

# mediqel<sup>®</sup>

Putting imagination to work!



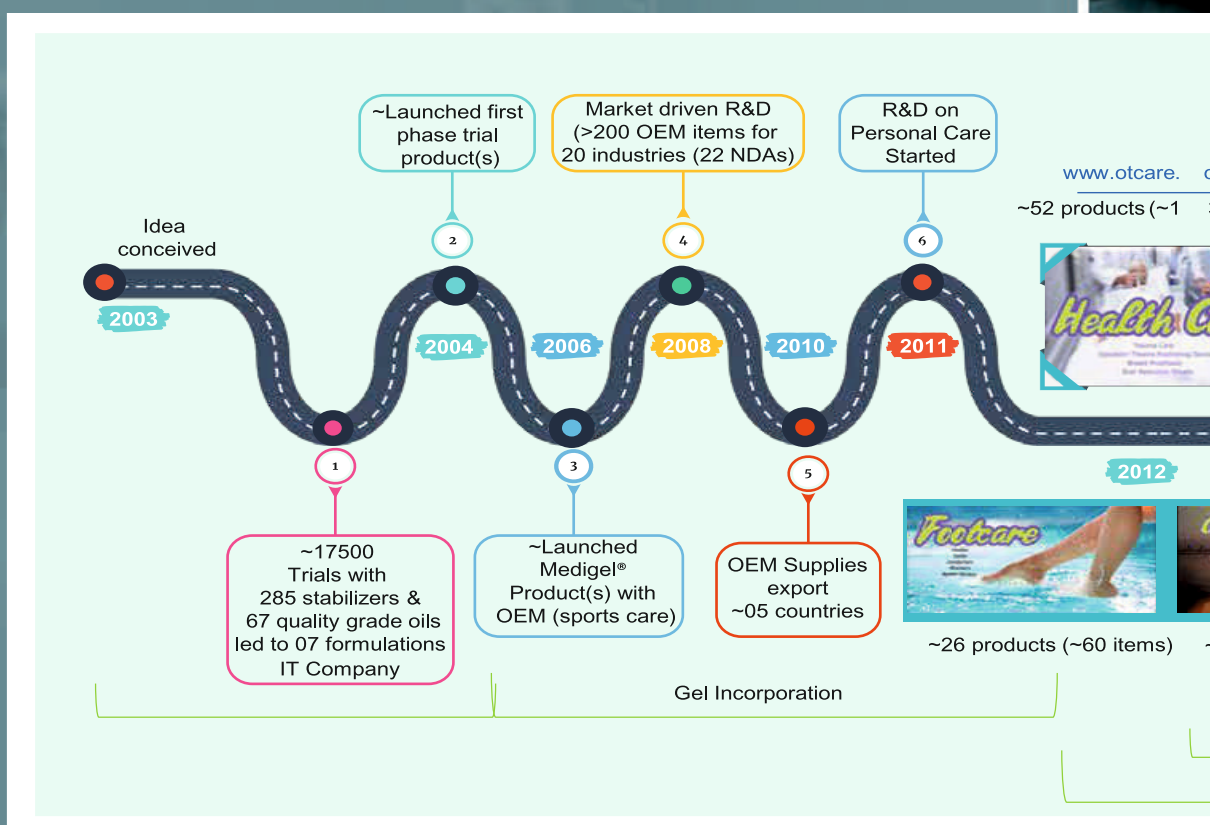
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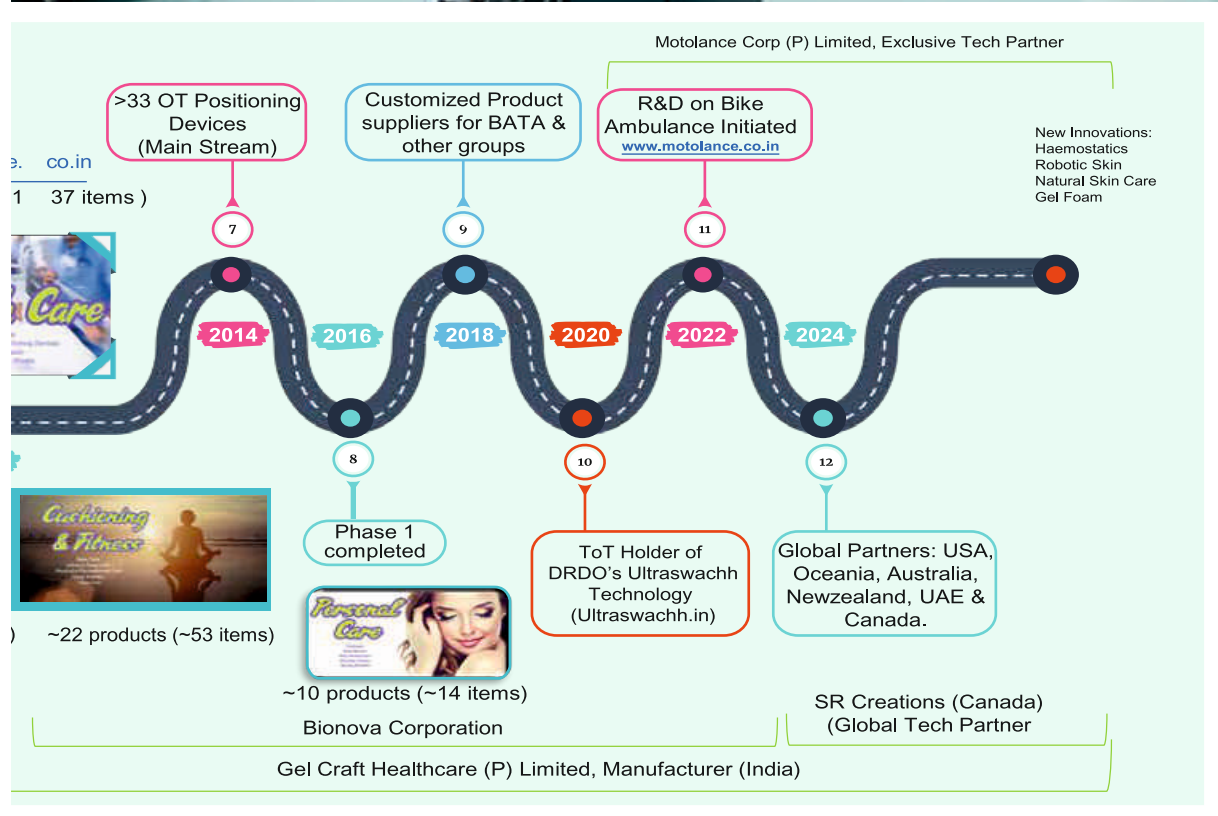
Viscoelastic Gel with Anti-Microbial Coat  
OT Positioners | Rehabilitative | Sanitization

Gel Craft Healthcare (P) Limited (GCHC) is an umbrella group with partner world-wide engaged in conception, design, manufacturing, research, development and marketing of medigel® (Viscoelastic gel with anti-microbial coating) & Ultraswachh™ technological healthcare innovations. The global technological research & network is managed under the ambit of SR Creations (SRC), Canada. In addition to their unique non-film gel based Operation Theatre Positioning Pads, the group is involved in development of gel based foot care, cushioning & fitness care, orthotics & orthopaedic care, rehabilitation assistive, infection management, breast care, post-surgical scar management etc. (visit [otcare.co.in](http://otcare.co.in) & [Ultraswachh.in](http://Ultraswachh.in)).

## Manufactured in Bharat (aka India)

In India, GCHC's manufacturing unit is partner of Defence Research & Development Organization (DRDO), Ministry of Defence, Government of India in development of Ultraswachh™ products in which core accessory element is Viscoelastic Gel with anti-microbial coating, branded as medigel® (original formulation was developed by the GCHC's team itself). This coating prevents biofouling as expected in high infectious zones in hospitals or Isolated Wards.



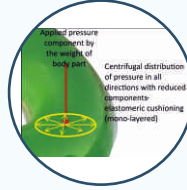


## Soft Elastomeric



Soft elastomeric cushioning gel with elongation<sup>1</sup> ranges from 500 to 1500 and shore A value limits to zero.

## No pressure on bony prominences



Unlike rubber, latex, foam or silicone no pressure on any body parts

## Impact Resistance



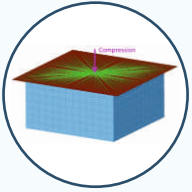
Extreme rebounding ability attributed by min tensile strength<sup>1</sup> of 1.5kM/m & tear strength<sup>1</sup> of 4.0 Kg/cm.

## Neuro-muscular protection



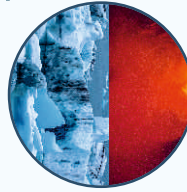
Unlike memory foam, it releases back faster makes it effective even for prevention of neuromuscular injuries

## Doesn't bottom out



Unlike foam, these devices doesn't bottom out as compression set<sup>1</sup> (at 50 deflection) is ~ 3.3%

## Temperature Resilience



Use it from -30°C to +40°C and doesn't even crack at extreme low temperature<sup>1</sup>

## MRI/SIAM compliant



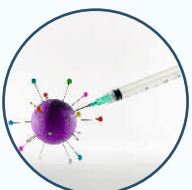
Compatible to MRI/ SIAM being electrically non conductive<sup>1</sup> (R>10000 M Ohm)

## e-Safe Organogel



Burns like candle with non toxic odor free soot unlike PU (toxic soot) while silicone gel leaves white powder residue<sup>6</sup>

## Anti microbial Coated



Tested<sup>3</sup> against health care associated infectious pathogens works up to 90 days in single coat

## Single Phase: Non Film



Closed cell conformation<sup>5</sup> requiring no laminated film unlike jelly based devices

## Skin Touch



Product's touch perception is natural skin (density : ~0.08g/cc) like yet completely inert

## Non Leaking



Don't leak unlike others & sheets can be cut into desired shapes (self test kit)<sup>6</sup>

## Water Proof: Ease of disinfection



Hydrophobic, tested for removal of contaminants & infections (Ultraswachh<sup>TM</sup> complaint)

## No Toxins or Hazardous Chemicals



Polymeric Gel is REACH certified<sup>2</sup> and accepted globally

## Able to withstand Body Weight



Withstand up to 900 Kgs (~1600 psi) of weight in vertical direction due to its core tensile strength<sup>1</sup>

## Self Attach Non Woven Base



Non wooven sheet base on one side for uelcro based attachment to fix on bed prevent falling (optional).

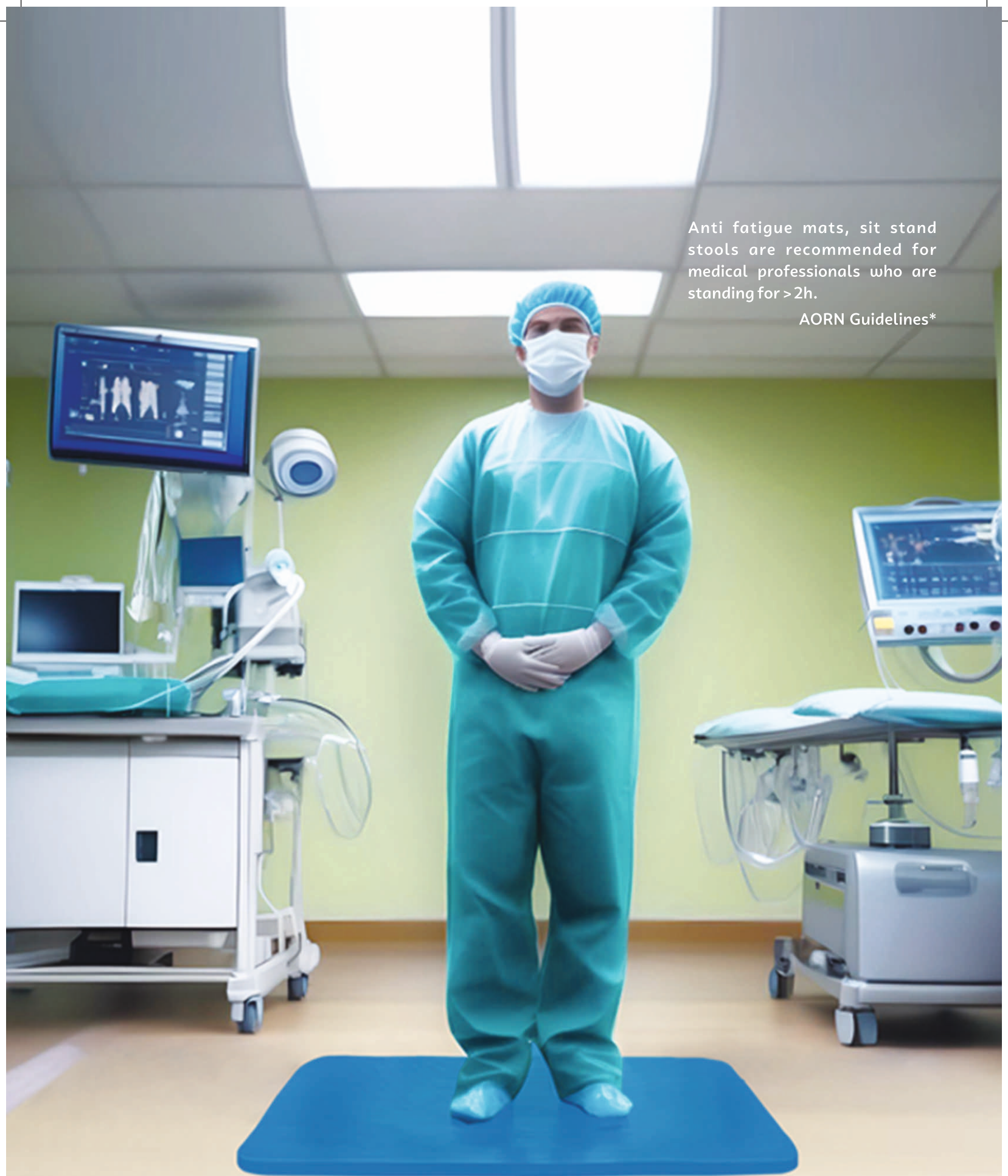
### References:

