



User Manual

TKLS7C

HYDRAULIC TRANSFER STRETCHER



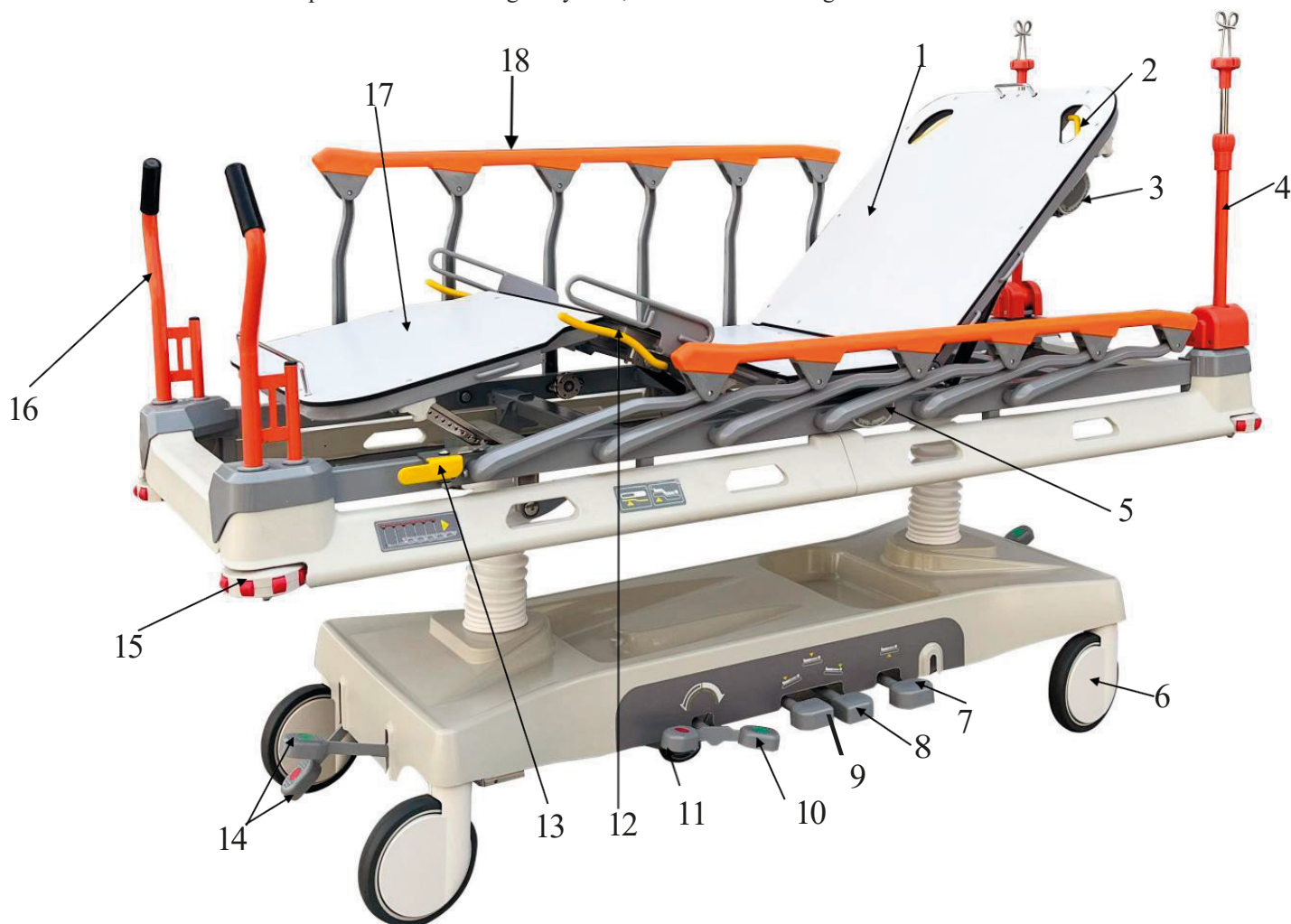
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I. Structure, technical specifications, features, operation conditions, target application places and contraindication

