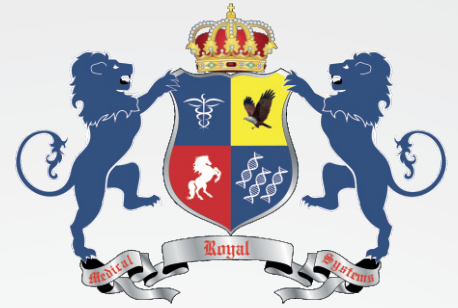




non surgical

SPINAL
SOLUTIONS

The SpineDx Decompression treatment device is used to help relieve the pain and symptoms caused by nerve compression in the spine. For many patients diagnosed with nerve compression, the simple act of lengthening and stretching the spine with a decompression treatment is enough to relieve the pressure on the impacted nerve root in the spinal canal and reduce the pain and discomfort.

Nerve compression occurs when the vertebrae of the spine are compressed due to age and weight gain, as well as other factors. When lasting pressure is placed on the spine, the components of the spine begin to wear down, causing the development of degenerative spine conditions, such as bulging discs, herniated discs or bone spurs. These spine conditions can cause the components of the spine to move out of alignment, possibly impacting a nerve root in the spinal canal and resulting in severe chronic pain.

SpineDx decompression therapy works by gently stretching the spine, separating the vertebral bones of the spine to cause a vacuum inside the discs. This vacuum effect, known as negative intradiscal pressure, pulls the disc back into proper shape and position. Spinal decompression therapy also helps discs absorb the water, oxygen and nutrient-rich fluids they need to begin healing.



HOW DECOMPRESSION WORKS?

SpineDx Decompression Therapy is a completely Non-Invasive therapy which has the ability to cure patients in a 3-dimensional way by mobilizing the sacrum, pelvis, upper/lower torso, left/right upper body movement, correction of spinal cord by providing a natural angle during the treatment (which is unique and the world's first).

Spinal decompression therapy is a drug-free, non-surgical treatment technique for managing chronic back pain and neck pain. When the spine is out of alignment, a slipped or herniated disc may compress nearby nerves, triggering pain. Spinal decompression treatment uses advanced technique to gently relieve this compression. Spinal decompression treatment gently decompresses the spine using precise, computerized adjustments. These adjustments create space for a slipped or herniated disc to return to its correct alignment within the spine.

Decompression is the only treatment that is truly most effective for severe cases of herniation, degeneration, arthritis, stenosis and pressure on the nerve root. According to a clinical study performed by the Orthopaedic Technological

Spine does not stand alone; it is connected all the way from the Atlas to the Sacrum and supported by the muscles, so mobilization is a very important treatment for the strengthening of the muscles as well as treatment of general back pain and serious disc disorders. SpineDx strengthens & relaxes the muscles.

How is the treatment administered? How many sessions required? Duration of each session?

The patient is comfortably positioned on the therapy table and secured in place. Many treatment variables are programmed into the computer, including therapy duration, force and graduating levels (and angles) of distraction and relaxation. Doctor uses this computer to operate the table,

Many patients report the treatment is relaxing and may nap; others listen to music. Each decompression session is followed with spinal stabilization exercises. Spinal decompression may be recommended 3 to 6 times per week. Patients are recommended to complete 15 to 20 sessions, though most patients may feel pain relief with-in 5-8 sessions. Each session last between 20-45 minutes (we recommend 30 minutes session, minimum). Some patients may need prolonged sessions (like 1 or twice in a week for further 3-4 months) or repetition post 6 months. This depends on the severity, body condition and life style.



Who is suitable for decompression therapy?

It is suitable for patients suffering with unresolved back pain, neck pain, leg pain (sciatica) or arm pain caused by spinal nerve root irritation. Most commonly, patients with degenerative disc disorders, bulging or herniated discs (slipped disc), degenerative disc disease and chronic stiffness in the lower back are candidates for treatment.

