



Water Repellent



Stain Resistant



De-Odorization



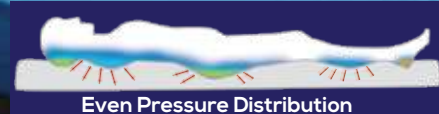
User Weight



Japanese Industrial Standards

Super-flex™

Hygiene, Quality and Safety



Superflex - The Absolute Health Care Mattress



Since 1966

SHIGADRY WITH EARTH CO.
Research.Innovation.Consulting

Manufactured to Japanese Industrial standards (JIS)

20 YEARS IN THE MAKING

- Trusted and used by 1,600 hospitals all over Japan
- Hospital staff contributed to developing the ideal mattress
- Manufactured to Japan Industrial Standards (JIS)

- Hygiene and Infection Control (99.9995%)
- Bed Sore Prevention
- Stain and Odor Resistant
- Improved Patient Care

Hygienic and Proven Against MRSA* / ESCHERICHIA COLI / PSEUDOMONAS AERUGINOSA / STAPHILOCOCCUS AURES / KLEBSIELLA PNEUMONIAE

One of the main concerns that care givers around the world face is the ability to keep a hygienic and infection free surface to sleep on.

The entire range of Shigadry health care mattresses marvel in the fields of hygiene and infection control. As a result of it's zero penetration outer covering and sterilized membrane, the Shigadry health care mattresses have proven to reduce the risk of MRSA. (Methicillin-resistant Staphylococcus aureus) MRSA* / ESCHERICHIA COLI / PSEUDOMONAS AERUGINOSA / STAPHILOCOCCUS AURES / KLEBSIELLA PNEUMONIAE

*MRSA is a bacterium responsible for several difficult-to-treat infections typically found on conventional hospital mattresses.

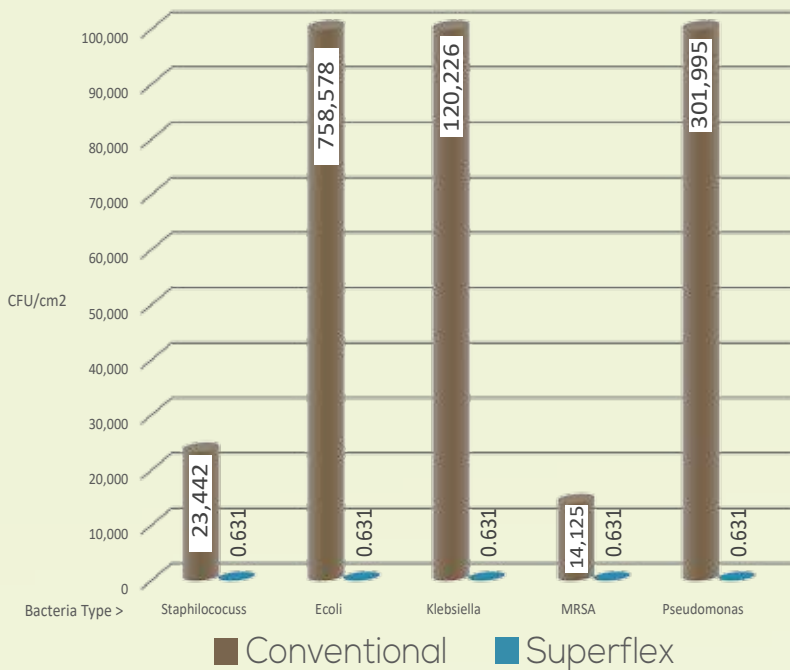
Added Benefits

- Air / Water Impermeability (hygiene)
- Anti permeability to Bacteria, pus, humor, blood and urine (hygiene)
- Anti Bacterial effect (hygiene)
- De-odorizing effect (hygiene)
- Resilience to hot water (easy cleaning / maintenance)
- Resilience to alcohol and detergents (easy cleaning / maintenance)
- Special frictionless undercoat for easy handling on beds (easy maintenance)
- Ideal for gatch bed
- Improved Patient turn around
- Maximum comfort and even pressure distribution
- Unique and sleek design with no seams, edges and threading
- Quick and easy bed preparation