- [https://www.otcare.co.in/\\_files/ugd/b5e0d8\\_dce40cf30c28446d8280d4e7f4717006.pdf](https://www.otcare.co.in/_files/ugd/b5e0d8_dce40cf30c28446d8280d4e7f4717006.pdf)
- [https://www.otcare.co.in/\\_files/ugd/b5e0d8\\_cd06521b17b94dccaef0dea172afb6b3.pdf?index=true](https://www.otcare.co.in/_files/ugd/b5e0d8_cd06521b17b94dccaef0dea172afb6b3.pdf?index=true)
- [https://www.otcare.co.in/\\_files/ugd/b5e0d8\\_9ee88ed9760543198798221319e9e4d7.pdf?index=true](https://www.otcare.co.in/_files/ugd/b5e0d8_9ee88ed9760543198798221319e9e4d7.pdf?index=true)
- <https://www.medicalbuyer.co.in/import-substitution-of-hot-operation-theater-patient-positioning-devices/>
- <https://www.otcare.co.in/copy-of-faq>
- <https://www.otcare.co.in/services-3>
- <https://ultraswachh.in/ppe-disinfection-unit>



Anti fatigue mats, sit stand stools are recommended for medical professionals who are standing for >2h.

AORN Guidelines\*



## Surgeon's Gel Matt

Anti tiring

Anti tiring viscoelastic gel aids prolonged standing during surgeries by equalized pressure dispersion.

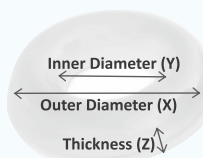
Item	Size	Dimensions (mm) L* W*H
SGM-SD-SBL	Standard	460 x 380 x 36
SGM-SD-EGR	Standard	460 x 380 x 36

\*Hughes NL, Nelson A, Matz MW, Lloyd J. AORN Ergonomic Tool 4: Solutions for prolonged standing in perioperative settings. AORN Journal. 2011;93(6):767-774.

## Donut/Open Head Ring Multifunctional positioner



01 piece/pack



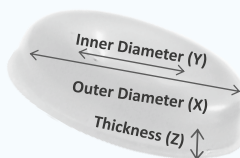
Item	Size	Dimensions (mm) X* Y*Z
OHR-S-SBL	Small	90 x 45 x 20
OHR-S-EGR	Small	90 x 45 x 20
OHR-M-SBL	Medium	150 x 80 x 30
OHR-M-EGR	Medium	150 x 80 x 30
OHR-L-SBL	Large	200 x 100 x 40
OHR-L-EGR	Large	200 x 100 x 40

- Supports patient's head during prolonged surgeries (air and gel cushioning)
- Protect skull, neck and ears in multiple positions by conforming to head's contour

## Closed Head Ring Multifunctional positioner



01 piece/pack



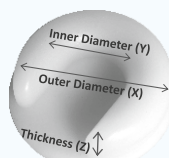
Item	Size	Dimensions (mm) X* Y*Z
CHR-S-SBL	Small	90 x 45 x 20
CHR-S-EGR	Small	90 x 45 x 20
CHR-M-SBL	Medium	140 x 70 x 35
CHR-M-EGR	Medium	140 x 70 x 35
CHR-L-SBL	Large	200 x 100 x 45
CHR-L-EGR	Large	200 x 100 x 45

- Supports patient's head with complete coverage to back of head during prolonged surgeries
- Protect head, neck and ears in various positions by complete pressure redistribution

## U-Shape Head Ring (with base) Multifunctional positioner



01 piece/pack



Item	Size	Dimensions (mm) X* Y*Z
UHR-M-SBL	Medium	140 x 60 x 45
UHR-M-EGR	Medium	140 x 60 x 45
UHR-L-SBL	Large	200 x 100 x 60
UHR-L-EGR	Large	200 x 100 x 60

- Supports patient's face during surgery allows access to intubation due to its contoured features.
- No pressure on eyes especially in prone position due to ergonomic design and elastomeric gel technology.



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic



AST SOP -IV (1-2): OT positioning device should be able to (a) prevent risk of pressure ulcers as one of the Joint commission's 2006 National Patient Safety Goal Number 14; (b) fit into Braden scale assessment (1-4) based on his her sensory perception; skin moisture; physical activity; mobility; nutrition; friction and shear; (c) skin wrinkling should be limited; (d) > 95% ulcers in lower extremity devices and; (e) pre-existing ulcers should be monitored.

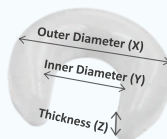


## U-Shape Head Ring (without base)

Multifunctional positioner



01 piece/pack

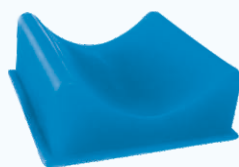


Item	Size	Dimensions (mm) X* Y*Z
<b>UHRWB-M-SBL</b>	Medium	135 x 60 x 35
<b>UHRWB-M-EGR</b>	Medium	135 x 60 x 35
<b>UHRWB-L-SBL</b>	Large	190 x 100 x 50
<b>UHRWB-L-EGR</b>	Large	190 x 100 x 50

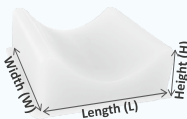
- Supports patient's face during surgery allows clear passage way for respiration anesthetic pipes and other intubation from the bottom being without base.
- No pressure on eyes especially in prone position due to ergonomic design and elastomeric gel technology.

## Supine Contoured Head Rest

Unipositional Protector



01 piece/pack



Item	Size	Dimensions (mm) L* W*H
<b>SCHR-SD-SBL</b>	Std	175 x 180 x 70
<b>SCHR-SD-EGR</b>	Std	175 x 180 x 70

- Relieves skull compression from head / calf in supine position (like eye surgeries) by providing cross-sectional stability
- Contoured to match the anatomical shape of head by pressure redistribution in all directions

## Ophthalmic Cradle Head Rest

Uni-functional positioner



01 piece/pack



Item	Size	Dimensions (mm) L* W*H
<b>OCHR-SD-SBL</b>	Std	240 x 200 x 40
<b>OCHR-SD-EGR</b>	Std	240 x 200 x 40

- Contoured cradling and extra support/ stability to patient's head in supine or other positions preventing risk of alopecia in ophthalmic long tenured surgeries.
- Extensive pressure redistribution for complete head rest.



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

SOP III [4]: Patient position should provide optimal exposure for placement of IV lines and anesthesia monitoring devices. U-shape Head Ring, Donut/Open head Ring, Horse Shoe Ring, Prone Head Rest-II/III, Gel Base for Metallic Neuro Head Frame all are designed with such access for placement of IV lines etc.

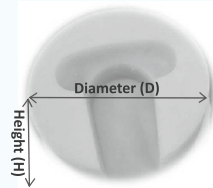


## Horse Shoe Ring -Eye Pressure Relief

Uni functional protector



01 piece/pack



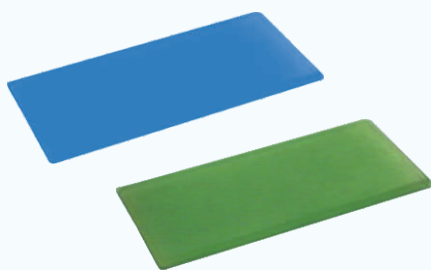
Item	Size	Dimensions (mm) D*H
HORSE-SD-SBL	Standard	200 x 75
HORSE-SD-EGR	Standard	200 x 75



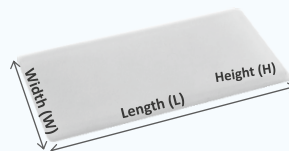
- Supports patient's Face during surgery allow access to intubation due to its contoured features
- No pressure on eyes especially in prone position due to ergonomic design and elastomeric gel technology

## Face/ Fore Head Protector

Uni-site protector



01 piece/pack



Item	Size	Dimensions (mm) L* W*H
FFHP-SD-SBL	Standard	165 x 80 x 8
FFHP-SD-EGR	Standard	165 x 80 x 8



- Protect the patient's forehead / facial contours from pressure caused by endotracheal tubes
- Universal protector and it can be used at any similar body site



Organic



Single Phase



Non Film



Elastomeric



No Leak



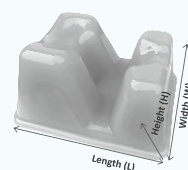
Non Allergenic

## Prone Head Rest Type-II

Prone position protector



Type-II  
01 piece/pack



Template



Item	Size	Dimensions (mm) L*W*H
PHR-II-M-SBL	Medium	230 x 190 x 130
PHR-II-M-EGR	Medium	230 x 190 x 130
PHR-II-L-SBL	Large	270 x 230 x 140
PHR-II-L-EGR	Large	270 x 230 x 140

- Supports patient's head in prone position during prolonged surgeries
- Protect head, neck and ears in prone position by complete pressure redistribution and ergonomic design allows ease of intubation.



SOP III [4]: Patient position should provide optimal exposure for placement of IV lines and anesthesia monitoring devices. Face/ Fore Head Protector provides padded support while IV lines are placed in supine head positioning devices like Closed Head Ring, Supine Contoured Head Rest, Ophthalmic Cradle Head Rest etc.



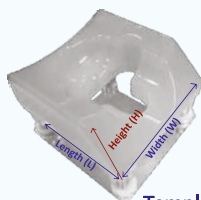


## Prone Head Rest Type-III

Prone position protector



01 piece/pack



Template



Item	Size	Dimensions (mm) L*W*H
PHR-III-L-SBL	Large	260 x 240 x 145
PHR-III-L-EGR	Large	260 x 240 x 145

- Supports patient's head in prone position during prolonged surgeries
- Protect head, neck and ears in prone position by complete pressure redistribution and ergonomic design allows ease of intubation.
- PHR - III provides see through area at its bottom

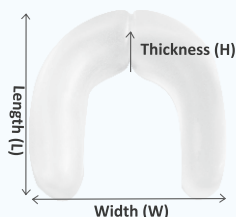


## Gel Base for Metallic Neurohead Frame

Critical functional positioner



01 set of 02 half pieces/pack  
(without Neurohead Frame Device)



Item	Size	Dimensions (mm) L* W*H
NEURO-M-SBL	Medium	175 x 50 x 60
NEURO-M-EGR	Medium	175 x 50 x 60
NEURO-L-SBL	Large	200 x 55 x 65
NEURO-L-EGR	Large	200 x 55 x 65

- Provide cushioning interface to metallic neuro head frame during prolonged brain surgeries.
- Supports patient's facial contours with complete pressure redistribution.