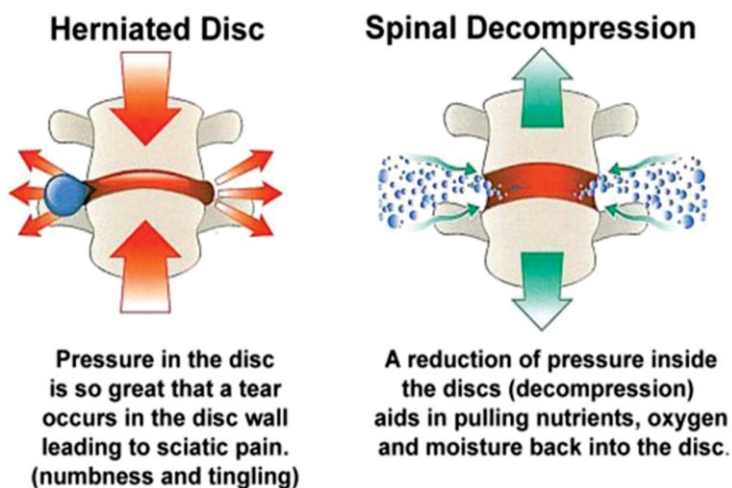
It is suitable for patients suffering with unresolved back pain, neck pain, leg pain (sciatica) or arm pain caused by spinal nerve root irritation. Most commonly, patients with degenerative disc disorders, bulging or herniated discs (slipped disc), degenerative disc disease and chronic stiffness in the lower back are candidates for treatment.

What is the success rate of spinal decompression therapy?

Many studies suggest its success rate between 80-90%.

Is there any risk to the patient during treatment on Spinal Decompression?

NO. Spinal Decompression is totally safe and comfortable for all subjects. The system has emergency stop switches for both the patient and the operator. These switches (a requirement of the FDA) terminate the treatment immediately thereby avoiding any injuries.



What is the difference between decompression and traction?

Many clinicians specializing in lumbar spine pathology have criticized traditional traction. In 1998, the Scientific American Research unit rated traction to be of little or no value in the examination of efficacious therapies for lower back pain. This finding is consistent with many studies.

Traction fails in many cases because it causes muscular stretch receptors to fire, which then cause para-spinal muscles to contract. This muscular response actually causes an increase in intradiscal pressure. On the other hand, genuine decompression is achieved by gradual and calculated increases of distraction forces to spinal structures, utilizing various degrees of distraction forces.

A highly specialized computer must modulate the application of distraction forces in order to achieve the ideal effect. The system uses applies a gentle, curved angle pull which yields far greater treatment results than a less comfortable, sharp angle pull. Distraction must be offset by cycles of partial relaxation.

The system continuously monitors spinal resistance and adjusts distraction forces accordingly. A specific lumbar segment can be targeted for treatment by changing the angle of distraction. This patented technique of decompression may prevent muscle spasm and patient guarding. Constant activity monitoring takes place at a rate of 10,000 times per second, making adjustments not perceived by the eye as many as 20 times per second via its fractional metering and monitoring system.

Genuine decompression also involves the use of a special pelvic harness that supports the lumbar spine during therapy. Negative pressure within the disc is maintained throughout the treatment session. With genuine decompression, the pressure within the disc space can actually be lowered to about -150 mmHg. As a result, the damaged disc will be rehydrated with nutrients and oxygen.

Distraction, a term used to describe a flexion distraction technique, attempts to reposition the spine from the offending lesion. This technique has been shown to be very effective, even though potentially damaging to the person performing the technique and largely dependent on the skill of the technician. Like traction, distraction procedures are limited in the ability to reduce the intradiscal pressure, or produce a negative pressure within the disc imbuing fluid, nutrients and creating an environment for repair.

Decompression is an event - a combination of restraint, angle position and equipment engineering. One can experience traction without decompression, but not decompression without traction. Traction is a machine - Decompression is an event.

In other words, Traction is helpful at treating some of the conditions resulting from herniated or degeneration. Traction cannot address the source of the problem. Spinal Decompression creates a negative pressure or a vacuum inside the disc. This effect causes the disc to pull in the herniation and the increase in negative pressure also causes the flow of blood and nutrients back into the disc allowing the body's natural fibroblastic response to heal the injury and re-hydrate the disc. Traction and inversion tables, at best, can lower the intradiscal pressure from a +90 to a +30 mmHg. Spinal Decompression is clinically proven to reduce the intradiscal pressure to between a -150 to -200 mmHg. Traction triggers the body's normal response to stretching by creating painful muscle spasms that worsen the pain in affected area.