Manufactured to Japan Industrial Standards (JIS)

ANTI-BACTERIAL TEST DONE BY JAPAN FOOD RESEARCH / KAKEN LABORATORIES

AntiBacterial Activity Value
SuperFlex Vs Conventional Mattress
Reduction rates exceeds 99.9995%

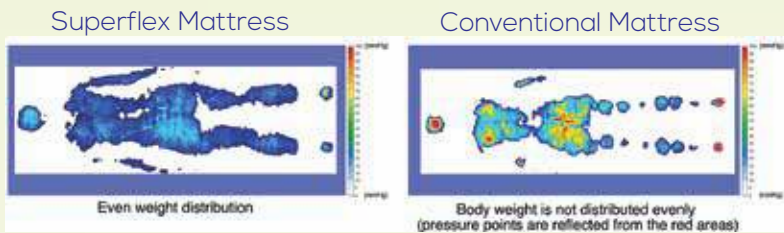


Infection Prevention & De-odorizing

Being a first in the world to combat MRSA, our specially developed and patented surface technology ensures that bacteria do not propagate or exist on the surface. This significantly reduces secondary infections of patients. We test our products at state of the art microbiology labs in Japan and it has been proven effective, **99.9995%**, against a wide array of bacteria such as Staphylococcus aureus, E-coli, Pseudomonas aeruginosa, Klebsiella pneumoniae and MRSA. This anti bacteriostatic value helps in reducing odor causing bacteria, thus giving the de-odorizing effect.

"Observation of viable cell count immediately and after 24hrs of incubation of Methicillin resistant Staphylococcus aureus IID 1677, Staphylococcus aureus NBRC 12732, Escherichia coli NBRC 3972, Klebsiella pneumoniae NBRC 13277, Pseudomonas aeruginosa NBRC 3080"

Bedsore Prevention



At any point throughout the mattress we ensure that the surface pressure is minimized and stays within limits that prevents pressure ulcers, commonly known as bedsores. We use state of the art pressure imaging technology both during product development and final testing to achieve this. Furthermore with special characteristics such as body-contouring and even weight distribution the patient is kept very comfortable and safe even against shear stress and tissue tear which is usually associated with conventional products.

Water Proof, Impermeable and Stain Resistant

Our Patented surface technology is completely impermeable to Air and Water and restricts any contamination of the inner foam. This is very effective against infections from bacteria, pus, humor, blood and urine, seeping through where as in a conventional product proper cleaning becomes a challenge. This feature also reduces permanent stains as all such contamination is easily wiped away.



Stain Resistant



Water Repellent

Manufactured to Japan Industrial Standards (JIS)



Ideal for Gatch Beds

The Mattress is completely flexible and has no joints or cutaways. This enables the use of the Product on any type of adjustable bed frame.

Easy to Clean and Maintain

The Mattress is completely washable and is especially resistant to high temperatures (100c) where even steam cleaning is possible. Since the surface technology perpetually maintains cleanliness, wiping with hot or distilled water is sufficient avoiding harmful detergents and alcohol to be used. Furthermore there are no Seams, Zippers and Edges which often gets contaminated and become a major source for breeding bacteria.



Product Safety

*GOOD LABORATORY PRACTICES STATEMENT

The study referenced in this report was conducted in compliance with U.S. Food and Drug Administration Good Laboratory Practice (GLP) regulations set forth in 21 CFR part 58.

Sensitization and Allergy Reactions

This Product does not cause any Sensitization and Allergenic reactions Tested Date: 21, August, 2018

Skin Irritation

This Product does not cause any Skin Irritation Tested Date: 25th July, 2018

It has an excellent ability to dissipate body weight in perfect balance, and also avoid slipping.