Organic



Single Phase



Non Film



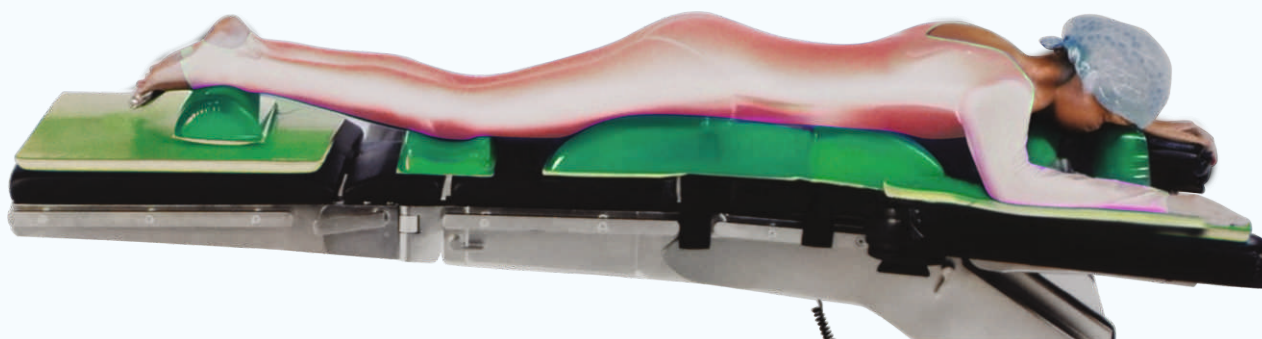
Elastomeric



No Leak



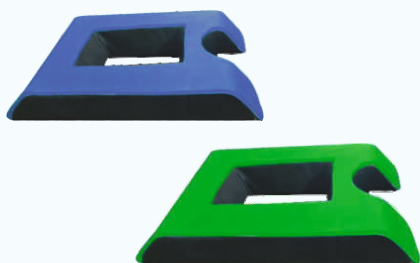
Non Allergenic



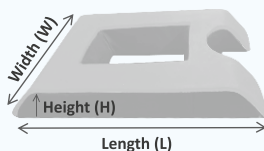
SOP VI [E]: Direct pressure on the eyes should be avoided to prevent corneal abrasions - The use of a head ring donut or horseshoe-shaped headrest should be avoided in order to avoid the risk of pressure on the eyes. The head may move in these devices during a surgical procedure resulting in direct pressure on the eye causing retinal ischemia. Prone Head Rest Type III with see through section as well as designed contour to prevent any risk of pressure on eye is available as alternative.



## Flat Prone Gel Bed Upper Body Protector



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
FPGB-SD-SBL	Standard	780 X 510 X 125
FPGB-SD-EGR	Standard	780 X 510 X 125

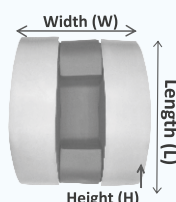


- Provides extreme cushioning to upper abdominal area while using it with Prone Head Rest
- Cut outs for positioning Head Rests & Arm Boards to stabilise upper body in prone position

## Prone Position Gel Bed Upper Body Protector



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
PPGB-SD-SBL	Standard	600 X 490 X 180
PPGB-SD-EGR	Standard	600 X 490 X 180



- Provides protection to chest hip by reducing pressure while maintaining excellent respiratory and circulatory functions.
- Design for ease of ventilation in prolonged positions surgery to back of leg while anatomically fitting male and female genitalia.



Organic



Single Phase



Non Film



Elastomeric

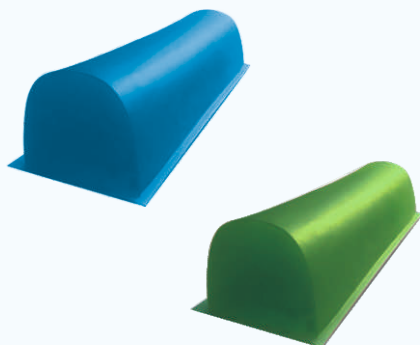


No Leak

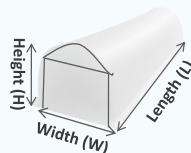


Non Allergenic

## Dome Flat Bottom Chest Roll Multi utility bolster



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
DOME-S-SBL	Small	350 x 145 x 75
DOME-S-EGR	Small	350 x 145 x 75
DOME-M-SBL	Medium	405 x 150 x 100
DOME-M-EGR	Medium	405 x 150 x 100
DOME-L-SBL	Large	510 x 155 x 125
DOME-L-EGR	Large	510 x 155 x 125
DOME-XL-SBL	Extra Large	510 x 180 x 200
DOME-XL-EGR	Extra Large	510 x 180 x 200



- Provides excellent support and stability to chest areas & other body parts by complete pressure redistribution
- Elevate the chest area and also useful in multiple sites

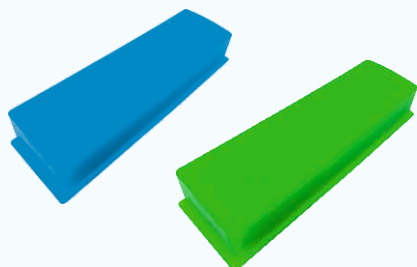


AST-SOP-III-(C)-2 The positioning equipment should sustain the weight of patient. Medigel® can bear pressure up to 1600 psi (equivalent to 112 Kg of weight per cm<sup>2</sup>) due to its minimum tensile strength of 1.5kN/m and tear strength of 4.0 Kg/cm.

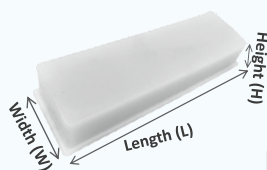


## Flat Bottom Chest Roll

Standard positioner



01 piece/pack

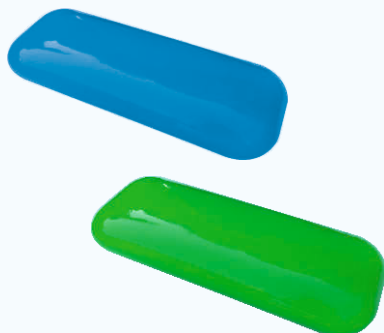


Item	Size	Dimensions (mm) L*W*H
FBCR-M-SBL	Medium	405 x 140 x 100
FBCR-M-EGR	Medium	405 x 140 x 100
FBCR-L-SBL	Large	510 x 150 x 100
FBCR-L-EGR	Large	510 x 150 x 100

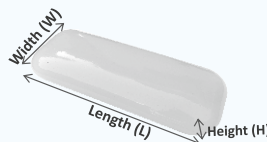
- Provides excellent support and stability to chest areas during prolonged surgeries
- Pressure redistribution in chest area preventing bed sores

## Universal Positioner

All site positioner



01 piece/pack

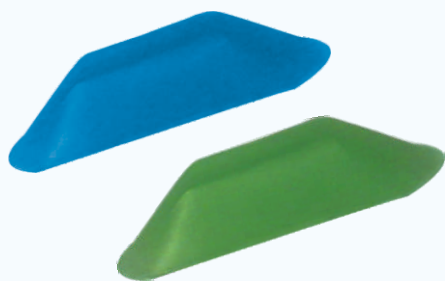


Item	Size	Dimensions (mm) L*W*H
UP-L-SBL	Large	420 x 145 x 60
UP-L-EGR	Large	420 x 145 x 60

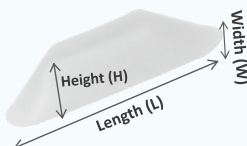
- It has unique and smooth curve structural line allows it to position at every body part.
- It has single phase continuous surface with complete pressure redistribution & support even twisted body parts

## Patient Positioner Device

Multi-site positioner



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
PPD-M-SBL	Medium	420 x 130 x 55
PPD-M-EGR	Medium	420 x 130 x 55

- Supports patient's twisted body parts during prolonged surgeries
- Protect body parts in various uncomfortable positions against torque by complete pressure redistribution



Organic



Single Phase



Non Film



Elastomeric



No Leak

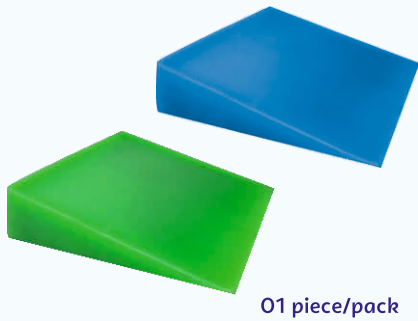


Non Allergenic

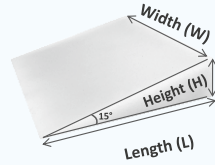
SOP IV (4): Device should equally support and universal for all age groups. Medigel® is hypoallergenic and nontoxic in nature. It has neonatal head rings to adult head rings and various size range is available to support all age groups. Further Universal Positioning Devices can be used at multiple positions during prolonged surgeries.



## Wedge Positioner (15°) Body Elevator



01 piece/pack

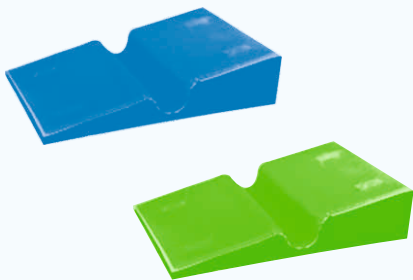


Item	Size	Dimensions (mm) L*W*H
WP-15-SBL	15°	280 x 280 x 75
WP-15-EGR	15°	280 x 280 x 75

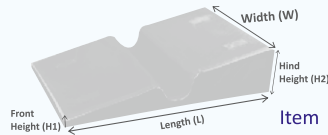


- It is a positioning device that rests body part at an angle of 15° slant
- Elevate body part while distribute pressure equally in all directions

## Lateral Positioner Side Positioner



01 piece/pack

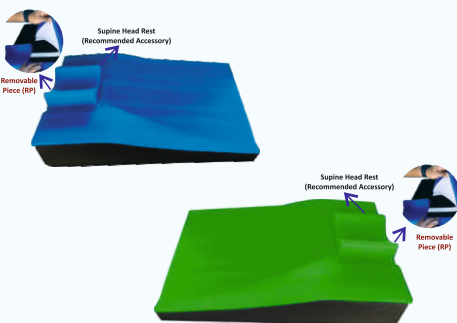


Item	Size	Dimensions (mm) L* W*(H <sub>1</sub> *H <sub>2</sub> )
LP-L-SBL	Large	710 x 480 x (150 x 25)
LP-L-EGR	Large	710 x 480 x (150 x 25)

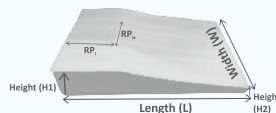


- It provides platform that rests the body part like upper part of arm while the patient needs to extend its arm in contoured arm board
- Elevates upper arm provides similar positioning in various positions

## Elevation Pillow Upper Body Elevator



01 piece/pack



Item	Size	Dimensions (mm) L* W*(H <sub>1</sub> *H <sub>2</sub> )
EP-SD-SBL	Standard	730 X 500 (125 X 37) (175 X 180)
EP-SD-EGR	Standard	730 X 500 (125 X 37) (175 X 180)



- Elevates upper/lower body part based on positioning requirement
- Slant neck support aligns body with optimal blood circulation in stabilised body parts



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

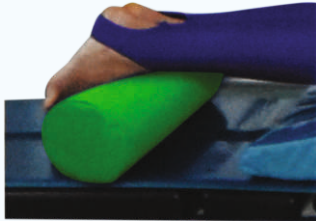


AST SOP-VIII (2:E-F): The pressure points and bone prominence should be identified and properly padded. No body part should extend beyond the edge or end of the OR Table/ positioning devices, such as armboard pad to avoid nerve injury. Medigel® Wedge Positioner, Elevation Pillow provide specific alignment with respect to body prominences while Lateral Positioner along with armboard pads ensure extension of limb within boundaries of OT Table.

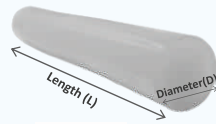


## Shoulder Roll (3 inch)

Head Neck Neutral Positioner



01 piece/pack

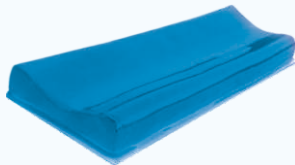


Item	Size	Dimensions (mm) L* D
SR-3-SBL	3"	510 X 75
SR-3-EGR	3"	510 X 75

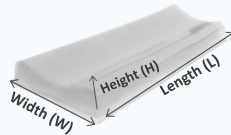
- Cylindrical shaped roll is used under the neck or shoulder to secure neutral position (sniffing position) with ease of breathability
- Ensures Head-Neck-Shoulder neutral alignment in various procedures like tracheotomy, thyroidectomy, tonsil and adenoid cases, cataract or other ophthalmic procedures

## Contoured Arm Board Pad

Multi-functional extensor



01 piece/pack

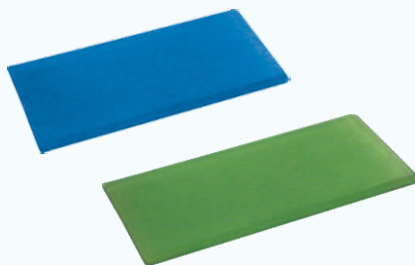


Item	Size	Dimensions (mm) L*W*H
CABP-SD-SBL	Standard	500 x 130 x 35
CABP-SD-EGR	Standard	500 x 130 x 35

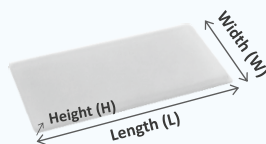
- Anatomically shaped armboard pad to provide support by pressure redistribution
- Slightly grooved to hold the arm with release of pressure on either direction

## Flat Arm Board Pad

Multi-utility Extensor



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
FABP-SD-SBL	Standard	600 x 125 x 12
FABP-SD-EGR	Standard	600 x 125 x 12

- FABP provides stabilized resting state to the extended arm during prolonged surgeries
- Standard OT Table Extensor useful in various body positions



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

AST SOP-VIII (2:E-F): The pressure points and bone prominence should be identified and properly padded. No body part should extend beyond the edge or end of the OR Table/ positioning devices, such as armboard pad to avoid nerve injury. Medigel® Shoulder Roll, Contoured Arm Board Pad, Flat Arm Board Pad, Knee Pads and Leg Tests provide either extension or specific pressure point padded & elastomeric support without going beyond the limits of OT Table.

