The T-100 MR Stretcher is designed to be MR conditional and is manufactured and tested to the highest standards.

The T-100 is constructed from three main materials 304 stainless steel, aluminum and plastic

This heavy-duty, all stainless-steel frames, non-magnetic stretcher is an ideal unit for MRI patient transport. Finished in attractive white powder coat, it comes complete with matters, restraining strips and retractable guard rails. Although light in weight for easy, controlled mobility, the MRI Stretcher accommodates up to 160 Kg patient safely and comfortably.

It rolls on 125 mm ball-bearing swivel casters that lock firmly to secure the stretcher in place when positioned.

## 2. Technical Specifications

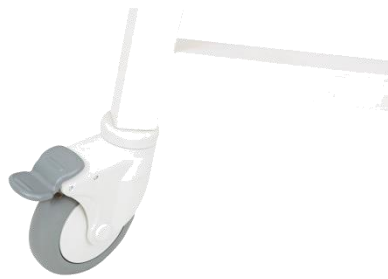
<b>Manufacturer</b>	Troyka Med Inc.
<b>Model:</b>	T-100
<b>Dimensions</b>	60x190x80
<b>Color</b>	9010 Pure white
<b>Main construction material:</b>	Stainless steel
<b>Guard rails</b>	Plastic Injection and aluminum
<b>Wight capacity</b>	160 Kg $\pm$ 10
<b>Weight</b>	48 kg
<b>Origin</b>	Turkey

**Important Note:** Unpack the MRI stretcher and inspect for damage. If the MRI stretcher is not damaged, dispose the package.

## 3. Operating Instructions

- To place the patient from another stretcher to the MRI stretcher:
  - Lock the casters (Fig 1.) to prevent mobility of MRI stretcher.
  - Position the patient stretcher alongside the MRI stretcher and carefully transfer the patient onto the MRI stretcher.
- To place the ambulatory patient on the MRI stretcher:
  - Lock two casters.
  - Use a non-magnetic step stool and request the patient to get up on the MRI Stretcher and lie down.





**Fig 1:** Lock of the casters

3. Raise the side rails by lifting up on each rail until it locks into place (Fig 2).



**Fig 2:** Raise the side rails.

4. Unlock the casters.
5. Move the MRI stretcher into the MRI room and position it next to the MRI gantry.
6. Lock the casters.
7. To lower the side rail next to the MRI gantry, push the unlock button on the top side toward the front side of the rail (Fig 2).
8. Slide the patient onto the gantry table.
9. Remove the MRI stretcher from the MRI area during the study.
10. When the study is done, reverse the above procedure.

## 4. Unpacking and Inspection

When the T-100 MRI Stretcher arrives, inspect all shipping containers for evidence of physical damage. If there are any dents, screeches or other evidence of physical damage to the boxes, Troyka Med or your local dealer, note the damage on the shipper's copy of the bill of lading and file a claim against the shipper.