1.1 Structure

This product consists of a bed, two hydraulic cylinders, a back gas spring mechanism, a leg gas spring mechanism and a foot switch. The bed posture can be changed by foot, back switch and leg switch. .



compositions:

- | | | |
|-----------------------------------|-----------------------------------|----------------------------|
| (1) ——Head Bed Board | (2) ——Switch | (3) ——Back angle indicator |
| (4) ——I.V. Pole | (5) ——Bed surface angle indicator | (6) ——Castor |
| (7) ——Bed Ascending Pedal | (8) ——Rev-Trendelenburg Pedal | (9) ——Trendelenburg Pedal |
| (10) ——Pedal for Direction Castor | (11) ——Direction Castor | (12) ——Leg adjustment |
| (13) ——Side Rail Switch | (14) ——Brake Pedal | (15) ——Bumper |
| (16) ——Handholder | (17) ——Foot Bed Board | (18) —— Side Rail |

1.2 Technical Specifications

Main Material	Steel framework, foldable side rail. Isolating glass fiber bed board, ABS chassis cover.
Overall Size	2170mm×780mm (±5mm)
Bed Board Size	1915mm×630mm (±5mm)
UP& DOWN	575mm--790mm (±5mm)
Castors	4 pcs ϕ 200mm universal castors , 1 pc ϕ 100mm direction castor
Back-rest lifting	0-75°±3°
Leg-rest lifting	0-40°±3°
Trendelenburg & Rev	0-12°±1°
Net Weight	148KG
Operating Noise	250KG
Main Material	<65dB(A)

1.3 Features

Ascending and descending bed body can be realized by treading pedal switch.

1.4 Operation Conditions

This product is supposed to be used in hospitals and similar sites.

Expected operating environment:

- a) Environment Temperature Range: 10°C~40°C ;
- b) Relative Humidity Range: ≤80% ;
- c) Atmosphere Pressure Range: 760hpa~1060hpa ;

1.5 Target application places and contraindication

1.5.1 Target Application Places

Emergency clinic and similar places.

1.5.2 Target users

Patients that need to be rescued or transferred.

1.5.3 Contraindication

Unknown.

II. Precautions for Safe Use and Notices

- Make sure the bed board is in flat position when the patient is unattended and may get stuck (such as the condition where the patient lost sense of direction because of medicine effect ect.)
- Make sure the bed is in lowest position when the patient is unattended in order to reduce the risk of rolling down from the bed.
- Children or the people who do not know how to operate are not allowed to operate the crank, otherwise it may result in damage to the bed.
- When adjusting the bed, please do not put your hand (finger) or foot in between bed body and bed board, you may get stuck by the descending board and stretcher frame.
- Make sure the side rail has ascended in right position when using it. Please note the side rails can not bear heavy load.
- Please be careful when adjusting height to avoid get hit on wall or beam ect.
- Please tread brake after using, and unlock brake before using to avoid damage to the castors.
- Keep it away from fire. DO NOT use it in the environments where there's inflammable anesthetics mixed with air, oxygen or nitrous oxide.
- Please do not sit on the back panel and leg panel when they are rising. The support part of the panel is under great force and is prone to deformation.
- Please use the medical stretcher in the correct direction, with the head facing the head of the bed.
- Please do not assemble with products other than the specified products. Please do not repair or modify by yourself.

★ **Special attention:** When you need to move and lift the push bed, please first lower the bed to the lowest position, then fix the bed frame and the chassis (you can use ropes) to prevent the cylinder from running empty and stretching, causing danger, and then carry it.