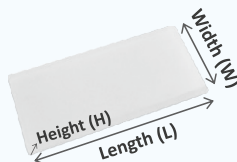


## Ulnar/Brachial Nerve Protector

Bi-functional protector



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
UBNP-M-SBL	Medium	350 x 150 x 10
UBNP-M-EGR	Medium	350 x 150 x 10
UBNP-L-SBL	Large	450 x 200 x 10
UBNP-L-EGR	Large	450 x 200 x 10

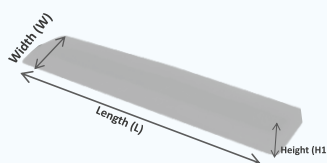
- Providing protection to the sensitive areas of elbows and arms during prolonged surgeries
- Comforting sensitive nerve areas by extreme cushioning

## Wrist Protector

Prevent Injuries



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
WRP-SD-SBL	Standard	250 x 50 x 12
WRP-SD-EGR	Standard	250 x 50 x 12

- Elastomeric protection of patient's wrist thereby avoiding nerve injury.
- Ergonomically designed to reduce pressure sores at sensitive wrists.



Organic



Single Phase



Non Film



Elastomeric



No Leak



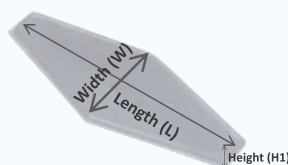
Non Allergenic

## Elbow Protector

Prevent Injuries



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
ELP-SD-SBL	Standard	400 x 150 x 12
ELP-SD-EGR	Standard	400 x 150 x 12

- Elastomeric protection to patient's elbow thereby avoiding ulnar nerve injury.
- Ergonomically designed to reduce pressure sores at sensitive elbow.

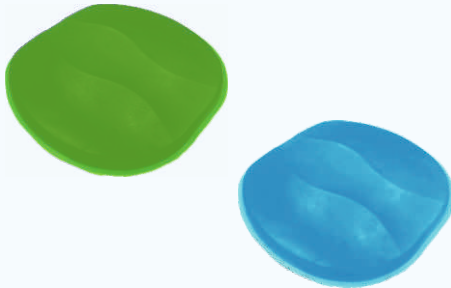


AST SOP -V: The risk of falling of patient should be reduced. Medigel® OT positioners are non-slippery and doesn't aid support to risk of falling patients.

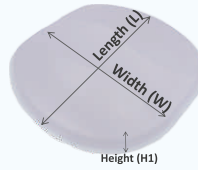


## Sacral Protector

Specific-site padded device



01 piece/pack

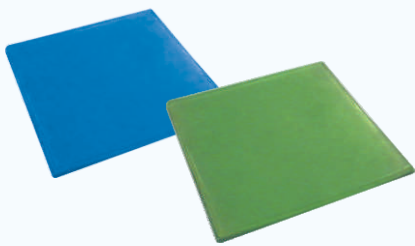


Item	Size	Dimensions (mm) L*W*H
SACP-SD-SBL	Standard	445 x 440 x 30
SACP-SD-EGR	Standard	445 x 440 x 30

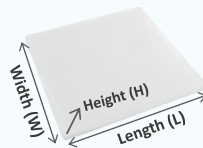
- Provides protection to unprotected sacral area in lithotomy and supine position, by relieving pressure and transverting it to peripheral areas

## Hip Pad Positioning Device

Critical functional positioner



01 piece/pack

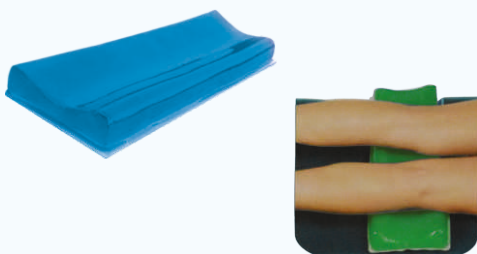


Item	Size	Dimensions (mm) L*W*H
HPPD-M-SBL	Medium	400 x 400 x 12
HPPD-M-EGR	Medium	400 x 400 x 12
HPPD-L-SBL	Large	520 x 520 x 12
HPPD-L-EGR	Large	520 x 520 x 12

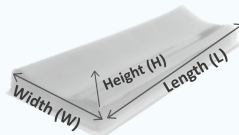
- Supports patient's hip during prolonged surgeries
- Hip protection with centrifugal equidistant pressure distribution

## Contoured Knee Pad

Multifunctional device



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
CKP-SD-SBL	Standard	500 x 130 x 35
CKP-SD-EGR	Standard	500 x 130 x 35

- Anatomically shaped knee pad to provide added support and stability by pressure redistribution
- Standard OT Table Extensor useful in multiple positions in lower body parts.

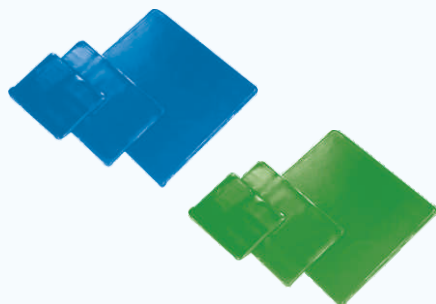


SOP IV (3): Lower extremity device should be additionally padded/ soft to prevent the risk of developing pressure ulcer. Medigel® provide a range of lower body positioning devices starting from Hip to Ankle area. All these are extremely soft (Shore O value limits to zero) and highly elastomeric prevent risk of developing any pressure ulcer.

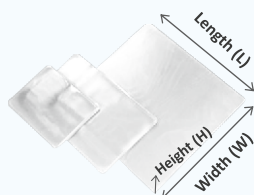


## Knee Crutch Pad

Knee support device



01 piece/pack

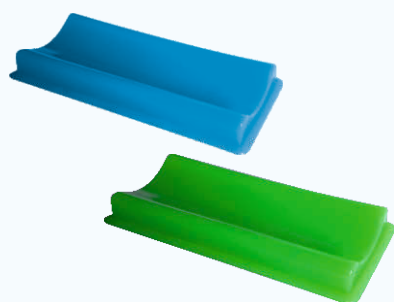


Item	Size	Dimensions (mm) L*W*H
KCP-S-SBL	Small	230 x 300 x 12
KCP-S-EGR	Small	230 x 300 x 12
KCP-M-SBL	Medium	280 x 400 x 12
KCP-M-EGR	Medium	280 x 400 x 12
KCP-L-SBL	Large	300 x 500 x 12
KCP-L-EGR	Large	300 x 500 x 12

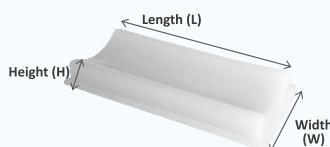
- Support to base of knee and leg, stabilize the position while knee and leg is aligned at multiple angles, resting during prolonged surgeries
- Protect nerve endings and complete pressure redistribution allows blood flow

## Contoured Calf Rest

Calf Resting Device



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
CCR-SD-SBL	Standard	300 x 130 x 35
CCR-SD-EGR	Standard	300 x 130 x 35

- It has grooved structure with slight curved edge as resting surface for calf area.
- Single phase continuous surface with enhanced pressure distribution on either side supporting calf as padded support device



Organic



Single Phase



Non Film



Elastomeric



No Leak



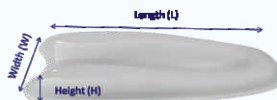
Non Allergenic

## Contoured Leg Rest

Leg resting positioner



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
CLR-SD-SBL	Standard	500 x 170 x 40
CLR-SD-EGR	Standard	500 x 170 x 40

- Ergonomic designed support to leg and heel area protects popliteal nerve by aligning with knee groove till anterior end of ankle region.
- Standard OT Table Resting device useful in providing stability to multiple body positions.



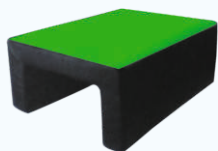
SOP VI [E]-5: A pillow should be placed under the posterior of the patient's knees to relieve pressure on the lumbar region of the back. Medigel® Knee Contoured/ Crutch, Calf Rest, Leg Rest, Tunnel Pad provides comprehensive positional support to knee, calf and leg area.



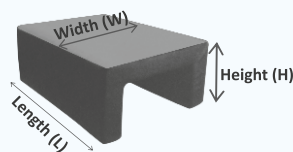


## Tunnel Pad

Lateral Leg Postioner



01 piece/pack

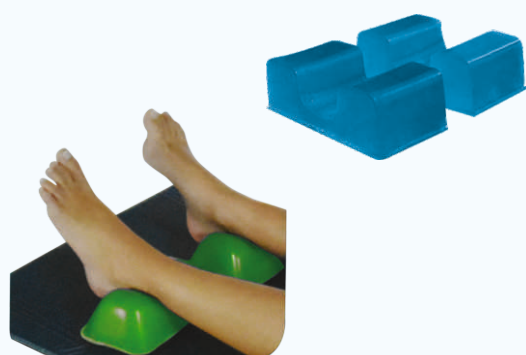


- Elastomeric protection of lower limb in lateral surgery like kidney and hip surgery.
- Ergonomically designed allowing knee and hip flexion.

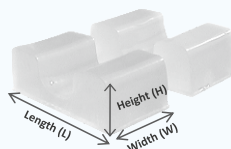
Item	Size	Dimensions (mm) L*W*H
TP-SD-SBL	Standard	640 x 450 x 250
TP-SD-EGR	Standard	640 x 450 x 250

## Heel Support Pad

Lower Extremity Protector



01 pair/pack



- Relieves pressure & enhanced blood flow to lower extremity by elastomeric ankle support and air cushioning to heels.
- Especially used in foot sole surgeries by exposing foot area.

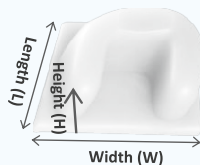
Item	Size	Dimensions (mm) L*W*H
HSP-M-SBL	Medium	150 x 80 x 55
HSP-M-EGR	Medium	150 x 80 x 55
HSP-L-SBL	Large	200 x 100 x 75
HSP-L-EGR	Large	200 x 100 x 75

## Heel Cup (Without Strap)

Lower Extremity Resting Device



01 pair/pack



- Designed to provide maximum protection to heel and ankle area during prolonged surgeries.
- Elastomeric rebound at body extremity by extreme resting state and adequate blood flow preventing foot ulceration.

Item	Size	Dimensions (mm) L*W*H
HCWS-SD-SBL	Standard	130x 180 x 65
HCWS-SD-EGR	Standard	130x 180 x 65



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

SOP IV (6): Device should not contribute in enhancing the gravity of previously existing pressure ulcers. Medigel® being impact resistant elastomeric cushioning device which rebound in less than fraction of second, does not able to cause any further increase in pressure ulcers.

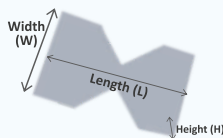


## Heel Cup (With Strap)

Lower Extremity Resting Device



01 pair/pack



- Designed to cover and protect heel and ankle area as a boot during prolonged lateral or supine positions.
- Adequate blood flow preventing foot ulceration and it can be used in conjunction with ankle protector also.

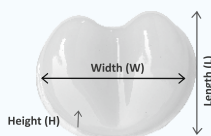
Item	Size	Dimensions (mm) L*W*H
HC-Strap-SD-SBL	Standard	400x 235 x 12
HC-Strap-SD-EGR	Standard	400x 235 x 12

## Heel Protector

Lower Extremity Protector



01 pair/pack



- It looks like heart shaped with elevated areas to protect heel on either side. Inner curvature provide padded platform for the heels during prolonged surgeries
- Single phase continuous surface, ergonomically designed to relieve pressure, enhanced blood flow to extremities with padded support till ankle region

Item	Size	Dimensions (mm) L*W*H
HP-SD-SBL	Standard	175 x 180 x 40
HP-SD-EGR	Standard	175 x 180 x 40



Organic



Single Phase



Non Film



Elastomeric



No Leak



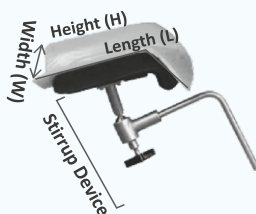
Non Allergenic

## Crutch Stirrup Pad

Knee & leg resting device



01 pair/pack  
(without Stirrup Device)



- Designed to fit both Lloyd Davies & various types of stirrups / leg-holders to relieve pressure from nerves and allows blood flow especially during lithotomy procedures.
- Protect against frictional impact, shear force and nerve injury.