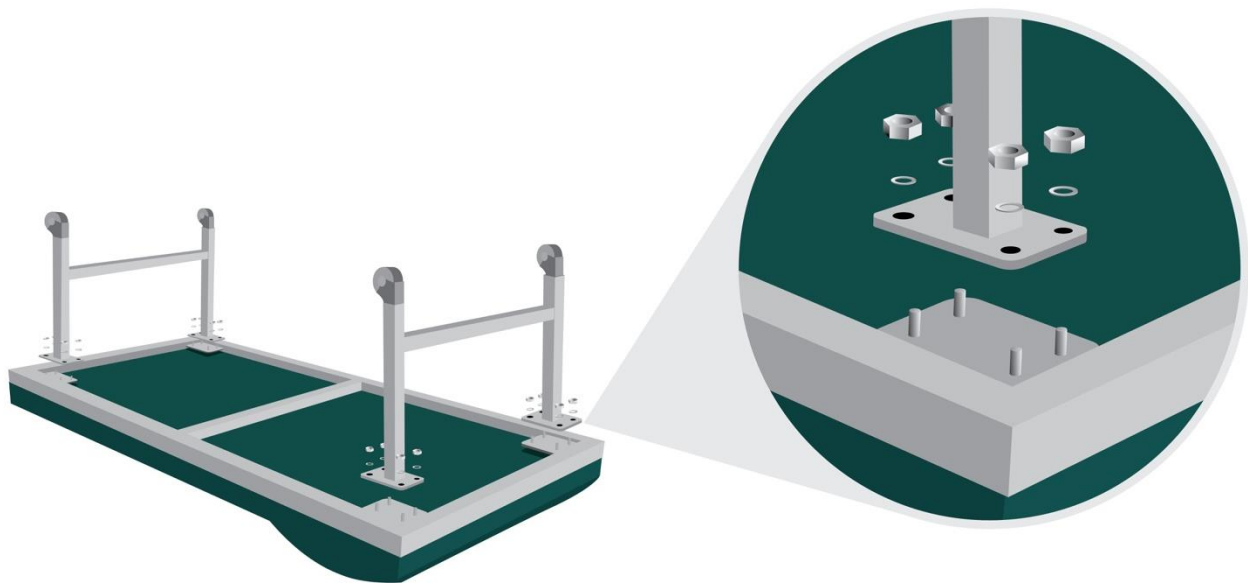


In the case of shortages or malfunctions, notify Troyka Med immediately to arrange for the replacement or repair. If purchased through a distributor please contact them for assistance. Save all packing containers and materials for Troyka Med MR Stretcher in the event. It may need to be returned to Troyka Med for replacement or repair.

## 5. Installation Instruction

T-100 MR Stretcher requires minimal installation before it is ready to use. Fig 3. describes the installation procedure.

1. Cut the nylon strips that wraparound of the container.
2. Take off the top of the container.
3. There are 4 flanges at each corner of the frame. Each flange has 4 fixed bolts with screwed nuts and washers on it.
4. Unscrew all the nuts and take off the washers.
5. Place two foots of the Stretcher as is described in Fig 3.
6. Place washers first and screw the nuts strongly. Use 16-17 screw-wrench to screw the nuts.
7. When you turn down the stretcher on its casters, it will be ready to use.



**Fig. 3.** Drawings showing installation instruction

## 6. Maintenance

It is strongly recommended that the following checks to be carried out on a monthly basis by hospital personnel to ensure trouble-free operation of the stretcher.



- Check the table top for cracks or other obvious signs of damage or contaminations. Report any damage found.
- Check mattress and corner buffering for any signs of damage or contamination, report damage or clean where necessary with a mild soap and water.
- Check casters for free movement and locking. Check for and move any debris that may have become caught in the brake and around the axle. This is a common occurrence and can lead to a shortened life expectancy of the castors if left unattached.
- Check the backrest for ease of movement, and also its ability to lock in any position.
- Check the ability of lock of the side rails.
- Check the nuts which is connecting feet of the Stretcher to the frame (Fig 3). Tighten the loosen nuts if needed.

## 7. Cleaning

- The Stretcher should be cleaned with a disposable cloth wrung out in a solution of warm water and detergent. The stretcher should be rinsed with warm water and dried thoroughly with paper towels.
- If required, the stretcher can be washed down with hand hot sodium hypochlorite solution up to 1% or 10000 parts per million chlorine combined with a detergent as recommended in the NHS Healthcare Cleaning Manuel and CDC Guideline for Disinfection & Sterilization in Healthcare Facilities.

## 8. Do's and Don'ts

### Do ensure that the following are observed

- Where door thresholds or similar obstructions are found (i.e. lift entrances /exits) care must be taken as hitting obstructions at normal walking speed with the wheels may damage them.
- The stretcher should only be used by properly trained staff at all times.
- The stretcher must be moved by 2 people when transporting a patient.
- When a patient is on board the side rails must be in an upright locked position before moving the Stretcher.
- The stretcher must only be used for the purpose for which it was designed.
- The stretcher should be kept clean at all times and should be wiped over with a sterile wipe between patient cross contaminations.
- No material with ferrous content should be attached to or placed on the stretcher.

The stretcher should be serviced regularly, but only by Troyka Med trained engineers, as they will carry the correct spares to guarantee the continued safety and compatibility of the stretcher. Failure to comply with this will invalidate your warranty and could compromise its MR compatibility and therefore safety.



## Don't

- Lift the stretcher upwards by the top.
- Push the stretcher over tough or uneven surface.
- Drop heavy or sharp objects onto the table top.
- Push the stretcher by the side rails, these are only for patient safety.
- Place a weight of over the equivalent of 160 kg onto the stretcher.
- Place a weight beyond that normally encountered in normal usage, on either the head or foot sections.
- Spill oil or other liquid chemicals on the cover mattress.
- Attempts to rectify any faults on the Stretcher without contacting Troyka Med.
- Use the stretcher without a mattress.
- Leave the stretcher unattended when in use.

