S-protector
(Surgical Wound Protector)
S-protector is an optimized surgical wound protector for Thyroidectomy
Trade mark

Timeline

- ISO13485 in Jan. 18, 2016
- GMP approval and launch in April, 2016
- CE approval is expected by Dec., 2016
- FDA approval is expected in 2017
Development Trend

Mechanical retractor

Plastic protector

Smart protector

Alexis
Applied Medical

SurgiSleeve
Covidien

S-protector
Wecan Medicare

WECAN MEDICARE (주)
Product details

Head side
Curved shape to fit to neck

Protector
(Material: Silicon)
Protect a skin edge and retract a surgical site softly

Frame
(Material: Polypropylene)

<table>
<thead>
<tr>
<th>Incision size</th>
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<tbody>
<tr>
<td>Small</td>
<td>3 ~ 4.5 cm</td>
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<tr>
<td>Medium</td>
<td>5 ~ 6.5 cm</td>
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<tr>
<td>Large</td>
<td>7 ~ 10 cm</td>
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**Strengths of S-protector**

- **Burn prevention**
  Prevent a stray energy burns caused by an energy device

- **Reduce a pressure on skin**
  Protect a skin edge and reduce a cut/wound caused by surgical device

- **Provide a flexible space**
  Retract skin softly and provide a flexible (round or oval) space for more efficient surgery

- **Improvement of prognosis**
  Reduce a pain after surgery, prevent SSI (Surgical Site Infection) and minimizes a scar on a neck
How to use S-protector

Before placement

After placement

Stretch and hook
How to use S-protector

Use-1: Insert and hook
Use-2: Hook and insert (preferred by users)
- Patent was submitted on Aug. 19, 2015 and approved on Feb. 2, 2016
- Defense patents were submitted to prevent any imitations
Timeline

- Launch and exhibition at KIMES (March 17~20, 2016)
- Participated in AsAES2016 (April 7~9, 15th Congress of Asian Endocrine Surgeons)
- 6 additional products for various surgeries will be launched in July
- CE approval is expected by Dec., 2016
- Export to EU, Japan, Asia, Latin America (Jan., 2017)
- FDA approval by late 2017
- Export to North America (Jan., 2018)

World best player in surgical wound protector market by 2020
Dr. Edwin L. Kaplan (Past President of the American Association of Endocrine Surgeons)

Dr. Edwin Kaplan is a world-respected endocrine surgeon. He is an expert in the surgical management of thyroid, parathyroid, endocrine, pancreatic, and adrenal diseases. He is the editor of two books about the thyroid and the co-author of a book on neuroendocrine tumors of the gastrointestinal tract. In addition, Dr. Kaplan has authored more than 65 book chapters, 124 research articles, and a number of other contributions to the medical literature. Dr. Kaplan currently serves as a governor of the American College of Surgeons. He is a past president of the American Association of Endocrine Surgeons, the Chicago Surgical Society, and the Metropolitan Chicago Chapter of the American College of Surgeons. Dr. Kaplan is regularly featured on local and national "best doctors" lists.

Exhibited at AsAES 2016 (April 7~9, 15th Congress of Asian Endocrine Surgeons)
Exhibited at KIMES (March 17 ~ 29, 2016)
Thank you !!!