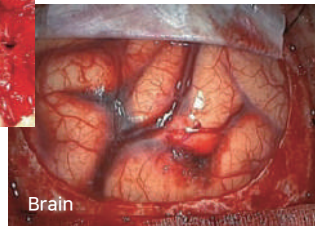
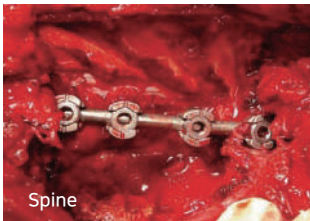


ENDOVISION Surgical patty

for protection of vessel & nerve during surgery



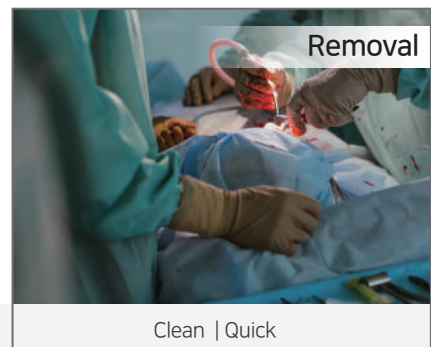
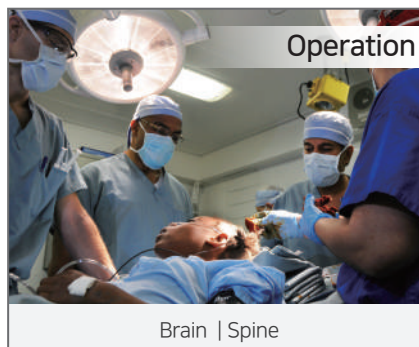
■ Indications



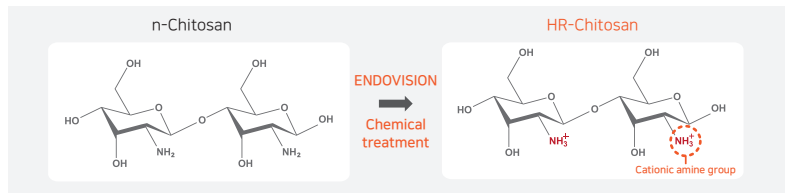
■ Benefit

- High Absorption 12 times
- Customized size, thickness and shape
- Easy Flexibility
- Minimized Particle
- Easy Removal
- Easy Suction
- Stable adhesion
- Clear view

Brand Name	Model Name	Size	Packing
DUAL PATTY V	DPV0120012B	1.25 x 1.25 cm	10 PACKS/Box
	DPV0120030B	1.25 x 3.0 cm	
	DPV0200020B	2.0 x 2.0 cm	
	DPV0200050B	2.0 x 5.0 cm	
	DPV0200075B	2.0 x 7.5 cm	



endoVISION[®] HR-Chitosan (Hydron Reinforced Chitosan)



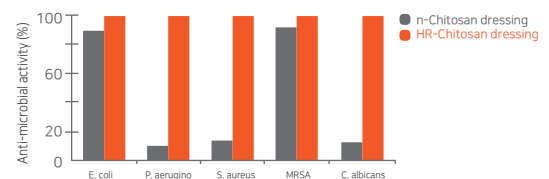
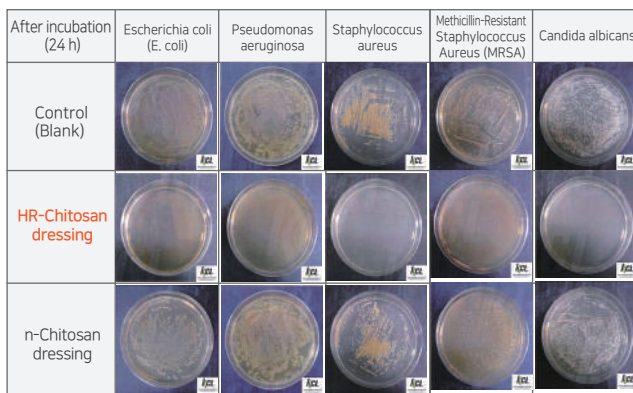
ENDOVISION'S Hemostatic wound dressing products are made of HR-Chitosan (Hydron Reinforced Chitosan) as the base material. HR-Chitosan, developed as a patented ENDOVISION's chemical treatment process, is chitosan with enhanced positive changes which can be main factors improving chitosan's functions including hemostasis, anti-microbial activity, toxic molecule adsorption, high absorption and moisturizing effect.

5 Effects of HR-chitosan



Anti-microbial

99.9% anti-bacterial activity against force in Escherichia coli / Pseudomonas aeruginosa / Staphylococcus aureus / Candida albicans / Super bacteria (MRSA)

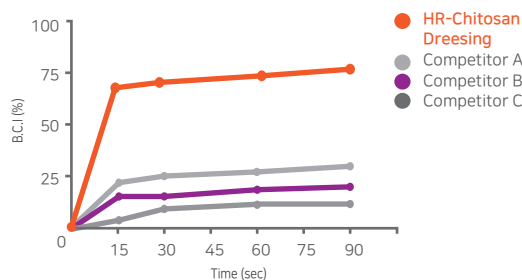


Anti-microbial activity (%)	Control	HR-Chitosan dressing	n-Chitosan dressing
Escherichia coli (E. coli)	-	99.9	88.4
Pseudomonas aeruginosa	-	99.9	8.3
Staphylococcus aureus	-	99.9	12.5
MRSA	-	99.9	11.3
Candida albicans	-	99.9	91.3



Strong Hemostatic

Rapid Bleeding Control through interaction with Positive and negative charge

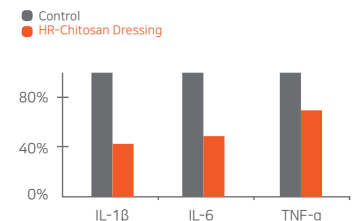
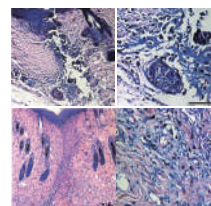


※ Blood Clotting Index (B.C.I.) = $100 - \left(\frac{OD_t}{OD_b} \times 100 \right) (\%)$
 - OD_b : Average absorbance of blank
 - OD_t : Average absorbance of sample



Anti-inflammatory

Suppresses up to 60 % or more of the expression level of inflammatory cytokines



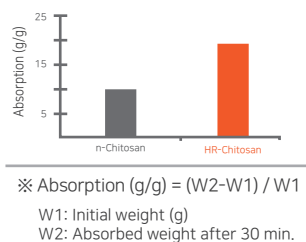
Group	IL-1β	IL-6	TNF-α
Control	1	1	1
HR-Chitosan dressing	0.365	0.432	0.663



High Absorption and Moisturizing

More than 20 times absorption and moisturizing effect than product weight

Absorption (g/g)	HR-Chitosan dressing	n-Chitosan dressing
#1	23.56	9.33
#2	20.82	10.29
#3	21.00	10.35
#4	20.03	10.45
Average	20.640	10.105



Toxic molecules adsorption

More than 99.8% of Ammonia generated by proteolysis can be deodorized

Deodorization (%)	Ammonia	Trimethyl amine
HR-Chitosan dressing	99.8	25.9
n-Chitosan dressing	45.7	8.8

