



protec

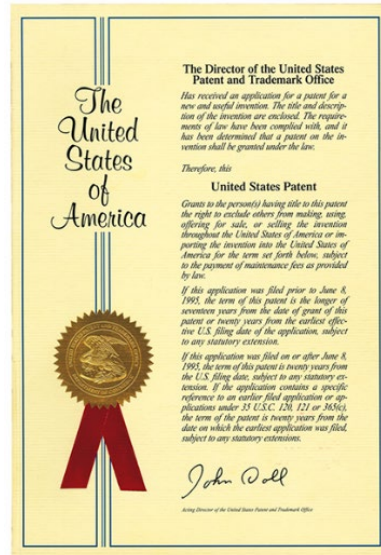


Development by MEDICA



Features of the Protec

- 1 Removes upper body weight from the lower back without traction.**
- 2 Allows for both "Gravity Removal Therapy" and "Exercise Therapy" simultaneously and simply.**
- 3 Effective for acute back pain with immediate results; treatment possible without lying down.**
- 4 Minimal burden on patients, allowing even elderly individuals to receive treatment.**



Treatment Method Patent Also Acquired from the USPTO

FDA Approved Medical Device

The Protec Back Pain Treatment Device was developed as a medical device for industrial back pain countermeasures through joint development with the former National Institute of Industrial Health, Ministry of Health, Labour and Welfare. The Protec Back Pain Treatment Device has patents in Japan, the United States, and CE. It has obtained medical device approval under Japan's Pharmaceutical and Medical Device Act, and medical approvals from various countries including the FDA (U.S. Food and Drug Administration). It is currently used in medical institutions in 32 countries worldwide.

The Protec lumbar treatment device can simultaneously perform two therapies.

Gravity-Reduced Therapy

To relieve the load of the upper body on the lumbar spine.



This device removes the upper body weight (estimated to be 60% of total body weight) from the lumbar region, thereby reducing lumbar compression and muscle tension, which in turn alleviates pain.



Physical Therapy

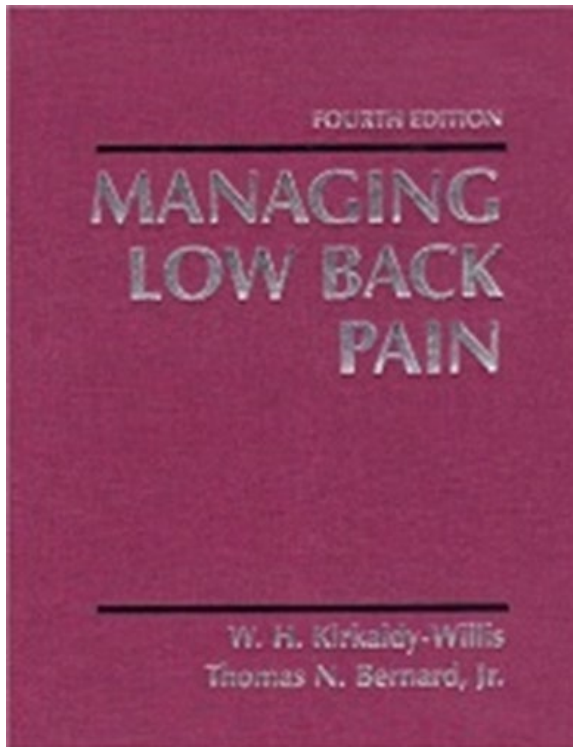
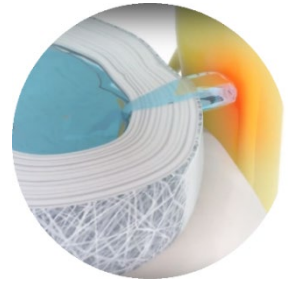
Perform spinal manipulation, including rotational movements of



Gravity elimination therapy allows for exercise therapy to be performed with reduced muscle tension and pain.



Evidence for Gravity-Reduced Therapy



"Managing Low Back Pain" by W.H. Kirkaldy-Willis

"This treatment (Gravity-Reduced Therapy) consistently yields surprisingly high therapeutic effects, with 92.8% of patients reporting satisfaction in post-treatment follow-up surveys."

"This therapy is also effective for low back pain prevention and prognosis."

"70-80% of patients with disc herniation who would have required surgery were able to treat their low back pain without surgery using this therapy."

University of Minneapolis Clinical Trial for Low Back Pain (Managing Low Back Pain)

"Effective in 92.9% of 1,129 low back pain patients." (1993)

The Protec lumbar treatment device is Japan's first domestically produced medical device that can perform Gravity-Reduced Therapy.

Do not use for more than 10 minutes.

If pain occurs when lowering the chair, stop immediately.

By following just these two rules, effective low back pain treatment can be achieved.

The Protec lumbar treatment device is used in medical institutions worldwide, including Brigham Young University's Sports Medicine Department, the University of Missouri's Sports Medicine Department, and Ohlone College's Physical Therapist Assistant Program.