Item	Size	Dimensions (mm) L*W*H
CSP-S-SBL	Small	320 x 220 x 10
CSP-S-EGR	Small	320 x 220 x 10
CSP-M-SBL	Medium	400 x 250 x 10
CSP-M-EGR	Medium	400 x 250 x 10
CSP-L-SBL	Large	520 x 300 x 10
CSP-L-EGR	Large	520 x 300 x 10

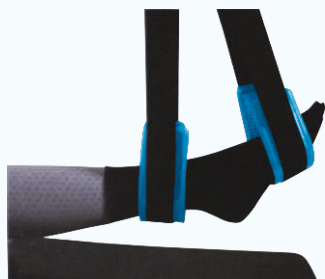


SOP IV (2): OT Positioning Device should be able to prevent pressure ulcer development in all surgeries for 03 or more hours? Medigel prevents neuronal damage, shear or friction induced tissue disruption with oil massaging impact for continuous use for indefinite periods,

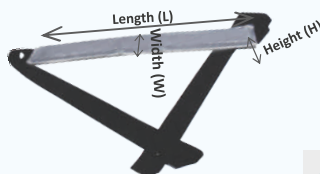


## Ankle Protector

Ankle Strap-Strirrup



01 pair/pack  
(without Stirrup Device)



Item	Size	Dimensions (mm) L*W*H
AP-SD-SBL	Standard	320 x 70 x 15
AP-SD-EGR	Standard	320 x 70 x 15

- Tissue protective gel pad prevents nerve damage in lithotomy positions.
- Fix easily, adjustable and straps around ankle.

## Boot Stirrup Pad

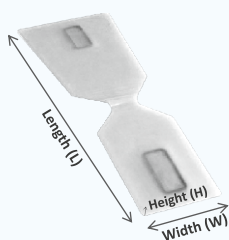
Foot & ankle resting device



(without Boot Stirrup Device)



01 pair/pack



Item	Size	Dimensions (mm) L*W*H
BSP-SD-SBL	Standard	600 x 150 x 10
BSP-SD-EGR	Standard	600 x 150 x 10

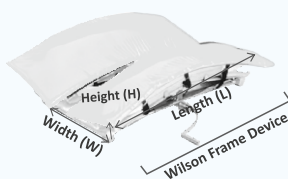
- Designed to protect patient's foot & ankle area in universal stirrups.
- Pads are used in lithotomy position for gynecological & urological procedures; colon/rectal cases.

## Wilson Frame Pad

Spine aligner -cum-cushioner



01 pair/pack  
(without Wilson Frame Device)



Item	Size	Dimensions (mm) L*W*H
WFP-M-SBL	Medium	660 x 100 x 12
WFP-M-EGR	Medium	660 x 100 x 12
WFP-L-SBL	Large	750 x 255 x 12
WFP-L-EGR	Large	750 x 255 x 12

- Supports patient's spine by aligning it on wilson frame and WFP provide extreme elastomeric cushioning with added protection from shear & pressure. WFP is provided alone and not with Wilson frame.
- Prefixed on frame with hoop & loop attachment used frequently in neurological & orthopaedic prolonged surgical procedures



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

AST SOP-IV: The risk of falling of patient should be reduced. Medigel® OT Positioners are non slippery and doesn't aid support of risk of falling patient.

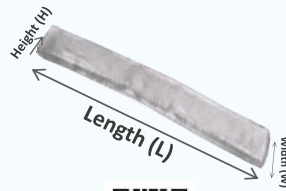


## Body Protector

Universal protection



01 pc/pack

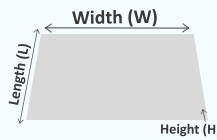


Item	Size	Dimensions (mm) L*W*H
BDP-SD-SBL	Standard	600 x 70 x 12
BDP-SD-EGR	Standard	600 x 70 x 12

- Immobilise body and joints preventing injury to patients body.
- Patient positioning belt providing stability tissue protection with a clip lock attachment fitting universally on all operating tables.

## Universal Operating Table Pad

Full Length OT Table Pad



Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
UOTP-SD-SBL	Universal Operating Table Pad	500 X 500 X 12
UOTP-SD-EGR	Universal Operating Table Pad	500 X 500 X 12

- Cushioning gel covering large surface area of body (nearly full body of OT Table length)
- Complete pressure redistribution preventing bed sores, pressure shear and frictional impact



Organic

01 piece/pack



Single Phase

## Half Length Operating Table Pad

Half OT Table Length



Non Film



Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
HLOTP-SD-SBL	Half Length Operating Table Pad	900 X 500 X 12
HLOTP-SD-EGR	Half Length Operating Table Pad	900 X 500 X 12

- Cushioning gel covering half length of body.
- Complete pressure redistribution preventing bed sores, pressure shear and frictional impact



Elastomeric



No Leak

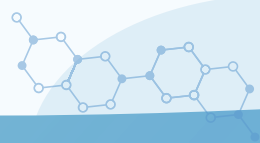


Non Allergenic

01 piece/pack

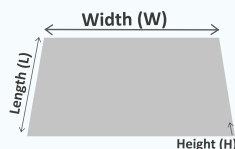


AST SOP-VI [E] (3): The OR table safety strap must not be secured too tightly across the patient (able to insert two fingers comfortably) in order to avoid pressure that can compromise circulation and friction. Medigel® Body Protector with gel lining is designed for desired purpose.



## 3/4 Length Operating Table Pad

3/4 OT Table Length



01 piece/pack

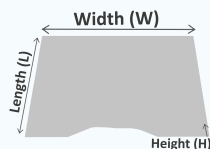


- Cushioning gel covers 3/4 OT table length completing to OT Table Pad
- Base platform gel to provide space for other positioning devices and direct cushioning wherever applicable.

Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
3/4LOTP-SD-SBL	3/4 Length Operating Table Pad	1150 X 500 X 12
3/4LOTP-SD-EGR	3/4 Length Operating Table Pad	1150 X 500 X 12

## 3/4 Length Operating Table Pad (with cut out)

3/4 OT Table Length



01 piece/pack

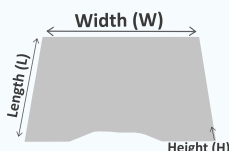


- Cushioning gel covers 3/4 OT table length completing to OT Table Pad with cut out
- Complete pressure re-distribution prevent bed sores, pressure shear and frictional impact

Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
3/4LOTP-WCO-SD-SBL	3/4 Length Operating Table Pad (with cut-out)	1150 X 500 X 12
3/4LOTP-WCO-SD-EGR	3/4 Length Operating Table Pad (with cut-out)	1150 X 500 X 12

## Perineal Operating Table Pad (with Cut Out)

Universal Pad (With Perineal Cut)



01 piece/pack



- Cushioning gel covering large surface area of body though with perineal cut-out section with width of 200mm
- Complete pressure redistribution preventing bed sores, pressure shear and frictional impact

Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
POTP-WCO-SD-SBL	Perineal Table Pad, Flat Type, With Cut-Out	500 X 500 X 12
POTP-WCO-SD-EGR	Perineal Table Pad, Flat Type, With Cut-Out)	500 X 500 X 12



Organic



Single Phase



Non Film



Elastomeric



No Leak



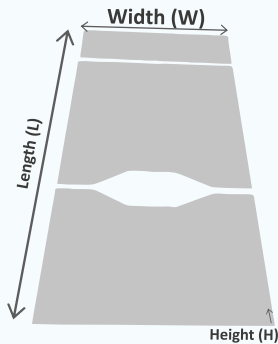
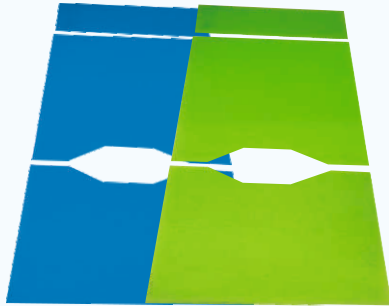
Non Allergenic

SOP-III C-I: Material should be radiolucent, non allergenic, shelf life and easy to clean. Medigel® is SIAM/ MRI compliant, hypoallergenic (doesn't support microbial growth)/ anti microbial coated enhancing its shelf life and being hydrophobic, easy to clean with standard hospital disinfectants/ detergents.



## Operating Table Pad-3 Pc Set

Head Torso-Foot Positioning Care



01 set (3 Pcs)/ pack



Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
OTTP-3-SD-SBL	Operation Theatre Table Pad 3pc.	
	Head Section	225 X 500 X 12
	Torso Section	990 x 500 x 12
	Foot Section	500 x 500 x 12
OTTP-3-SD-EGR	Operation Theatre Table Pad 3pc.	
	Head Section	225 X 500 X 12
	Torso Section	990 x 500 x 12
	Foot Section	500 x 500 x 12

- Cushioning gel covering head, torso and foot section with separate pads for each section
- Maximum pressure redistribution preventing bed sores among all three body divisions & such pressure redistribution prevent bed sores, pressure, shear and frictional impact



Organic

## Head Section Operating Table Pad

Head Positioning Care



Single Phase



Non Film



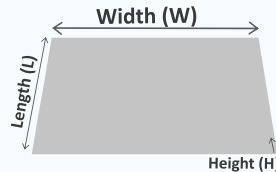
Elastomeric



No Leak



Non Allergenic



01 piece/pack



Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
HSOTP-SD-SBL	Head Section Operating Table Pad	225 X 500 X 12
HSOTP-SD-SBL	Head Section Operating Table Pad	225 X 500 X 12

- Cushioning gel covering head section and platform for other head positioning devices required in different positions
- Pressure distribution equally in all direction led to neutralization of pressure exerted by body prominences

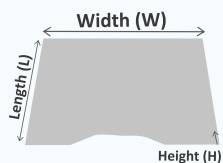


AST SOP-III-C (I): Personnel should be allowed to use the mattresses on test basis to determine which performs best and meets need of patient. Medigel® Tester sample, with laid down Acceptance Test Procedures ensures fulfillment of quality requirement and patient's need / safety.



## Torso Section Operating Table Pad (w. Cut out)

Upper-to-Mid Body Positioning Care



Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
TSOTP-WCO-SD-SBL	Torso Section OT Table Pad (with cut out)	990 X 500 X 12
TSOTP-WCO-SD-EGR	Torso Section OT Table Pad (with cut out)	990 X 500 X 12



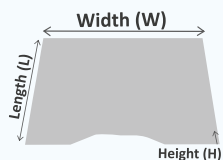
01 pc/pack



- Cushioning gel covering torso section and platform for upper-to-mid body positioning devices required in different positions
- Pressure distribution equally in all direction led to neutralization of pressure exerted by body prominences

## Foot Section Operating Table Pad (w. Cut out)

Lower Body Positioning Care



Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
FSOTP-WCO-SD-SBL	Foot Section OT Table Pad (with cut out)	500 X 500 X 12
FSOTP-WCO-SD-EGR	Foot Section OT Table Pad (with cut out)	500 X 500 X 12



01 pc/pack



- Cushioning gel covering foot section and platform for lower body positioning devices required in different positions
- Pressure distribution equally in all directions led to neutralization of pressure exerted by body prominences

## Incubator Gel Pad

Infant Body Protector



Item	Size	Dimensions (mm) L*W*H
IGP-SD-SBL	Standard	600 x 340 x 12
IGP-SD-EGR	Standard	600 x 340 x 12



01 pair/pack



- Unique extremely soft neonatal pressure dispersing pad protecting soft tissues against pressure sores and nerve damage.
- Hypoallergenic and certified hazardous substance free infant protection.



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

SOP IV (4): Device should equally support and universal for all age groups. Medigel® Incubator gel pad developed for protection of fragile body of infant during procedures and beyond during monitoring.



**Medigel® Operation Theatre Positioning Devices** are Class A (equivalent to class 1 globally) medical devices registered with FDA (India) as per MDD registration series: GELCR-GHAZIUP/ M/MD/XXXXXX. The products are manufactured with ISO 13485: 2016 standards each carrying the CE quality marks and are free from any hazardous chemicals (REACH Certified). The technology is well tested with series of standard in house/ third party tests (as given below) for ensuring quality products to be made available for anaesthetised patient ensuring compatibility with OT room environment, sanitized and or disinfected by Ultraswachh™ products.

## Moisture Resistance

**Procedure:** Dip the tester sample in the 500 ml water filled testing container (laboratory beaker) and keep it for 1 hour to check impact by squeezing it and then wipe it. Check the change of weight of the sample prior to wetting and post wetting/ wiping. Take same size of foam piece and follow the same procedure. Note the difference in change of weigh and check whether there is absorption of water or not?

**Results:**

Property	Medigel®	Standard Foam
Relative change in weight (%)	~0	Min 2-5%
Absorbed Water	No	Yes



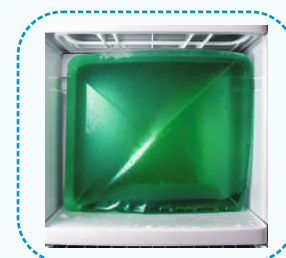
**Inference:** Medigel® is hydrophobic in nature and don't absorb water as its density is ~ 0.85g/cc, thus floats on water as described in report (figure 1). This property provides ease of cleaning with standard detergents/ cleansing/ sanitizing agents used in hospitals (as described in user manual) as well as compliant with Ultraswachh™ sanitization devices.

