Since its opening on December 1st, 2005, Gipum Hospital Hernia Center performed 14,028 cases of hernia surgery as of March 31st, 2018, and has conducted more than 1,000 hernia surgeries annually. This is possible because of its boastful history that has helped build the confidence given by our patients. It was Director Yoon-sik Kang of Gipum Hospital who established the first-ever professional hernia center in Korea in 2001. Since its establishment in 2001, Director Kang conducted more than 7,000 hernia surgeries as of 2004 with continuous improvement on the surgical methods of hernia. He has gone so far that he developed a new surgical method of using no artificial mesh, which comes with many side effects. This can be attributed to his focus on hernia surgery as well as his deep concerns and constant research over hernia surgery in response to the inconvenience experienced by patients.

- Hernia surgery that comes with no side effects by using no artificial mesh
- Hernia surgery that leaves a scar as small as 3 centimeters in size
- A dramatic surgical outcome that has a reoccurrence rate of less than 0.2 percent
- Hernia surgery with fewer burdens, allowing patients to leave the hospital within 3 to 4 hours after surgery

Now, Gipum Hospital is moving toward its goal of becoming the world’s best hernia center beyond its national boundary.

Operations

### Kang Yoon-sik’s No mesh Hernia Surgery

**Kang Yoon-sik’s No mesh Hernia Surgery is a new concept of adult inguinal hernia surgery.**

We have developed it since we saw many patients suffering from various after effects after having ‘artificial mesh hernia surgery.’

Some people are wondering if the reoccurrence rate may increase unless artificial mesh is used.
Reversely, however, no mesh hernia surgery has an almost zero percent reoccurrence rate according to the statistics currently available.

Kang Yoon-sik’s No mesh Hernia Repairs is a very simple and solid surgery that only stitches up internal inguinal ring after removing the hernia sac.

Though confusing from the patient’s perspective, the existing inguinal hernia surgeries, including artificial mesh hernia surgery, keep the hernia hole intact. Retroperitoneal repairs in the past is a surgical method (Laparoscopic hernia surgery) to cover the inner side of the hernia ring that leaves the inner hernia ring and pulls the separate muscles in the outer layer to stitch up to cover the outer part of inner hernia ring (Lichtenstein, Mesh plug method).

While Gipum’s no mesh hernia surgery is to mend only the hole in the fence, retroperitoneal repairs or artificial mesh hernia surgery conducted by most hospitals are building a defense line at the rear post 10 kilometers away from the front line without mending the hole in the fence.

These kinds of surgeries are less effective, their surgical range is broad and complex, they are highly likely to come with side effects, and the recovery might be slow.

Furthermore, retroperitoneal repairs and artificial mesh surgery (including incision surgery and laparoscopic surgery) had a 10 to 20 percent and 2 to 5 percent of recurrence rate, respectively.

To help you understand, here is a table that summarizes the above mentioned.

<table>
<thead>
<tr>
<th></th>
<th>Retroperitoneal repairs</th>
<th>Artificial mesh hernia surgery</th>
<th>Kang Yoon-sik’s no mesh hernia surgery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hernia hole</td>
<td>Left as it is</td>
<td>Left as it is</td>
<td>Completely mended</td>
</tr>
<tr>
<td>Defense line</td>
<td>Built</td>
<td>Built</td>
<td>Not built</td>
</tr>
<tr>
<td>Materials of defense</td>
<td>Muscles around inguinal region</td>
<td>Artificial mesh</td>
<td>-</td>
</tr>
<tr>
<td>line</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of artificial</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>mesh</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Now you can clearly see the difference between Kang Yoon-sik’s no mesh hernia surgery and retroperitoneal repairs.

You can also see the difference between Kang Yoon-sik’s no mesh hernia surgery and artificial mesh hernia surgery.

Advantages of Kang Yoon-sik’s No mesh Hernia Surgery

Kang Yoon-sik’s No mesh Hernia Surgery has many advantages over existing hernia surgeries.