Evidence for Physical Therapy



Japanese Clinical Practice Guidelines for Low Back Pain 2012, Clinical Question 11



Regarding the question "Is Physical Therapy effective for low back pain?", it states, "Physical Therapy is strongly recommended as one of the conservative treatments for chronic low back pain."

The Protec lumbar treatment device can remove the upper body's gravitational load on the lumbar region, thereby suppressing lumbar compression and muscle tension, and creating a state of reduced pain.

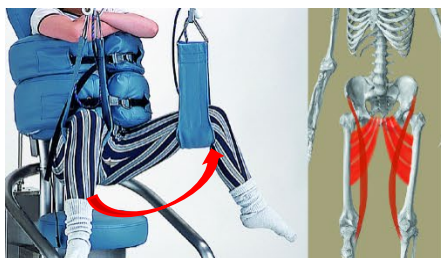
This allows for the early initiation of Physical Therapy not only for chronic low back pain but also for severe acute low back pain, as the Protec lumbar treatment device can create a pain-reduced state.

This enables spinal manipulation, including rotational movements of the lumbar spine, to be performed in a pain-free state. *

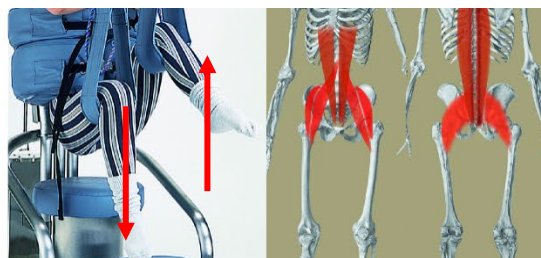
*However, please adhere to these two rules:

- ①Do not use for more than 10 minutes.
- ②If pain occurs when lowering the chair, stop immediately.

Examples of Mobilization and Stretching Possible with the Protec Lumbar Treatment Device



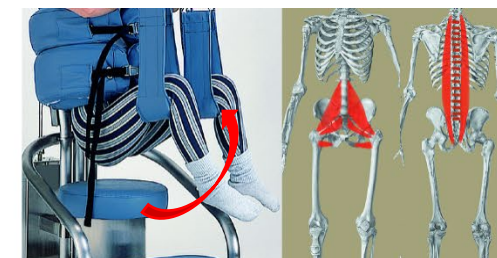
Hip Abduction



Hip Flexion and Extension



Hamstring Stretch



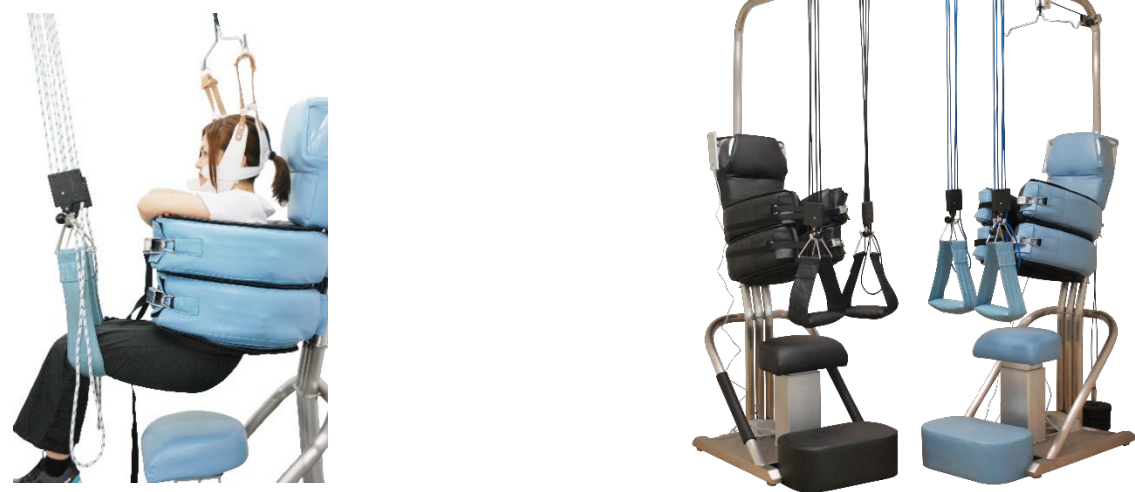
Lumbar Spine and Pelvic Rotation

Product Specifications



Options

Cervical Decompression Set



Motor	
Input	AC100V
Output	DC24V
Stroke	400mm
Thrust	2000N
Dimensions	
Height	2200mm
Width	600mm
Depth	1000mm
Weight	100kg
Usable Patient Weight	200kg
Colors	Blue/Black
Manufacturer/Distributor	
Medica Inc.	
2-2-15 Miyazono, Nagareyama City, Chiba 〒270-0155, Japan TEL:04-7158-5421 FAX:04-7158-5439 Mail:medica@medica7.com http://www.medica7.com	