Product Models: SpineDx Intelligent



Specifications: Model: SpineDx INTELLEAGENT

Physical Dimensions	Treatment table : 1776 x 693 x 861 mm ³ (LxBxH) Console : 600 x 700 x 227 mm ³ (WxLxH)
Weight	Gross weight: 230 kgs
Power consumption	400 VA
Input voltage	Voltage: 110-240V ±10% 50/60Hz
Protection rate and level	1st grade device, B-type equipment
Timer	90 minutes
Height adjustment	Head 0~55mm, lower body 0~530mm
Heat	0-50° C
Unilateral for lower body	Left/Right 90mm respectively
Lvl (lower body angle)	0~25°
Unilateral for head	Left/Right 80mm respectively
Lvl (head angle)	0~30°
Mobilization of pelvis	3-step adjustment
Mobilization of sacrum	2-part movement
Thoracic exercise cycle	14 times/min
Left/Right Stop (Spinal movement)	Upper body 5.5°, lower body 9.5°
Rotation of upper body	0~6.5°, 3-step (High, Medium, Low)
Rotation of lower body	0~12°, 3-step (High, Medium, Low)
G-Level	0~25°
Decompression of cervical	90mm, 50 secs.
Decompression of lumbar	150mm, 75 secs.
Lateral bending	Cervical: ±20° / Lumbar: ±15°
Functions	Automatic & Manual modes
Special feature	Continuous feedback system
Approvals	CE, CB, KFDA, ISO
Application area: Hospitals, clinics, Ortho/ Spinal rehabilitation centres, pain clinics, physiotherapy clinics	

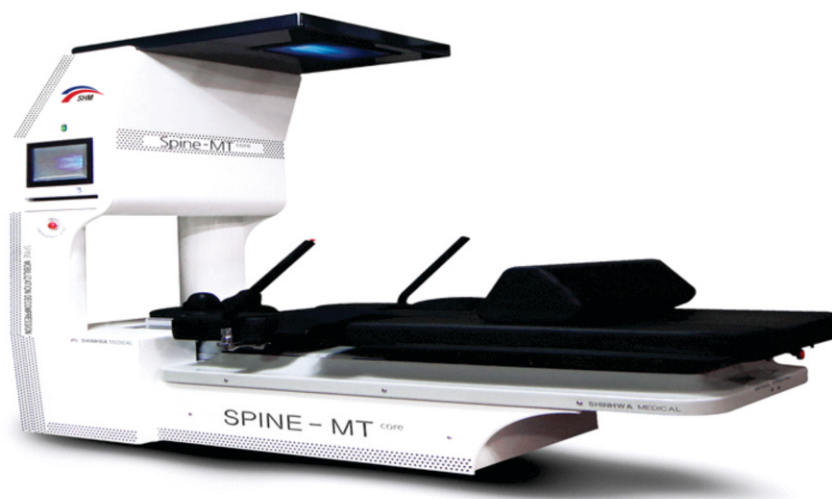
Product Models: SpineDx Smart



Specifications: Model: SpineDx Smart

Physical Dimensions	Treatment table : 1776 x 693 x 861 mm ³ (LxBxH) Console : 600 x 700 x 227 mm ³ (WxLxH)
Weight	Gross weight: 230 kgs
Power consumption	400 VA
Input voltage	Voltage: 110-240V $\pm$ 10% 50/60Hz
Protection rate and level	1st grade device, B-type equipment
Timer	90 minutes
Height adjustment	Head 0~55mm, lower body 0~530mm
Heat	0-50° C
Unilateral for lower body	Left/Right 90mm respectively
Lvl (lower body angle)	0~25°
Unilateral for head	Left/Right 80mm respectively
Lvl (head angle)	0~30°
Mobilization of pelvis	3-step adjustment
Mobilization of sacrum	2-part movement
Thoracic exercise cycle	14 times/min
Left/Right Stop (Spinal movement)	Upper body 5.5°, lower body 9.5°
Rotation of upper body	0~6.5°, 3-step (High, Medium, Low)
Rotation of lower body	0~12°, 3-step (High, Medium, Low)
G-Level	0~25°
Decompression of cervical	90mm, 50 secs.
Decompression of lumbar	150mm, 75 secs.
Lateral bending	Cervical: $\pm$ 20° / Lumbar: $\pm$ 15°
Functions	Automatic & Manual modes
Approvals	CE, CB, KFDA, ISO
Application area: Hospitals, clinics, Ortho/ Spinal rehabilitation centres, pain clinics, physiotherapy clinics	