## Hot & Cold Tolerance

**Procedure:** Keep the sample in refrigerator (ice making section) for 1/2 hour or if available laboratory set up at -20°C for ½ hour. Remove the sample after incubation; wipe it with cloth and check its integrity in terms of structural change, whether it's freeze or not. Now take the sample again after keeping it at room temperature (~25°C) for 10 min. Set the oven temperature at +40°C and keep it in a beaker/ petridish or alternatively keep the beaker containing sample and place in water bath maintained at +40°C. After incubation take the sample out keep it for 2 min (beaker will be slightly hot) & check for any change.

**Results:**

Property	Medigel®
Cold Test	No structural changes and it don't get frozen
Hot Test	No structural changes and it don't melt at this temperature.



**Inference:** Medigel® is effectively useful from -30°C to +40°C and doesn't crack even at low temperature (as illustrated in report given in figure 1).



**Quality Analysis Report:** A battery of quality control procedures are adopted for in house testing of Medigel® batches ensuring no batch-to-batch variation.





## Translucent to X-Ray & MRI/SIAM Compliant

The sample was taken for standard X-rays to reveal its nature under X-rays and tested by third party for its electrical conductivity.

### Results:

Property	Medigel®
X-Ray Translucent	Yes
Electrical Conductivity Test	Non-conductive (R>10,000 M Ohm)



**Inference:** Medigel® is translucent to X-rays and compatible to MRI/ SIAM being electrically non-conductive as given in report (figure 1).



Figure 1-3: (Left-Middle-Right) Test Certificate of Medigel® illustrating different properties.

## Resilience : Weight Bearing Capacity

**Procedure:** 2000 pounds of weight to be placed on the sample piece (vertically downwards, as maximum load will be placed on the product). Remove it carefully after 15 min and note the observations: (a) time to achieve normal shape; (b) distortion on the surface (Repeat the process 05 times and check the observations).

### Results:

Property	Medigel®
Time to achieve normal shape	Immediately rebound to original shape in less than fraction of second
Surface Distortions	Non-significant / limits to minimum.



**Inference:** Medigel® rebounds faster, impact resistance and able to withstand body weight up to 900 Kgs (~1600 psi) in vertical direction due to its tensile strength of 1.5kN/m and tear strength of 4.0 Kg/cm<sup>2</sup> (figure 2)

**Acceptance Test Procedures:** The tests (from above-mentioned series of tests) that can be performed by an individual buyer (or user) without any specific laboratory requirement are referred as Acceptance Test Procedures for which a gel tester (2" X 2") is provided in each pack.



## Softness & Elastomerism: Stretchability

**Procedure:** The softness is estimated using Shore A device and note down its values for comparative analysis with other material. To test the intrinsic property of elastomeric cushioning, hold the dried sample from both ends and stretch it twice its length (check whether it reached twice its length), slowly remove the tension induced (check how much time it will take to recover it to original shape). Ask another colleague to hold two ends of the piece while you hold the other two and expand it slowly (check your observation, whether it expands extensively or not), remove the tension slowly and note how much time it will take to come back to normal state. Sample will third party tested for standard elongation% procedure too.

**Results:**

Property	Medigel®
Softness	Shore A value limits to zero
Elongation%	500-1500%



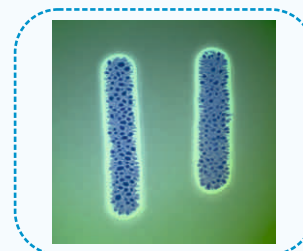
**Inference:** Medigel® is extremely soft (shore A value limits to zero) while elastomeric behaviour realized as elongation % lies between 500-1500% (figure 2). Unlike silicone and polyurethane polymers, it can be stretched twice its size. This unique combination of softness and elasticity makes it ideal for operation theatre positioning devices, foot care, health care devices and impact resistance devices.

## Hypoallergenicity: No Support to Microbial Growth

**Procedure:** The sample was tested for fungal growth from third party. In addition, the anti-microbial coating with 90 days sustainability was tested against hospital infectious pathogens and sample was also tested for their intrinsic composition as per REACH standards of environmental friendliness.

**Results:**

Property	Medigel®
Fungal Growth	Not observed
Anti-microbial coating	Anti-viral (neutralized Covid-19) & Anti-Bacterial (hospital pathogens)
REACH Test	Yes, no hazardous chemicals found.



**Inference:** Medigel® is hypoallergenic or inert, doesn't support microbial growth as illustrated in figure 2. The anti-microbial formulation coats & retard growth (see picture with coating) of hospital pathogens (figure 3), neutralized COVID-19 (figure 4) and being REACH certified, it doesn't contain any hazardous chemicals, being an extremely safe option for different medical devices including OT positioning devices (figure 5).

## Non-Leaking & Single Phase

**Procedure:** Take a pointed pin with sharp end and pierce it at the centre of the sample piece by vertically downward action, repeat it twice at O2 different positions. Check whether the sample leaks at any time. The test will determine that if the sample doesn't leak it is single continuous phase requiring no film to encapsulate the structure limiting equalized pressure dispersion as observed in jelly based devices.



**QA Certification:** Each batch QA certification is generated for traceability of items received with their linkage bar code on each individual pack.



### Results:

Property	Medigel®
Prick Test	No leaking observed,
Single Continuous Phase	Yes, no film required that can limit pressure dispersion



**Inference:** Medigel® is non-leaking, non-porous polymer with single continuous phase requiring no film as required by jelly based OT devices encapsulated with film limiting its pressure dispersion.

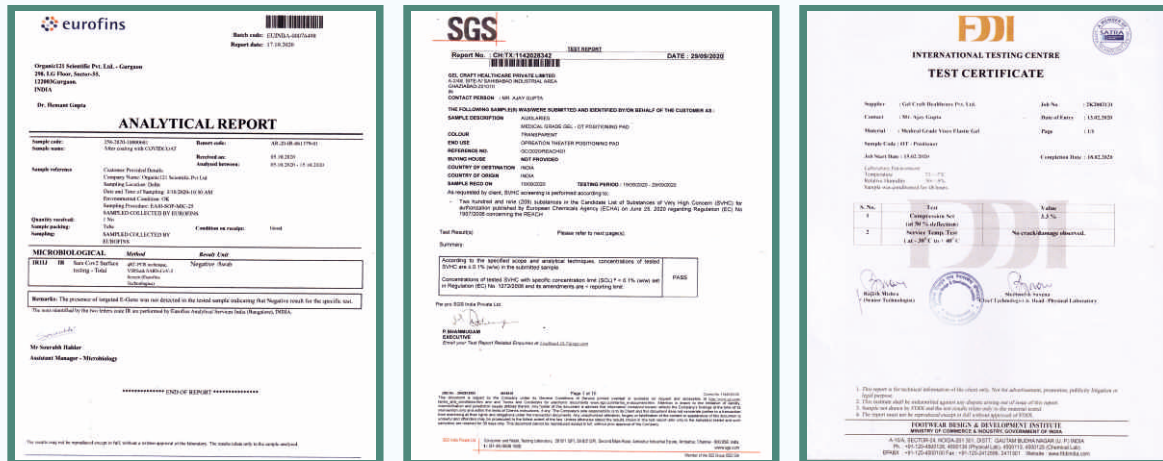


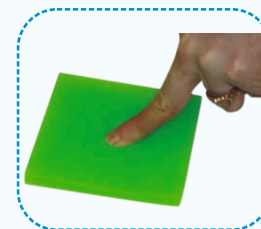
Figure 4-6: (Left-Middle-Right) Test Certificate of Medigel® illustrating different properties.

## Compression Resilience & Neuro-Muscular Protection

**Procedure:** Take a sample piece, compress it with 1Kg metal weight block & repeat it 100 times, at every time, note the time of its re-bouncing back to normal shape. Also test the compression set% (at 50% deflection) of gel using third party testing procedure.

### Results:

Property	Medigel®
Re-bouncing Test	Less than fraction of second
Compression Set% (50% deflection)	3.3%



**Inference:** Medigel® re-bounce back to normal shape in less than fraction of second, touch like natural skin and even repeatable pressure applications, retain its shape. The compression set% is less than 4% (figure 6) makes it strong, robust and flexible gel composition. Unlike memory foam, it releases back faster, essential for neuro-muscular protection behaviour.

## Burn Test

**Procedure:** Hold carefully the pricked sample (previous test) in your left hand and burn the sample from the opposite side (Observe the type and color of smoke, melting rate and residue falling on the ground). Remember it would be extremely hot to touch the melted gel and you need to shut the burning within few seconds of burning otherwise complete sample will be burnt in no time. Don't perform this procedure on silicone gel or latex containing sheet without any mask as a black toxic smoke and / or powdery residue (in case of silicone) will be observed.

**Warranty:** The products are guaranteed against manufacturing defect for the period of 2 years as per the terms & conditions given in warranty card.



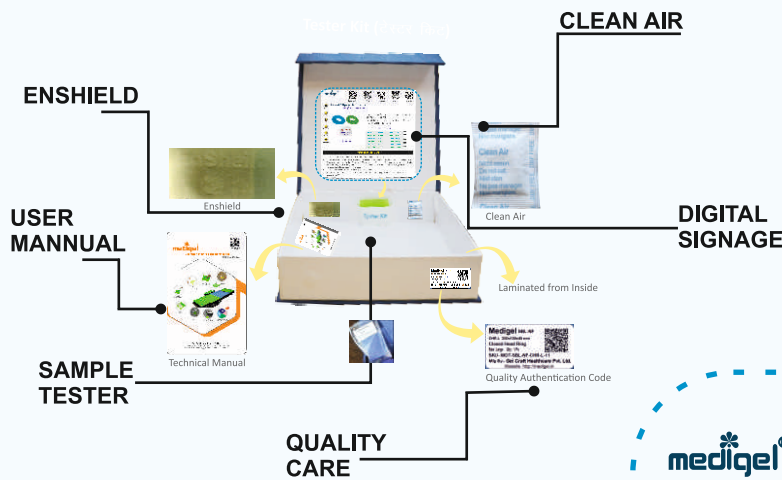
## Results:

Material Sample	Type of Soot
Medigel®	White smoke with no odor, burns like candle or true gel
Silicone	Smoke (mixed color) with powdery residue (based on type of silicon composition-gel/ rubber)
PU Gel	Black/ mixed odor smoke (toxic) - should not be inhaled.



**Inference:** Medigel® doesn't produce any odor and being non-hazardous in nature (REACH certified), the chemical released are also non-toxic, though it burns faster being oil based organo-gel in nature like waxy material. The polymer is developed using hot composition mixing in molten state polymerizes at room temperature unlike cold polymerization process of silicone.

## Packaging Standards



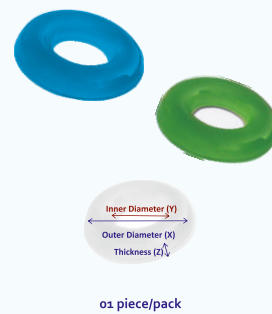
### Digital Signage



### Donut/ Open Head Ring

Multifunctional positioner

-  Organic
-  Single Phase
-  Non Film
-  Elastomeric
-  No Leak
-  Non Allergenic



- Supports patient's head during prolonged surgeries (air and gel cushioning)
- Protect skull, neck and ears in multiple positions by conforming to head's contour

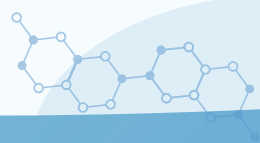
Item	Size	Dimensions (mm) X* Y*Z	
OHR-S-SBL	Small	90 x 45 x 20	<input type="checkbox"/>
OHR-S-EGR	Small	90 x 45 x 20	<input type="checkbox"/>
OHR-M-SBL	Medium	150 x 80 x 30	<input type="checkbox"/>
OHR-M-EGR	Medium	150 x 80 x 30	<input type="checkbox"/>
OHR-L-SBL	Large	200 x 100 x 40	<input type="checkbox"/>
OHR-L-EGR	Large	200 x 100 x 40	<input type="checkbox"/>

#### Instructions for Care

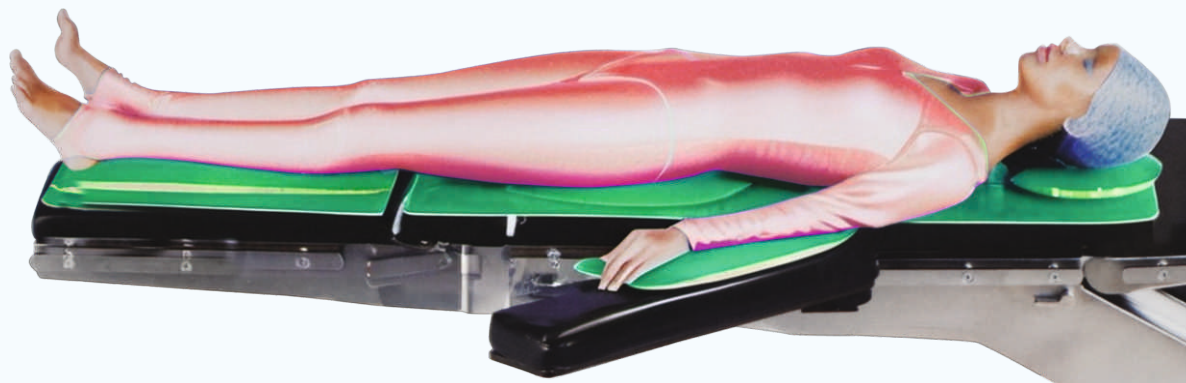
- ✓ Keep off sharp/pointed implements. Do not expose to heat or direct sunlight.
- ✓ The products can be disinfected with common available clinical disinfectants such as (Providone-Iodine Solution IP 5% w/v), (Isopropyl Alcohol IP 70% v/v), (Chloroxylenol IP 4.8% v/v, Terpineol 9% v/v, Alcohol Absolute (Denatured) 13.1% v/v) and (Chlorhexidine Gluconate Solution IP 1.5% v/v, Cetrimide IP 3% w/v). Puff some standard hospital talcum powder before use.
- ✓ The products are easily cleaned using standard detergents.
- ✓ Do not autoclave it can be heated upto the temperature of maximum + 50° C and cooled upto the temperature of maximum -20° C.