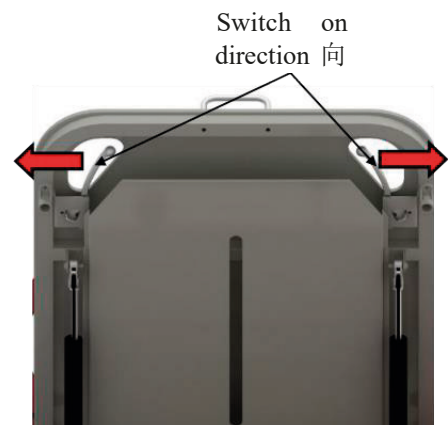
■ Please strictly follow the product usage method in the product manual. If you do not follow this method, it is easy to cause equipment failure and personal injury.

3.2 Backrest (0-75° ±3°)



Controlled by gas spring.

Backrest ascending---As shown in the figure turn on the gas spring switch on each side with both hands. Under no-load condition, hold slightly on the back to avoid ascending too fast. Under load condition, switch on and



give a little force upward to adjust the backrest to suitable position.

Backrest descending---Turn on gas spring switch and give pressure downward to make backrest descend. It will stop once the switch turned off.

There is a protractor on the back of the bed near the head of the bed to measure the angle of the back tilt.



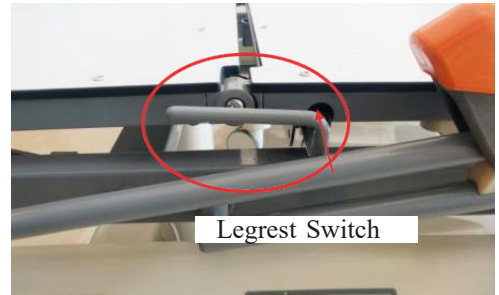
Back angle indicator

3.3 Legrest (0-40° ± 3°)



Legrest ascending---raise up switch to raise up legrest board.

Legrest descending---raise up switch and press legrest board in the same time to make it descend.



Legrest Switch

3.4 Side Rail

Side rail will go down towards head board when switch turned on (mind your hand).

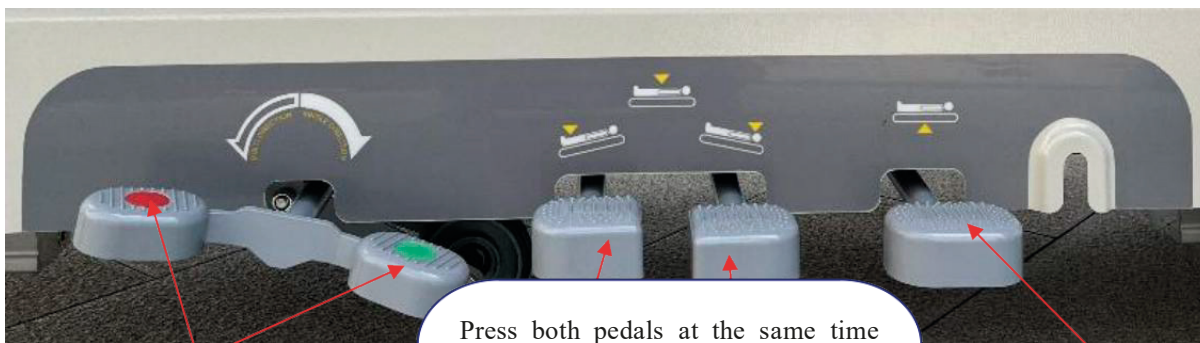
Raise up side rail and lock it with the switch to make it remain standing.



Switch

Side Rail down

3.5 Pedal



When you step on the green pedal, the caster will move in a universal direction; when you step on the red pedal, the guide caster will touch the ground and the vehicle can move in a straight line.

Press the positive tilt pedal and lower your legs

Press the anti-tilt pedal and lower your back

Press this pedal to raise the bed level

Note: When the bed rises to the highest height, step on the forward and reverse tilt pedals to achieve the maximum tilt angle.