The maximum pressure on the sacrum spine on Superflex is only as high as 20-30 mm/Hg. It is the proof that the product dissipates body pressure evenly and appropriately. It also has high durability, proven by the comparison of pressures on the sacrum spine, which is found to be same, between unused mattresses and ones used over 7 years. The mattress minimizes friction and slip which can damage skin. It is useful when the users move frequently.

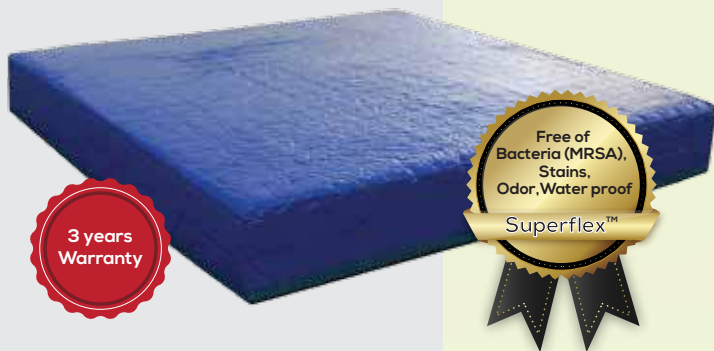


Dr. Makoto Takahashi

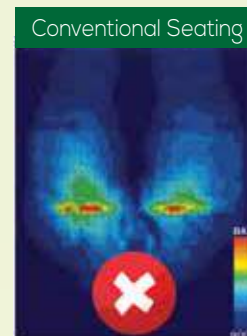
Dr. of Medical Science
Body System Science Course,
Post Graduate Institute of InformatioScience, Hokkaido University

PRODUCT RANGE

Superflex Wheelchair Cushion



Even weight distribution



Body weight is not distributed evenly
(Pressure points are reflected from the red areas)



Width	x	Length	x	Thickness
400mm	x	400mm	x	60mm

Wheelchair Seat Cushion features a soft foam that reduces pressure. It is designed to help prevent, treat, and manage pressure ulcers. Wheelchair Cushion provides added pressure reduction, support and comfort to individuals who spend a significant amount of time in a wheelchair. It has a special water proof feature. It also has a non-slip that provides maximum safety.

- **Non-Slip**
- **Provides Pressure Reduction**

It is one of the tools for us, users of wheelchairs, to live pleasant lives

I have been using a wheelchair for 22 years. I have got a Superflex wheelchair cushion and was surprised by having no pressure on the hip bone. Small injuries on hips could be cured even without knowing it, while you are using the cushion. It gives me a feeling of safety as I feel like being wrapped by a bucket seat. I recommended Superflex to some of my friends and they were very happy too. I would like the wheelchair users to utilize Superflex as one of the tools to live pleasant lives. It helps you to expand your areas of activity.



Ms. Hitomi Suzuki,
Former player of Paralympics

Superflex Infant Mattress

You can simply wipe out liquid when it is wet. No need to hang it out to dry, even if your toddler wets it.

Standard Size

Width	x	Length	x	Thickness
700mm	x	1200mm	x	40mm



Superflex Infant Incubator Mattress (Hygiene and Protection)

Perhaps the most obvious function of an infant incubator is to protect infants during the earliest stage of life, when they're most vulnerable. As fully enclosed and controllable environments, incubators can be used to protect babies from a wide range of external harm and danger, such as from excessive temperatures, harmful noises and irritants such as dust and allergens. Super Flex Incubator Mattress provides additional protection through its unique infection prevention and de-odorizing features, minimizing the risks associated with contaminated mattresses. Furthermore with its proven weight distribution feature it enhances value by giving the infant plenty of comfort and restful sleep. Along with the Incubator, Superflex Infant Mattress provides the best care an infant can get.

The Warming Touch of Care

Every part of Super flex Incubator Mattress was thoughtfully engineered to enhance the care experience, while providing the best possible Comfort and hygienic environment for the newborn.