① **It conducts a minimal incision limited to 3 centimeters.**
It only takes complete care of the hernia hole without inserting artificial mesh. Therefore, the surgical range is very narrow and a minimal incision within 3 centimeters is available.

② **It is a minimally invasive surgery that involves a very narrow surgical range.**
Inserting artificial mesh requires a space for the mesh, and exfoliation should be done for the wide range of the inguinal part. Kang Yoon-sik’s No mesh Hernia Surgery, however, does not need this process, minimizing the surgical range.
③ The duration of surgery is very short.
It takes about 20 minutes. There is no process of inserting artificial mesh so that the duration of surgery can be shorter. It is 10-20 minutes shorter than incision artificial mesh surgery and 30-40 minutes shorter than laparoscopic artificial mesh surgery.

④ Local anesthesia is available.
The surgical range is small and the duration of surgery is short. That is why local anesthesia is possible. Local anesthesia is advantageous for patients in many ways, compared to spinal or general anesthesia.

⑤ It is less painful after surgery.
It is least painful after the surgery since it is a simple surgery that takes a very small surgical range.

⑥ You can leave the hospital 3 to 4 hours after the surgery.
It is natural if you have a simple surgery with less pain and local anesthesia.

⑦ There is almost no reoccurrence.
It is almost free from the possibility of reoccurrence as it finds and mends the hernia hole, the major cause of hernia. Such a good surgical outcome cannot be earned by any other surgeries.

⑧ It has a low occurrence rate of chronic postsurgical pain and no other serious after effects due to artificial mesh.
It is natural that after effects are minimal since it is a minimally invasive surgery with a narrow surgical range. It also uses no artificial mesh so that any severe pain, infections or irritation due to artificial mesh can never happen and chances of rare complications due to artificial mesh such as enterobrosis or bladder perforation are also none.

Photos of operations

Outcomes of Kang Yoon-sik’s No mesh Hernia Surgery

Average duration of stay
A total of 1,354 patients had inguinal hernia surgery in 2014 at our hospital.

<table>
<thead>
<tr>
<th>Below 10</th>
<th>10s</th>
<th>20s</th>
<th>30s</th>
<th>40s</th>
<th>50s</th>
<th>60s</th>
<th>70s and above</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.06 days</td>
<td>0.5 days</td>
<td>0.3 days</td>
<td>0.4 days</td>
<td>0.3 days</td>
<td>0.4 days</td>
<td>0.3 days</td>
<td>1 day</td>
</tr>
</tbody>
</table>
**Day of resumption of work**

We tracked 180 workers who had inguinal hernia surgery in our hospital, and 61 percent of them were reported to resume working within 3 days after the surgery.

![Day of resumption of work](Statistics on the day of resumption of work (180 workers who had surgery))

**Recurrence rate**

From February 2012 to February 7, 2015, 4 out of a total 2,210 cases, or 0.2 percent, experienced reoccurrence.

![Recurrence rate](Pain survey after hernia surgery (on 319 patients who had surgery from January to June, 2014))

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**World’s Best Product, Kang Yoon-sik’s No mesh Hernia Surgery**

There are several hernia centers specializing in hernia surgery in the US and Europe.

Shouldice Hernia Center in Toronto, Canada, was established in 1945 by Dr. Shouldice, who served as a marine surgeon during the Second World War.

Shouldice Hernia Center is known as the best of many hernia centers in the world and this is because it has the so-called Shouldice surgery, which was named after Dr. Shouldice.

At a time when retroperitoneal repairs were common, which causes severe pain for a certain period after the surgery and has a particularly high recurrence rate (10 to 20 percent), Dr. Shouldice developed his own surgical method and drew public attention by reporting to have lowered the recurrence rate to below 2 to 3 percent.
Based on this historical background, the center currently conducts 7,000 cases of hernia surgery a year for patients all over the world, being the world’s best hernia center.

However, personally, I do not prefer the Shouldice surgical method.

The Shouldice surgical method is still a type of retroperitoneal repair and is very complicated to conduct. Troubles of pain still remain unresolved and patients should stay in the hospital for 3 days or longer. Above all, however, it is too invasive, which means that it may inflict damage on the related tissues during surgery.

