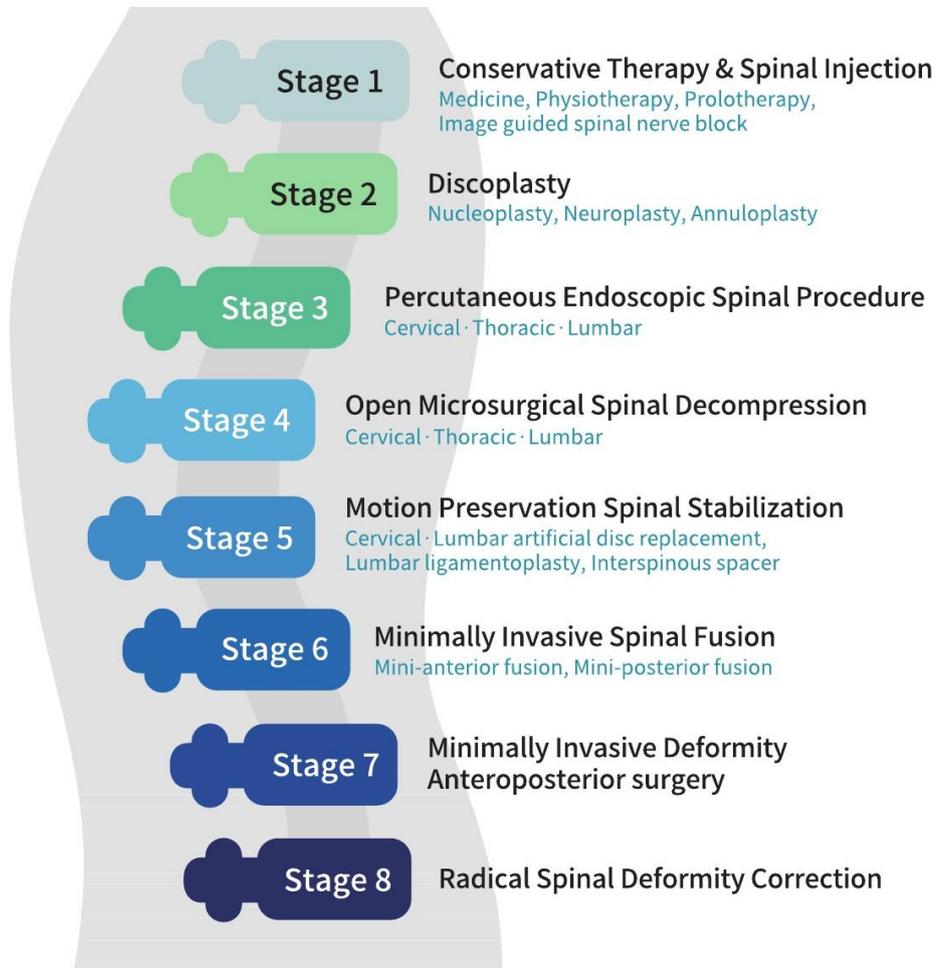




WOORIDUL

WOORIDUL's Treatment for Spinal Diseases



<p>Recommended Tests</p>	<ol style="list-style-type: none"> 1. Complete physical and neurological examination. 2. Spinal imaging workup: MRI, CT, X-rays 3. Further studies for any underlying disease if necessary
<p>Conservative Treatment</p>	<p>Medication, Physical therapy, CT(C-arm) guided spinal epidural injection, etc.</p> <div style="display: flex; justify-content: space-around;">    </div>

Endoscopic Decompression

1. Method: Under local anesthesia the doctor inserts a thin tube into the disc through posterolateral approach. With the 0.6cm (diameter) of endoscopic view, only herniated disc will be removed by forceps or lasers. Normal structures will be preserved. The procedure time is about 1 hour.

○ Advantage

- No bleeding or scar, no pain
- No concern of adhesion as ligament or nerve are not touched during the procedure
- With minimally invasive technique, normal disc is preserved as much as possible
- The procedure is done under local anesthesia so elderly or diabetic patients can tolerate the treatment
- The patient can be discharged on the day of treatment (maximum 3 days), which leads to save time and cost
- Early returning to daily life is expected

2. Operation time: 1 hour (The operation time can be changed upon the surgical range.)

3. Anesthesia: Local

4. Hospitalization: 1-3 days

Pre-operative



Post-operative



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

Open Microdiscectomy

1. Method: Under surgical microscopic view, the doctor removes herniated disc using advanced equipment like laser or high frequency through 2cm of incision. The procedure time is less than 1 hour.

○ Advantage

- Less complication as normal vertebral body, disc and nerve are not touched during the procedure
- Normal disc is preserved as much as possible and good results are expected after the procedure
- The procedure time is relatively shorter and elderly patients can tolerate the treatment
- Less concern of bleeding and scar as it only needs minimal skin incision
- Less pain after the procedure
- Shorter hospitalization (about 2-5 days) and early returning to daily life is expected

2. Operation time: About 1-2 hours (The operation time can be changed upon the surgical range.)

3. Anesthesia: General

4. Hospitalization: 2~5 days

Pre-operative



Post-operative



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

Ligament Reconstruction

1. Method: Under surgical microscopic view, the doctor removes thickened ligament, broadens spinal canal and ties up spinous processes with special ligament for reconstruction. The nerve can be decompressed without bone removal. The procedure time is about 1-2 hours.