Product Models: SpineDx Advantage



Specifications: Model: SpineDxAdvantage

Physical Dimensions	2260(L)mm * 760(W)mm * 2090(H)mm
Weight	150Kg
Power consumption	400 VA
Input voltage	Voltage: 110-240V $\pm$ 10% 50/60Hz
Protection rate and level	1st grade device, B-type equipment
Timer	90 minutes
Height adjustment	Head 0~45mm
Heat	25-40° C
Unilateral for lower body	Maximum adjustment range 90mm
Lvl (lower body angle)	0~25°
Unilateral for head	Maximum adjustment range 80mm
Lvl (head angle)	0~18°
Mobilization of pelvis	3-step adjustment
Mobilization of sacrum	2-part movement
Thoracic exercise cycle	14 times/min
Left/Right Stop (Spinal movement)	Upper body 7°, lower body 18°
Rotation of upper body	0~7°, 2-step (High, Medium)
Rotation of lower body	0~18°, 2-step (High, Medium)
Decompression of cervical	90mm, 40 secs.
Decompression of lumbar	140mm, 75 secs.
Lateral bending	Cervical: $\pm$ 20° / Lumbar: $\pm$ 15°
Functions	Automatic & Manual modes
Approvals	CE, CB, KFDA, ISO
Application area: Hospitals, clinics, Ortho/ Spinal rehabilitation centres, pain clinics, physiotherapy clinics	

Product Models: SpineDx Basics



Specifications: Model: SpineDxAdvantage

Physical Dimensions	2510(L)mm * 775(W)mm *1015(H)mm
Weight	180Kg
Power consumption	400 VA
Input voltage	Voltage: 110-240V $\pm$ 10% 50/60Hz
Protection rate and level	1st grade device
Timer	90 minutes
Height adjustment	Head 0~45mm
Heat	25-40° C
Unilateral for lower body	Maximum adjustment range90mm
Lvl (lower body angle)	0~25°
Unilateral for head	Maximum adjustment range80mm
Lvl (head angle)	0~18°
Mobilization of pelvis	3-step adjustment
Mobilization of sacrum	2-part movement
Thoracic exercise cycle	14 times/min
Left/Right Stop (Spinal movement)	Upper body 18°, lower body 18°
Rotation of upper body	0~15°
Rotation of lower body	0~15°
Decompression of cervical	90mm, 50 secs.
Decompression of lumbar	150mm, 75 secs.
Functions	Automatic & Manual modes
Approvals	CE, CB, KFDA, ISO
Application area: Hospitals, clinics, Ortho/ Spinal rehabilitation centres, pain clinics, physiotherapy clinics	



SpineDx Intelligent series is the king of decompression devices. Enriched with supreme technology and intelligence makes it stand unique and ahead of others. 3-Dimensional approach in corrections, increased mobilization of pelvis/ sacroiliac joints, facet joints and spinal muscles to reduce the pain and its advanced 3-Dimensional decompression technique, continuous feed-back system for real time communication and feed-back between patient's body and machine for customised treatment and adjustments makes it the most intelligent decompression unit available in the market. This is the top variant of SpineDx models.



SpineDx Smart series is an economical variant of the Intelligent model. Ideal mate for treatment of lumbar and cervical cases effectively and non-surgically. Second top variant of SpineDx series. This is a decompression, mobilization and correction unit. It offers most of the top features of SpineDx Intelligent series.

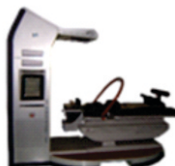


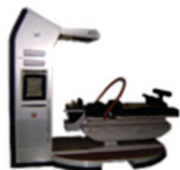
SpineDx Advantage series new kid in the bloc. New design. Very Stylish. The second variant for cost effective yet with uncompromised quality and with all essential features. It has got additional Angle control of rotational movement. When SpineDx Advantage is around that offers mobilization and decompression, why you settle for traction machine or just a decompression?