SIZE CAN BE CUSTOMIZED ACCORDING TO THE REQUIREMENT

Superflex Mattress



Superflex Standard Size

Width x Length x Height

780mm x 1910mm x 85mm

830mm x 1910mm x 85mm

910mm x 1910mm x 85mm

Special thickness types (height)

80 . 100 . 120 mm

Customization possible

Superflex Medical Cushions

Pillow type



PREMIUM CONTOUR PEDIC PILLOW

Contoured to ergonomically support the natural alignment of your neck for outstanding comfort while you sleep

Width x Length x Thickness

450mm x 300mm x (high) 90mm (low) 65mm

Cylindrical type



Cylindrical type helps to eliminate pressure on the foot or ankle while the individual is in bed or reclining. Device is specially designed for Pressure Ulcer prevention.

- Removes pressure from the foot while patient reclines.
- Helps patients at risk for Pressure Ulcers.
- Helps patient with Diabetic Ulcers.

Width x Diameter

440mm x 150mm

Wedge type



Positioning Wedge Pillow is an effective positioning solution for patients and they allow medical workers to turn patients without extra assistance. Each Positioning Wedge Pillow can be easily adjusted to the comfort needs of individual patients. They maintain their shape over time and do not compress. Will reduce the occurrence of pressure ulcers when used to cushion a patient's bony prominences. They also help caregivers 30-degree lateral inclined position when turning patients to help avoid putting unnecessary pressure on the hip

Width x Length x Thickness

300mm x 450mm x 150mm

Super-flex™

Hygiene, Quality and Safety

Technical Collaboration

Our work is constantly in collaboration with universities and testing centers in Japan, to name a few, Kitasato Research Centre for Environmental Science, Tottori University, Kyoto Sangyo University, Boken quality evaluation institute and Kaken test center.



DEVELOPED AND TESTED IN JAPAN




北里生命科学研究所
Kitasato Institute for Life Sciences
大学院 感染制御科学府
Graduate School of Infection Control Sciences



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PATENTED PRODUCT

REFRESH YOUR SPINE



THE MULTIPURPOSE SEAT CUSHION

that relieves daily stress from your lower back

 **Super-flex**TM

For Healthy Life

PAINRELIEF ORTHOPAEDIC CUSHION

What is Super-flex™ Coccyx Cushion?

Our Super-flex™ orthopaedic coccyx cushion is expressly designed to relieve leg, lower back, and tailbone pain associated with sciatica, poor posture and extended periods of sitting. By reducing pressure on your tailbone, the rear-cutout coccyx cushion enables the muscles and nerves in your lower-back to relax while improving circulation. We incorporate high quality comfort foam that ensures both a great fit and long term reliability.

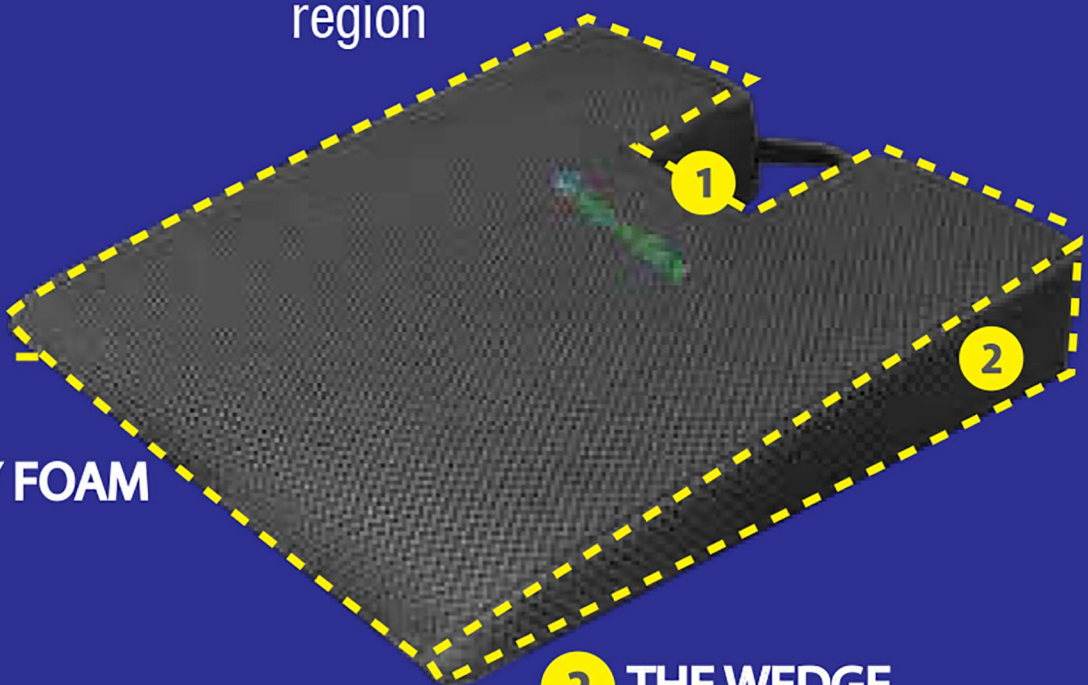
Compact and portable so you can take comfort with you wherever you go. Ideal for use in your office, car seat, as a floor pillow, and fits nearly every kind of seat.