3.5.1 UP & DOWN



The bed rises. Please step on the bed raising foot pedal and the bed will rise as a whole.;

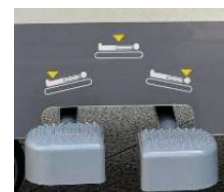


UP & DOWN pedal

3.5.2 Trendelenburg & Rev. Trendelenburg (0-12° ± 1°)



If the foot pedal is tilted backward, the head will tilt downward;
If the foot pedal is tilted forward, the leg will tilt downward.



To lower the bed, please step on the forward and reverse tilt foot pedals at the same time, and the entire bed will lower.

High-low: 790mm-575mm (± 5 mm) (castor diameter 200mm)

There is a protractor on the bed panel near the foot of the bed to measure the angle of the bed surface.



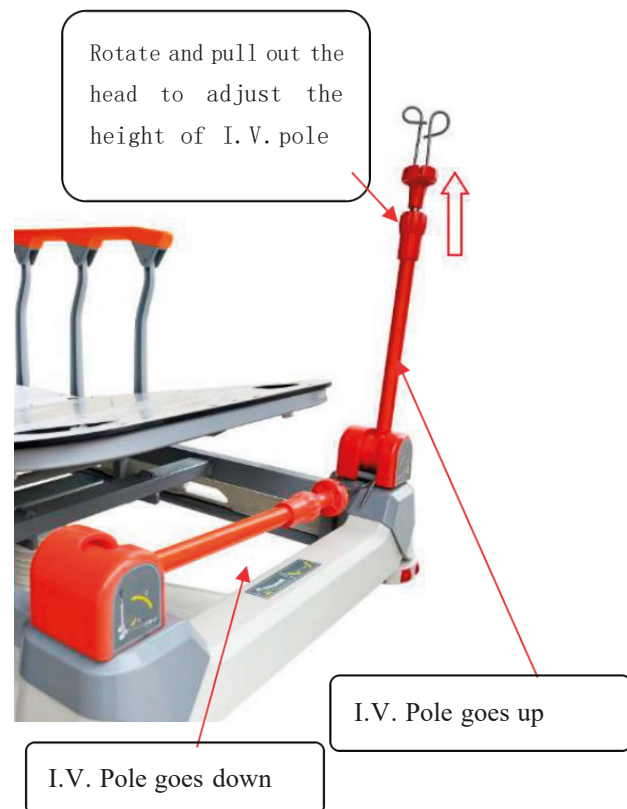
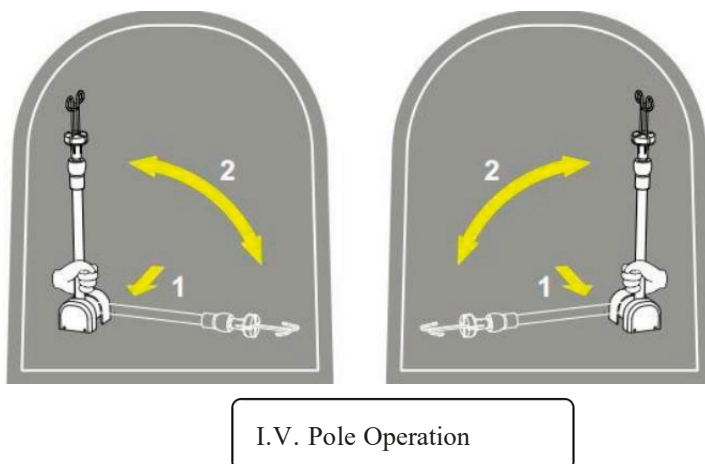
3.6.3 How to use the guide wheel

The guide wheel device plays a role in directional straight driving. If you want to drive straight, step on the pedal with a "red" stripe on the side, and the guide wheel will touch the ground; if you do not want to drive straight, you can step on the pedal with a "green" stripe on the side, and the vehicle body can move in any direction. (As shown in the figure)