High quality packaging ensure precision care of highly robust gel positioning devices.



## SUPINE POSITIONING



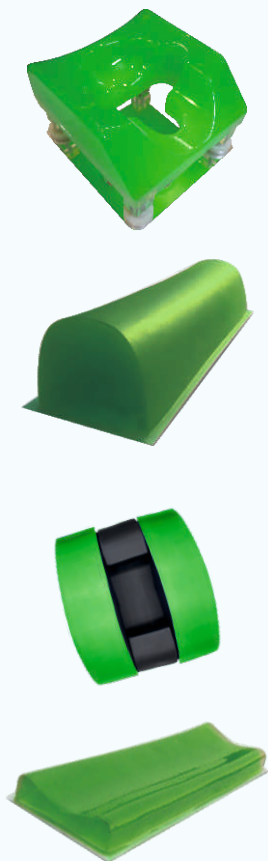
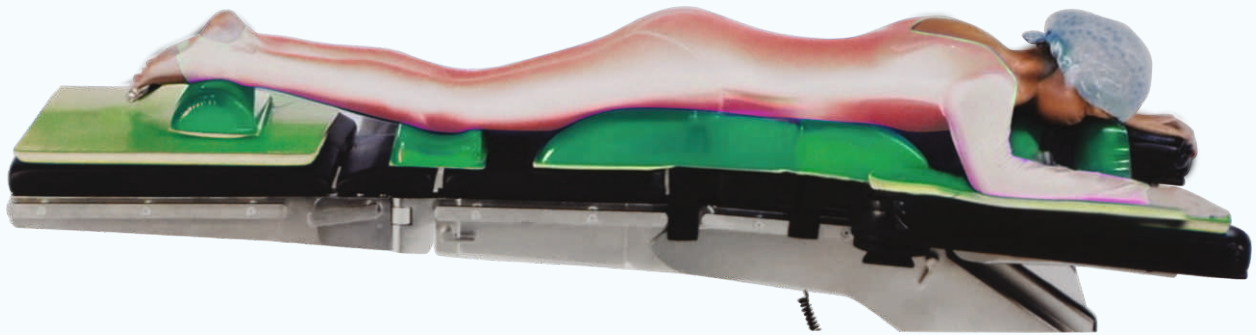
Body Area	✓Check to select product	Size	P. No.
Head	Donut/Open Head Ring	S, M, L	4
	Closed Head Ring	S, M, L	4
	Supine Contoured Head Rest	Standard	5
	Ophthalmic Cradle Head Rest	Standard	5
	Face/Fore Head Protector	Standard	6
Upper Body	Dome Flat Bottom Chest Roll	S, M, L, XL	8
	Contoured Arm Board Pad	Standard	11
	Flat Arm Board Pad	Standard	11
	Wrist Protector	Standard	12
	Elbow Protector	Standard	12
	Elevation Pillow	Standard	10
Multi-Site	Universal Positioner	Standard	9
Lower Body	Sacral Protector	Standard	13
	Hip Pad Positioning Device	M, L	13
	Contoured Calf Rest	Standard	14
	Contoured Leg Rest	Standard	14
	Heel Support Pad	M, L	15
	Heel Cup(without strap)	Standard	15
	Heel Protector	Standard	16
OT Table Pads	Head Section OT Table Pad	Standard	20
	Torso Section OT Table Pad	Standard	21
	Foot Section OT Table Pad	Standard	21

Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large; P.No: Page Number

Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).



## PRONE POSITIONING



Body Area	✓ Check to select product	✓ Size	P. No.
Head	U-Shape Head Ring	M, L	4
	U-Shape Head Ring (without base)	M, L	5
	Prone Head Rest Type II	M, L	6
	Prone Head Rest Type III	L	7
	Gel Base for Metallic Neurohead Frame	M, L	7
	Horse Shoe Ring-Eye Pressure Relief	Standard	6
	Upper Body	Dome Flat Bottom Chest Roll	S, M, L, XL
Contoured Arm Board Pad		Standard	11
Flat Arm Board Pad		Standard	11
Flat Prone Gel Bed		Standard	8
Prone Positioning Gel Bed		Standard	8
Multi-Site	Flat Bottom Chest Roll	Standard	9
	Universal Positioner	Standard	9
	Body Protector	Standard	18
Lower Body	Contoured Knee Pad	Standard	13
	Heel Support Pad	M, L	15

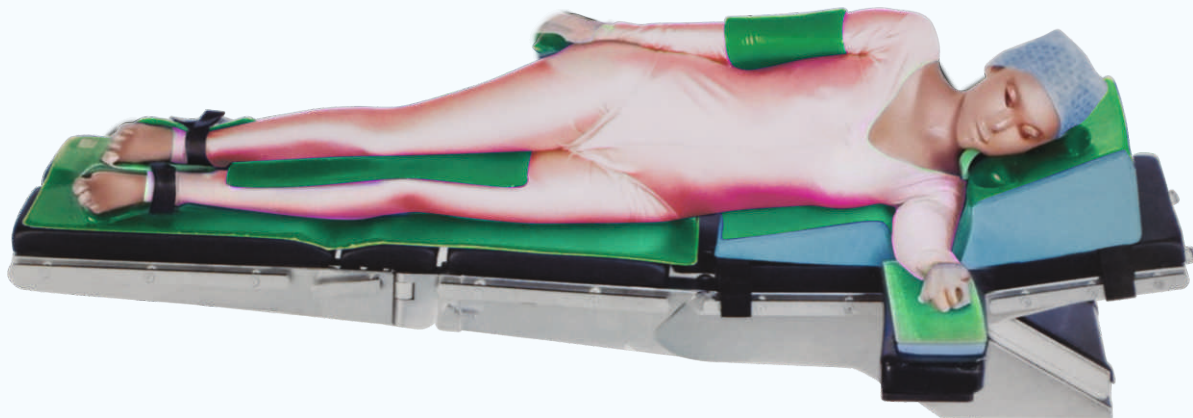
Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large;  
P.No: Page Number



Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).



## LATERAL POSITIONING



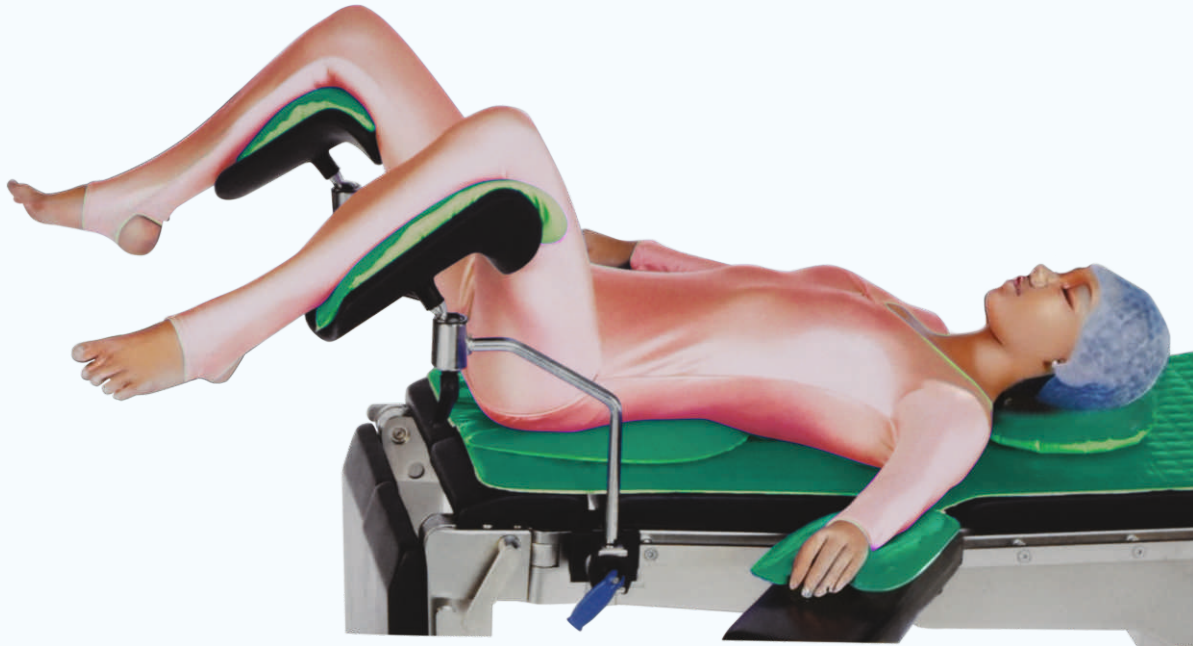
Body Area	✓ Check to select product	✓ Size	P. No.
Head	U-Shape Head Ring (without base)	M, L	5
Upper Body	Lateral Positioner	L	10
	Contoured Arm Board Pad	Standard	11
	Flat Arm Board Pad	Standard	11
	Ulnar/ Brachial Nerve Protector	M, L	12
	Wrist Protector	Standard	12
Multi-Site	Elbow Protector	Standard	12
	Body Protector	Standard	18
Lower Body	Shoulder Roll (3")	3"	11
	Heel Cup (with strap)	Standard	16
	Tunnel Pad	Standard	15
	Foot Section Operating Table Pad (with/ without cut out)	Standard	21
OT Table Pad	Half Length OT Table Pad	Standard	18
	¾ Length OT Table Pad	Standard	19

Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large; P.No: Page Number

Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).



## LITHOTOMY POSITIONING

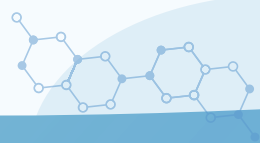


Body Area	✓ Check to select product	✓ Size	P. No.
Head	Donut/ Open Head Ring	S, M, L	4
	Closed Head Ring	S, M, L	4
Upper Body	Contoured Arm Board Pad	Standard	11
	Flat Arm Board Pad	Standard	11
	Wrist Protector	Standard	12
	Elbow Protector	Standard	12
Multi-Site	Body Protector	Standard	18
Lower Body	Sacral Protector	Standard	13
	Hip Pad positioning Device	M, L	13
	Crutch Stirrup Pad	S, M, L	16
OT Table Pad	Half Length OT Table Pad	Standard	18
	¾ Length OT Table Pad	Standard	19

Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large;  
P.No: Page Number



Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).