**REDUCED PAIN
IMPROVES
PRODUCTIVITY**

1 THE COCCYX CUT AWAY
Unique cut -out section minimizes painful pressure on the coccyx region

PREMIUM QUALITY FOAM



2 THE WEDGE
Gently angled to promote correct spinal alignment for better posture

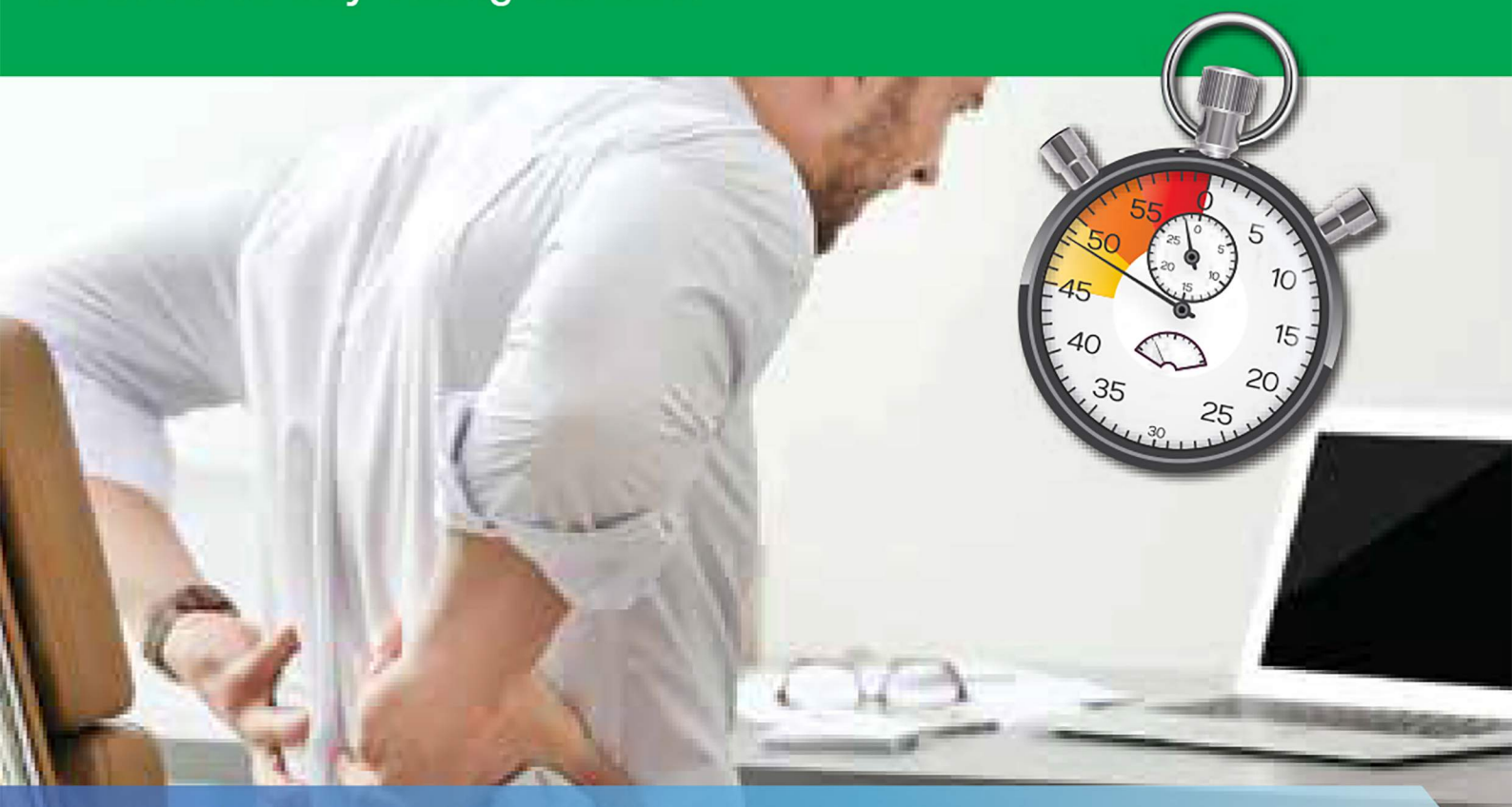
- Relieves pain
- Reduces pressure
- Promotes good posture