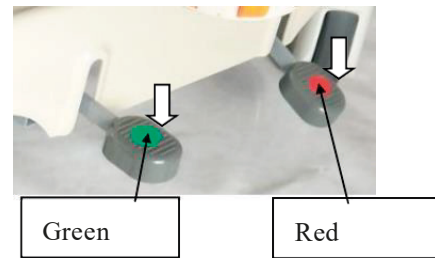
3.7 I.V. pole

Hold the lower part of the salt water rack and pull it outwards at the same time to stand up or fold the salt water rack. (As shown below)



3.8 Brake System

Press the red pedal to keep the brake position ,stretcher will be stopped
Press the green pedal to release the brake ,stretcher cane be moved



IV. Cleaning, Maintenance, Storage and Transporting

4.1 Cleaning and maintenance

■General cleaning for stretcher and side rail

Clean it with soft cloth which dip with diluted neutral detergent ,then clean off the diluted neutral detergent by cloth with clean water , finally, wipe it with dry cloth.

Sterilize it thoroughly after using by patients that with infectious disease. Under the condition of cleaning thoroughly, please sterilize it in low temperature environment.

※ Do not use volatile items (diligent, volatile agents, gasoline)

※ Forbidden to touch water. (Please do not put water on bed, otherwise it may cause electric shock because of short circuit.)

■Preventive safety inspection and maintenance

Preventive safety inspection and maintenance only allowed for Professionals

Check stuck situation , loose fasteners and any presence of safety risks.

Add lube to the moving parts to assure smooth working

Inspection and maintenance intervals for 1 year

4.2 Transporting and Storage

■Storage

Avoid store it in extreme cold,heat,dust or humidity environment

Optimum temperature in - 10 °C to 40 °C, relative humidity less than 80% RH, atmospheric pressure range:
760 hpa ~ 1060 hpa.

No corrosive gas, well-ventilated room.

Adjust the height of this stretcher to the lowest .do not put stuff on the stretcher, especially heavy stuff

■Transporting

The electric transfer stretcher can be transported by normal conveyance after packaging. Strong impact, vibration, squeezing and damp should be avoided during transport.



V. Common Faults and Exclusion

- Please check if power source level, frequency and power ect. meet with requirements before operating.
- Please plug power off before removing foot bed board. Maintenance work must be supported by professionals.

Common Faults	Cause of the faults	Exclusion
Bed board is not flat	Backrest position	Please raise up the red handle blow the head bed board to adjust the backrest board to suitable angle.
Sound and noise during the stretcher's movement	Over load	Confirm to avoid over load
	Foreign matter stuck in the stretcher Or moving parts stuck	Check the noise source then remove it Add lube to the moving parts to make it work smooth
Stretcher can not be moved Or can only be moved straightly	On brake position Or The direction is touch the ground	Release the brake Press the "Blue" pedal on Direction castor pedal ,then stretcher can be moved freely

VI. Packing List

NO.	Item	Qty	Note	NO.	Item	Qty	Note
1	Stretcher	1pc	Bubble pack	2	Handholder	1set	Bubble pack
3	Lock switch	2pcs	Bubble pack	4	User ' s manual	1pc	

VII. Quality Assurance and After-Sales Service

■ After purchasing the product, please operate it correctly according to the product manual and label instructions. If a fault occurs during the warranty period, please call our after-sales service and enjoy 1 year of free repair service. If the warranty period has expired, if the customer has any questions about product repair, please contact our company.

■ No free warranty service will be provided in the following cases.

- (1) Failure and damage caused by improper use or unauthorized disassembly, assembly, or repair of the product.
- (2) Failure and damage caused by moving, installation, or transportation after purchase.
- (3) Failure caused by fire, smoke, abnormal voltage, earthquake, lightning, flood, or other natural disasters.

VIII. Production date, expiration date or expiration date

Production date: see packaging or brand name

Expiration date: 5 years



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