## REVERSE TRENDENBERG POSITIONING

Body Area	✓ Check to select product	✓ Size	P. No.
Head	Donut/ Open Head Ring	S, M, L	4
	Closed Head Ring	S, M, L	4
	Supine Contoured Head Rest	Standard	5
	Ophthalmic Cradle Head Rest	Standard	5
Upper Body	Ulnar/ Brachial Nerve Protector	M, L	12
Multi-Site	Body Protector	Standard	18
	Universal Positioner	Standard	9
OT Table Pad	Head Section OT Table Pad	Standard	20
	Half Length OT Table Pad	Standard	18
	Foot Section OT Table Pad	Standard	21

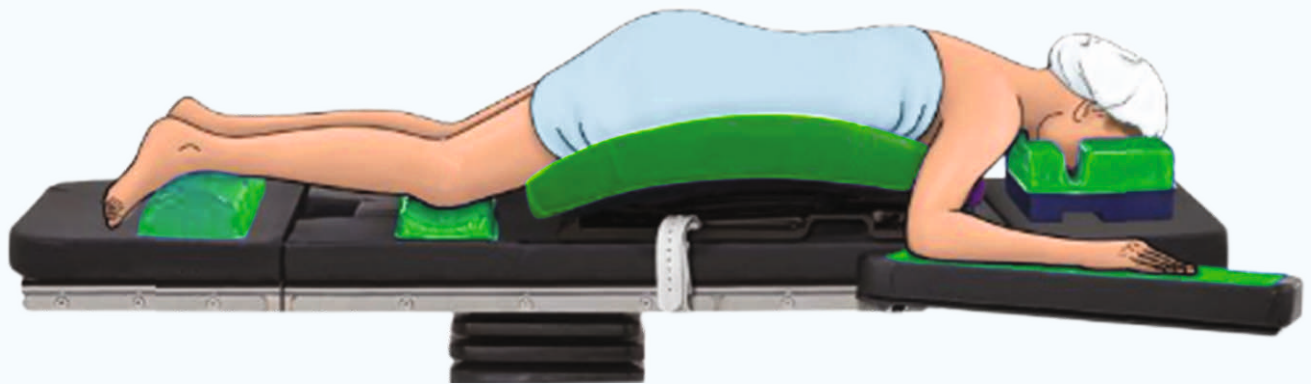
Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large;  
P.No: Page Number



Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).



SPINAL POSITIONING



Body Area	✓ Check to select product	✓ Size	P. No.
Head	U-Shaped Head Ring (without base)	M, L	5
	Prone Head Rest Type III	L	7
	Gel Base for Metallic Neurohead Frame	M, L	7
	Horse Shoe Ring-Eye Pressure Relief	Standard	6
Upper Body	Contoured Arm Board Pad	Standard	11
	Wilson Frame Pad	M, L	17
Lower Body	Contoured Knee Pad	Standard	13
	Dome Flat Bottom Chest Roll	S, M, L, XL	8

Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large; P.No: Page Number



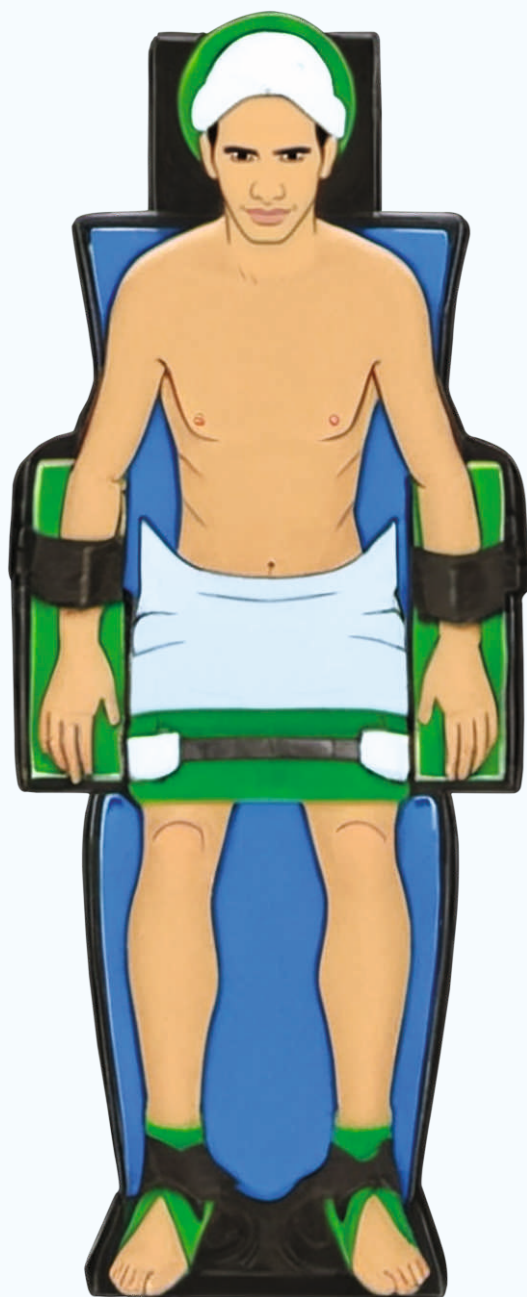
Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).



## FOWLER'S POSITIONING

Body Area	✓ Check to select product	✓ Size	P. No.
Head	Closed Head Ring	S, M, L	4
	Supine Contoured Head Rest	Standard	5
Upper Body	Flat Arm Board Pad	Standard	11
Lower Body	Heel Protector	Standard	16
Multi - Site	Body Protector	Standard	18
	¾ Length OT Table Pad	Standard	19

Std: Standard; S: Small; M: Medium; L: Large; XL: Extra Large; P.No: Page Number



Select combination of positioning devices as in accordance with recommendations of Association of Surgical Technologists (ASTs).



## Scar Reduction Sheet

Just Fade Away Scars

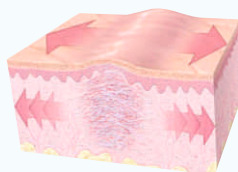


For External Use Only

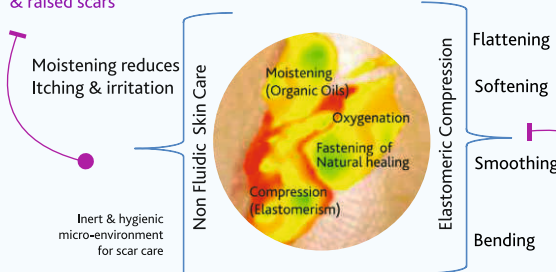
pair/pack

Item	Size [Length *Width * in inches]	Available Packs 1, 2, 5, 12 pc/pack
SRS-12	1" x 2"	2X, 5X, 12X
SRS-18	1" x 3"	1X, 2X, 5X
SRS-25-1	1" x 4"	1X, 2X,5X
SRS-32	1" x 5"	1X, 2X,5X
SRS-38-1	1" x 6"	1X, 2X,5X
SRS-20	1.5" x 2"	1X, 2X,5X
SRS-30	1.5" x 3"	1X, 2X,5X
SRS-40	1.5" x 4"	1X, 2X,5X
SRS-50-1	1.5" x 5"	1X, 2X
SRS-60	1.5" x 6"	1X, 2X
SRS-25-2	2" x 2"	1X, 2X
SRS-38-2	2" x 3"	1X, 2X
SRS-50-2	2" x 4"	1X, 2X
SRS-62	2" x 5"	1X, 2X
SRS-75-1	2" x 6"	1X, 2X
SRS-75-2	4" x 3"	1X, 2X
SRS-100	4" x 4"	1X, 2X
SRS-125	4" x 5"	1X
SRS-150	4" x 6"	1X
SRS-112	6" x 3"	1X
SRS-188	6" x 5"	1X
SRS-225	6" x 6"	1X

- Organic oil moistening reduces irritation/ itching, promotes natural healing & faster recovery by providing inert and hygienic micro-environment
- Elastomeric compression aids in reducing hypertrophic and keloid scars by flattening, softening, smoothing & bending of scarred tissue in 8-12 weeks (depending upon age & type of scar)
- Easily removable, soothing natural skin touch and leaves no greasy marks (non-fluidic). It should not be used on open wounds

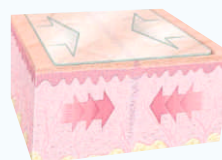


In recovering scars, skin strains & widens. Collagen & scar tissue buildup pushes upwards creating **uneven, thick & raised scars**



Fading of Scars\*  
(8-12 weeks - may vary bases on type & age of scars)

Medigel® technology aid elastomeric cushioning protect & off load tension to relieve pain & reduces scar tissue formation



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic



## Breast Prosthesis

Post-mastectomy care



pair/pack

Item (Drop Type)	Bra Size [30-46; Cup size: A, AA, B,C, D,DD]	Dimensions (Length *Width * Height - in cms)
NTBP-01	30A	11.5 x 9 x 3.5
NTBP-02	32A 34AA	12.5 x 10 x 4.0
NTBP-03	32B, 34A, 36AA	14.0 x 10.5 x 4.5
NTBP-04	32C, 34B, 36A, 38AA	14.5 x 11.0 x 4.5
NTBP-05	32D,34C, 36B, 38A, 40AA	15.0 x 11.0 x 5.5
NTBP-06	32DD, 34D, 36C, 38B, 40A	15.5 x 12.0 x 6.0
NTBP-07	34DD, 36D, 38C, 40B, 42A	16.0 x 12.5 x 6.0
NTBP-08	36DD, 38D, 40C, 42B, 44A	16.5 x 12.5 x 6.0
NTBP-09	38DD, 40D, 42C, 44B	17.0 x 12.5 x 6.5
NTBP-10	40DD, 42D, 44C, 46A	17.5 x 12.5 x 7.0
NTBP-11	42DD, 44D, 46B	17.5 x 13.0 x 7.0
NTBP-12	44DD, 46C	18.0 x 13.5 x 7.5

- Natural skin touch/ skin colored provides elastomeric oil massaging aid in protecting surgically traumatized breast site
- Water resistant (not to remove in swimming pools), no special cradle required to retain shape as impact resistant.
- Hygienic, washable, non-leaky (as other jelly breasts) with long life utility.

**Step 1**

**Step 2**

Measure both High Bust (HB) and Full Bust (FB). Calculate FB-HB. Compare this number with table to obtain cup size (AAA, AA, A, B, C, D, DD etc.).

Difference between FB-HB (in inches)	Cup size
Less than 1"	AA
Near to 1" (2.5 cm)	A
Up to 2" (5 cm)	B
Up to 3"	C
Up to 4"	D
Up to 5"	DD

Use inch tape to measure rib cage area (under bust). In case the measured number is odd, select the closest even number. This would be referred as band size (30, 32, 34, 36, 38, 40, 42, 44, 46 etc.).

**Step 3** Now based on applicable range of Bra Size (Band, Cup Size), select suggested Medigel® Natural Touch Breast Prosthesis (NTBP) available in 12 sizes.

Bra Size (Band, Cup Size) [Applicable Range]	Breast Prosthesis Size (NTBP - 01 to 12)
30 A	NTBP - 01
32 A, 34 AA	NTBP - 02
32 B, 34 A, 36 AA	NTBP - 03
32 C, 34 B, 36 A, 38 AA	NTBP - 04
32 D, 34 C, 36 B, 38 A, 40 AA	NTBP - 05
32 DD, 34 D, 36 C, 38 B, 40 A	NTBP - 06
34 DD, 36 D, 38 C, 40 B, 42 A	NTBP - 07
38 DD, 40 D, 42 C, 44 A	NTBP - 08
38 DD, 40 D, 42 C, 44 B	NTBP - 09
40 DD, 42 D, 44 C, 46 A	NTBP - 10
42 DD, 44 D, 46 B	NTBP - 11
44 DD, 46 C	NTBP - 12

**Artificial Breast**

Breast cancer is 2<sup>nd</sup> most common diagnosed cancer in world with > 99% cases in women requiring mastectomy & other treatment(s).



## Poorn Swachh Room Sanitization Unit



Item	Size	Dimensions (inches) L*W*H
ORCS-PS	Standard	15.5" x 15.5" x 36"

- Sanitize ICUs, OTs, OPDs, Ambulances and other sections of hospitals for enhanced protection.
- Tested against nosocomial infections and priority pathogens of hospitals.

## Vayu Swachh Air Sanitization Unit



Item	Size	Dimensions (inches) L*W*H
ORCS-VS+	Standard	18" x 4" x 4"

- Seven stage air sanitization (purification + filtration + disinfection) with coverage upto 300 sqft.
- New nano filtration technology (HEPA equivalent) - cleanable and reusable.

## Anti Microbial Coat Prolonged Surface Protection



01 Liter/pack

Item	Volume	Protection Period (Single Coat)
AM+[90]	1 ltr	90 Days

- Protect against hospital pathogens (bacterial and viral), neutralizes COVID-19 & prevent biofouling
- Ideal Surface Protective Coating for providing prolonged protection to ICU Beds, Devices, Wards & multiple surfaces



In India, Health Care Associated Infections (HCAIs) prevalence rate ranges from 4.4 to 83.09% with 9.06 infections per 1000 ICU's patient days while only 1 out of 31 hospitalized patients in USA suffers from HCAIs. Ultraswachh™ sanitization devices ensure safer hospital care.

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Manufacturing Standards: All these CE marked products are manufactured at ISO 13485:2016 & ISO 9001:2015, QCI approved, WHO: GMP certified facility



A person who possesses courage and presence of mind, a hand free from perspiration, tremor less grip of sharp and good instruments and who carries his operations to the success and advantage of his patient who has entrusted his life to the surgeon. The surgeon should respect his absolute surrender and treat his patient as his own child\*.

...definition of Ideal Surgeon as described by Sushruta, the Father of Surgery, Ancient India



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\* Reference: [https://www.researchgate.net/publication/317937448\\_Sushruta\\_The\\_father\\_of\\_surgery](https://www.researchgate.net/publication/317937448_Sushruta_The_father_of_surgery)