



Rocker

INTERSPINOUS PROCESS SYSTEM

“Easier than you think”

TREND[®] Intervertebral Spacer System
Rocker Intervertebral Spacer

BIOMECH 
Paonan Biotech Co., Ltd.

Introduction

ROCKER

Rocker Interspinous Process System

is a decompression spacer that is used to relieve pain from degenerative disc disease. With its unique mechanical design, placing and matching between interspinous process and interlamina to increase the support stability.



“Increase the support stability”
“As easy as you see”

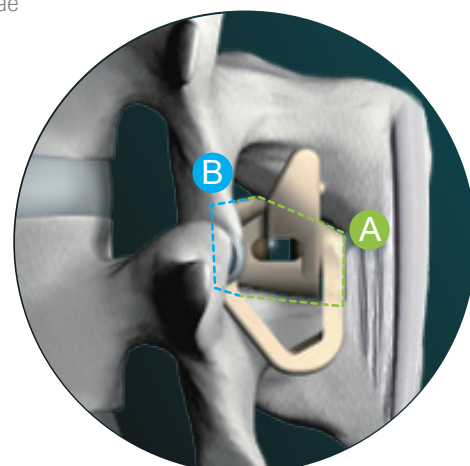
Anatomic Design

- Anatomic H-shape stabilization
H-shape would further enhance the stability between vertebrae

- Keels
Prevent movement and back out

- A** Interspinous Support
To buffer the intervertebral loading during flexion and extension, and to maintain intervertebral space with dynamic stability

- B** Interlamina Support
Anatomic shape to match the contact surface with base of interspinous process



Features & Benefits

Effect

- ➔ Restoration and decompression
Restore the disc height and realign the facets by distracting the foramen, it would not only help stopping the progression of the degenerated vertebrae but also reduce compression loading on the disc, annulus and facets.
- ➔ Non-fusion
Non-fusion procedures would allow the spine to re-stabilize toward its natural biomechanical state, rebalance of the spinal segment, and restore natural anatomical function.

Safety

- ➔ Uni-lateral approach
- ➔ No damage to bone and soft tissue preservation
User-friendly with the advantages of no removal of bone and no risk to neural elements under minimal invasive incision.

Reliability

- ➔ Supraspinous ligament preserved
- ➔ PEEK material for safety, radiopaque and biocompatibility

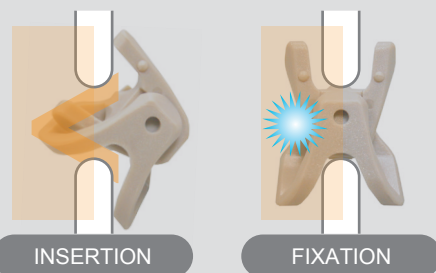
Ease use No assembling hassles during the surgery

Implantation

The Rocker device integrates the implantation steps from insertion to fixation into one fluent process and would be automatically locked up as it is fixed in place. The approach of the implantation can be done uni-laterally, and it's rather safe as it's minimally incision.

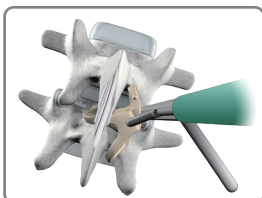
- Unique Locking Mechanism

With its patented design, it would be automatically locked up once it's fixed in place.

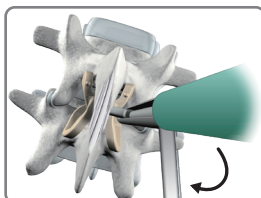


- Easy Procedure

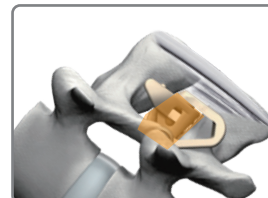
- 1 Insertion



- 2 Twisting driver handle



- 3 Automatical locked for perfect fit



Introduction

Reversible Spinal Surgery

Interspinous Process System

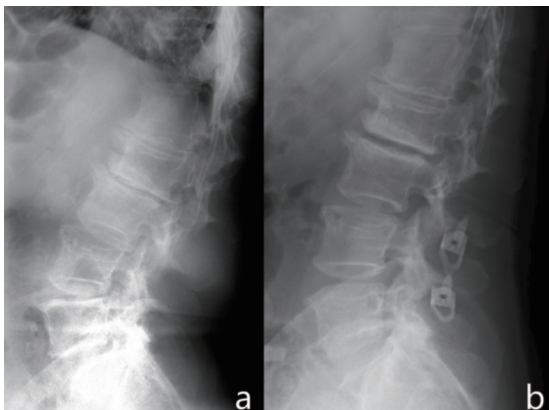
Interspinous Process Decompression System (IPD) procedures can be performed for the spine as the restabilization toward its natural biomechanical state, also for rebalancing of the spinal segment, restoring natural anatomical function, and perhaps lead to some degree of "recovery". These procedures will fill the large gap in the treatment continuum while being reversible and delaying a permanent surgical procedure such as a spinal fusion. It can prevent the instability usually brought by the decompression as well.

Implantation

IPD is placed between the spinous processes of the symptomatic disc levels. The IPD is not only to reduce loading on the disc, annulus and facets, but also increase the space of the spinal canal and foramen, relieving patients' symptoms.

Advantages of Rocker

- ➔ Remain flexion and control extension to prevent the narrowing of spinal canal and foramen
- ➔ Reduce incidence of adjacent-level degeneration after lumbar spinal fusion
- ➔ Reversible for future alternatives
- ➔ Reduce load sharing of the disc and facet
- ➔ Realign the facets and restore foramen height



X-ray measurement of lumbar showed that PDH and FH were significantly increased after operation

ROCKER INTERVERTEBRAL SPACER

REF	Height (H)
3300-08N	8mm
3300-10N	10mm
3300-12N	12mm
3300-14N	14mm
3300-16N	16mm
3300-08	8mm
3300-10	10mm
3300-12	12mm
3300-14	14mm
3300-16	16mm