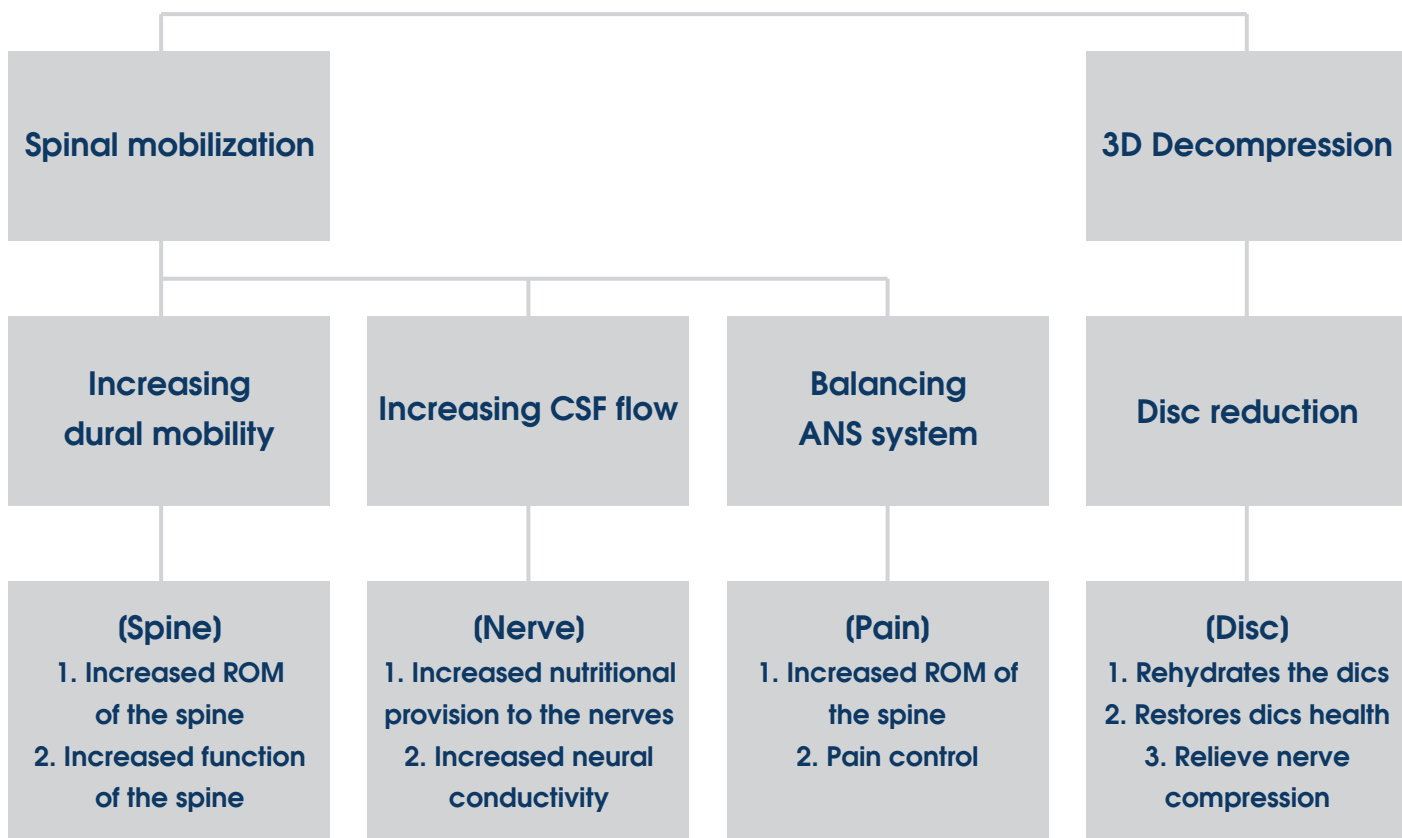
SpineDx Basics series are you fed-up of traction's results? Are you forced to compromise with a traction or basic decompression devices just because of affordability? Do you want to offer your patients with high technology to get the desired best results without any compromise? Then SpineDx Basics is the best option for you. Truly decompression unit. Uncompromised. Very economical with all basic and essential features to deliver best results.



	SpineD Basics	SpineD Advantage	SpineD Smart	SpineD Intelligent
Description				
Patient Management	✓	✓	✓	✓
Heating	✓	✓	✓	✓
Pelvic Mobility	✓	✓	✓	✓
Sacral Mobility	✓	✓	✓	✓
Lumbar/Cervical Unilateral Correction	✓	✓	✓	✓
Lumbar/Cervical Decompression Treatment	✓	✓	✓	✓
Lumbar/Cervical Level Adjustment	✓	✓	✓	✓
Right/Left Stop	✓	✓	✓	✓
Upper/Lower body rotational movement	✓	✓	✓	✓
Auto upper/lower body movement	✗	✓	✓	✓
Thoracic movement	✗	✓	✓	✓
Rotational thoracic combined movement	✗	△	✓	✓
Speed control of rotational movement	✗	✓	✓	✓
Angle control of rotational movement	✓	✓	✗	✗
Sensitivity of decompression feedback	△	△	✓	✓
Combined decompression feedback	✗	✗	△	△

	SpineD Basics	SpineD Advantage	SpineD Smart	SpineD Intelligent
Description				
G-Level	✗	✗	✓	✓
Data provision for patient	✗	✓	✗	✓
Optimal user convenience	✗	✓	✗	✓
Control of external shock	✗	✗	✗	✓
Approvals	ISO, FFDA, CFDA, CE(MDD Ongoing)	ISO, FFDA, CFDA, CE(MDD Ongoing)	ISO, FFDA, CFDA, CE(MDD)	ISO, FFDA, CFDA, CE(MDD)

New concepts in SpineDx Therapy



non surgical

SPINAL
SOLUTIONS



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