Nevertheless, there are keys for success from the Shouldice Hernia Center.

It has its own contents such as the Shouldice surgical method.

In this regard, it is certain that Gipum Hernia Center will grow as the world’s best hernia center and can go beyond Shouldice.

Gipum Hernia Center completed Kang Yoon-sik’s No mesh Hernia Surgery, a new surgical method that can solve the problems of artificial mesh surgery as well as retroperitoneal repairs.

Surgical method cannot be patented as opposed to other common products.

Nevertheless, developing a completely new and simple surgical method with excellent surgical outcomes and no after effects is worth more than immediate economic profits and our surgical method can be described as the world’s No.1.

Kang Yoon-sik’s No mesh Hernia Surgery was internally developed and introduced by Gipum Hospital in 2013 and, in this sense, Kang Yoon-sik’s No mesh Hernia Surgery can definitely be the ‘world’s best product.’

It takes a smaller surgical range than any other surgical methods in the textbook or theses. It takes shorter (20 minutes or so), comes with no after effects unlike the current artificial mesh surgery, and has a very low recurrence rate (below 1/10 of the current recurrence rate).

Simple as it is, the recovery is also quick. 4 out of 10 patients go back to work or go abroad the day after surgery.

Development of the world’s best hernia surgical method was possible thanks to the efforts made by Gipum Hospital in its pursuit of ‘perfect surgery.’

We are the owner of far better surgical method than the Shouldice and are certain that there is no reason for us not to become the world’s best.

We sincerely appreciate your support.

Many Foreigners also Look for Kang Yoon-sik’s No mesh Hernia Surgery

We are visited by not only locals, but also many Koreans from overseas.

Many Koreans living in other countries like the US, Canada, China, Japan, Australia, New Zealand, Malaysia, Hong Kong, Singapore, Kyrgyzstan and Ecuador come a long way to have surgery here in Gipum Hospital.

In addition, many foreigners come to have surgery, too.

Their nationalities vary, ranging from China, Japan, Russia, Mongolia, Hong Kong, the US, Canada, the UK, Germany, Italy, Poland and Romania to Belarus, Uzbekistan, South Africa and Brazil.
We do not have an agency to invite foreign patients, so it is very encouraging to see foreigners from as many as 20 countries visit us to have surgery.

A language barrier definitely exists. We believe, however, those foreign patients visit us with relief because they intuitively recognize and agree to the supremacy of ‘No mesh Hernia Surgery.’

Cost of No mesh Inguinal Hernia Surgery (as of Nov 2016)

<table>
<thead>
<tr>
<th></th>
<th>Patients with Korean National Health Insurance</th>
<th>Patients without Korean National Health Insurance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>One side</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under age 70 years</td>
<td>410,000~640,000 KRW</td>
<td>3,100,000 KRW (US $ 2,700)</td>
</tr>
<tr>
<td>Age 70 years or above</td>
<td>585,000~820,000 KRW</td>
<td>3,360,000 KRW (US $ 2,850)</td>
</tr>
<tr>
<td><strong>Both sides</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under age 70 years</td>
<td>600,000~965,000 KRW</td>
<td>3,900,000 KRW (US $ 3,350)</td>
</tr>
<tr>
<td>Age 70 years or above</td>
<td>775,000~1,140,000 KRW</td>
<td>4,160,000 KRW (US $ 3,520)</td>
</tr>
</tbody>
</table>

- Including examinations prior to surgery
- 1 USD = 1,183 KRW
- There may be charge variation.

From appointment to discharge from the hospital

Reservation in advance (Call or E-mail) → Visit hospital → Reception → Treatment → Examination prior to surgery → Hospitalization process → Surgery → Recovery from the ward → Ward round → Leaving the hospital

How to make an appointment? Please call us at 82-2-570-1234 to make an appointment between 9:00 a.m. to 8:00 p.m. Our staff will be happy to answer any questions you may have. Or you may make an appointment E-mail. (100015@gipumhospital.com)