- Improve your productivity
- Portable
- Durable

How many hours do you spend seated?

On average we spend almost 10-12 hours being seated. These long hours cause strain and stress on our lower back. Most people who suffer from tailbone and coccyx pain have little or no relief.

Orthopaedic chairs can be very costly and ineffective at times. The Super-flex™ ORTHOPAEDIC CUSHION on the other hand can be used on any sitting surface.



How Super-flex™ works?

Super-flex™ is an ergonomically designed orthopaedic cushion that distributes weight evenly & encourages correct pelvic tilt to reduce pressure on the lumbar discs.

Provide pain relief from sore tailbone or coccyx pain, back pain & similar conditions that allevates tailbone pain. During pregnancy can be used at home, in the office, or in the car which promotes better posture whilst seated

Unique cut-out section minimizes painful pressure on the coccyx region.

Cut-out suspends coccyx, removing painful pressure from tailbone.

Gently angled to promote correct spinal alignment for better posture.

Use it at home, in the office, or in the car.

Reduce tailbone pain during pregnancy.

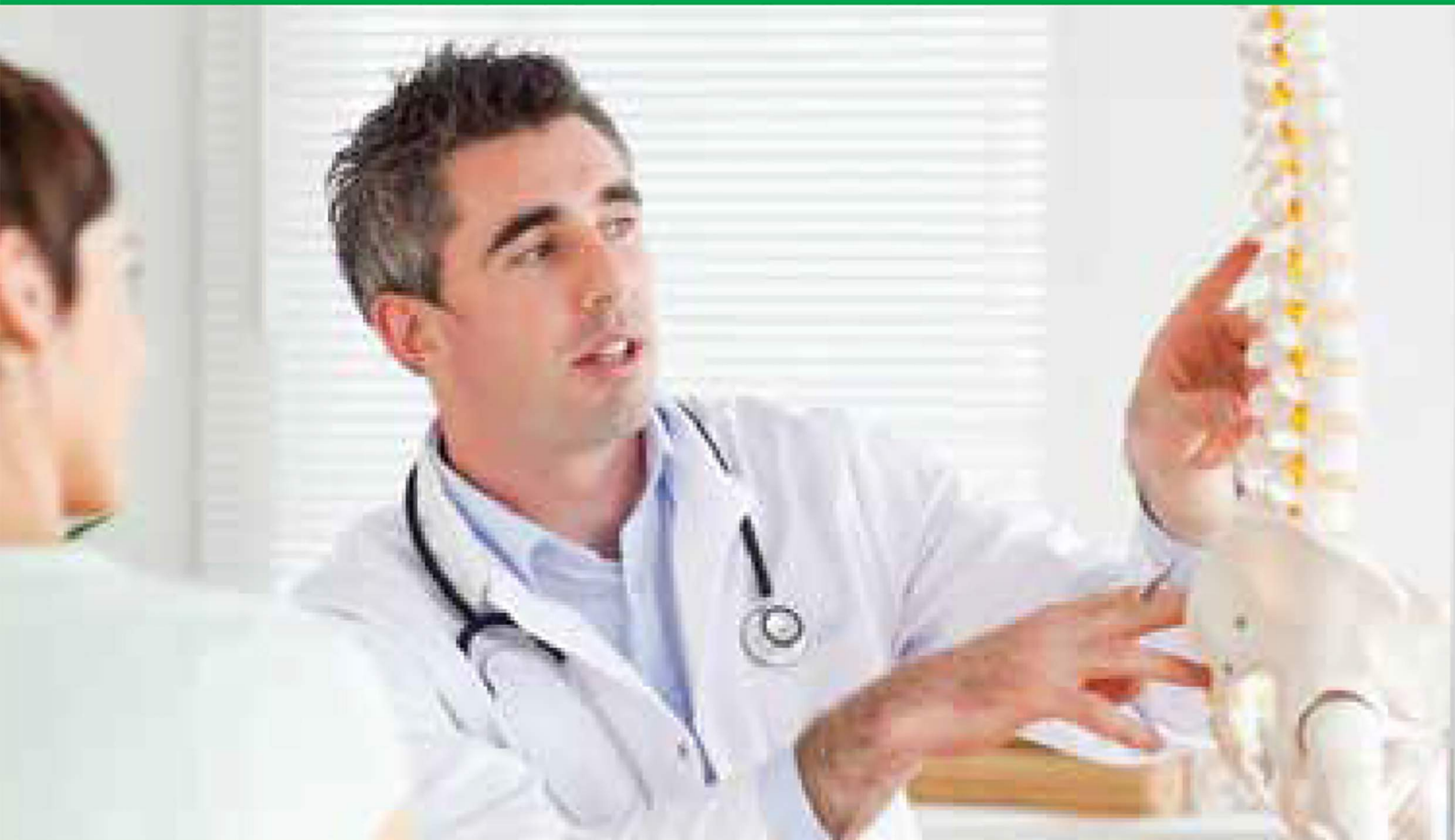


Healthy Spine healthy life

The Super-flex™ Coccyx Cushion uses a special wedge shape that tilts your pelvis forward to restore the natural curve of your backbone.

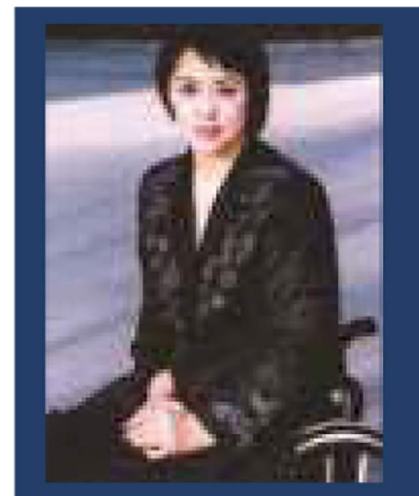
This helps relieve pressure and prevents back pain by suspending your tailbone over the cut out section.

Coccyx pain or tailbone pain can be frustrating and significantly impair quality of life, but relief is possible with the use of the specially designed Super-flex™ Coccyx Cushion.



It is one of the tools for us, users of wheelchairs, to live pleasant lives.

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Ms. Hitomi Suzuki
Former player of Paralympics

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