○ Advantage

- Less complication as normal vertebral body, disc and nerve are not touched during the procedure
- Normal disc is preserved as much as possible and good results are expected after the procedure
- The procedure time is relatively shorter and elderly patients can tolerate the treatment
- Less concern of bleeding and scar as it only needs minimal skin incision
- Less pain after the procedure
- Shorter hospitalization (about 2-5 days) and early returning to daily life is expected

2. Operation time: 1-2 hours (The operation time can be changed upon the surgical range.)

3. Anesthesia: General

4. Hospitalization: 2~5 days

Pre-operative



Post-operative



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

**Anterior
Lumbar
Interbody
Fusion**

1. Method: Without damage of normal tissue of back including nerve, ligament, muscle and bone of spine, the doctor performs spinal fusion from in front of stomach through 3-5cm of small incision. Then the patient's posture is turned over and screws simply pierce without muscle incision.

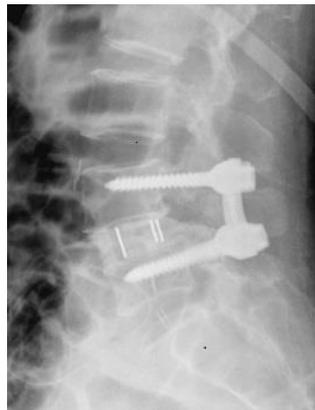
○ Advantage

- When spinal fusion is done through anterior approach, a relatively larger cage can be inserted and affect the positive outcome
- No blood transfusion as the incision is minimized and makes less bleeding
- Less pain and complication after the procedure
- Screws can be inserted safely without muscle incision
- Shorter hospitalization (about 5-10days)

2. Operation time: About 4~5 hours (The operation time can be changed upon the surgical range.)

3. Anesthesia: General

4. Hospitalization: 5-10 days



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

**Posterior
Cervical
Foraminotomy**

1. Method: Under general anesthesia, the doctor makes a small incision and removes a small amount of cervical spine bone to wide foramen where the spinal nerve root is going through. Herniated disc is also removed carefully for decompression. The procedure time is about 1-2 hours.

○ Advantage

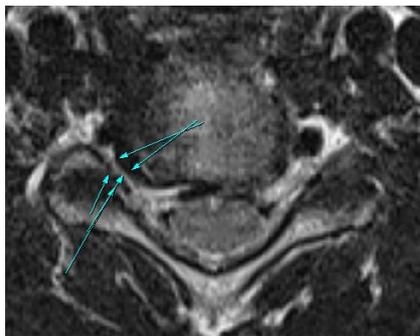
- Less complication as normal disc and nerve are not touched during the procedure
- Normal disc is preserved as much as possible and good results are expected after the procedure
- The procedure time is relatively shorter and elderly patients can tolerate the treatment
- Less concern of bleeding and scar as it only needs minimal skin incision
- Less pain after the procedure
- Shorter hospitalization (about 2-5 days) and early returning to daily life is expected

2. Operation time: About 1~2 hours (The operation time can be changed upon the surgical range.)

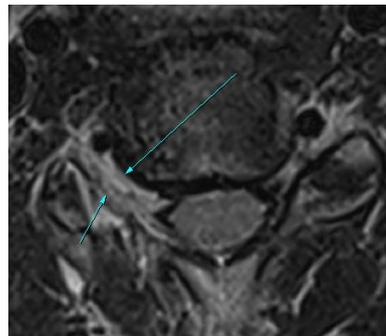
3. Anesthesia: General

4. Hospitalization: 2-5 days

Pre-operative



Post-operative



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

Artificial Disc Replacement

1. Method: Under general anesthesia, the doctor opens surgical area by anterior incision and removes the whole disc and osteophyte which pressing nerve, and puts artificial disc. The procedure time is about 2-3 hours.

○ Advantage

- Maintain spinal movement
- Less complication
- Almost no recurrence
- Short hospitalization, fast return to daily life
- No need to wear neck brace for long time
- Small incision

2. Operation time: About 2~3 hours (The operation time can be changed upon the surgical range.)

3. Anesthesia: General

4. Hospitalization: 3-5 days

Pre-operative



Post-operative



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

**Anterior
Cervical
Discectomy and
Fusion**

1. Method: Under general anesthesia, the doctor makes a small incision about 5cm long on the front of neck along wrinkles and removes the disc fragment that compresses nerve. An artificial bone is inserted carefully for fusion. The procedure time is about 2-3 hours.

○ Advantage

- No blood transfusion as the incision is minimized and makes less bleeding
- Less pain and complication after the procedure
- Shorter hospitalization (about 5-10days)

2. Operation time: About 2~3 hours (The operation time can be changed upon the surgical range.)

3. Anesthesia: General

4. Hospitalization: 5-10 days

Pre-operative



Post-operative



▲ Performed at Wooridul

*Procedure could be [changed after exams](#) at Wooridul Spine Hospital.

<p style="text-align: center;">Spinal Deformity Correction</p>	<p><u>1. Method:</u> The patients with scoliosis or kyphosis might need spinal deformity correction. The doctor makes a long incision along the surgical range on the middle of back and corrects the curve speedily and rightly. Depending on severity of deformity spinal osteotomy or staged surgery would be required.</p> <p><u>2. Operation time:</u> About 5~6 hours (The operation time can be changed upon the surgical range.)</p> <p><u>3. Anesthesia:</u> General</p> <p><u>4. Hospitalization:</u> 10~14 days</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Pre-operative</p>  </div> <div style="text-align: center;"> <p>Post-operative</p>  </div> </div> <p style="text-align: center;">▲ Performed at Wooridul</p> <p>*Procedure could be changed after exams at Wooridul Spine Hospital.</p>
<p style="text-align: center;">Terms and Condition</p>	<p><i>* This information is for rough planning purposes to assist the patient in understanding the possible procedure. Actual cost estimation for treatment cannot be accurately provided until the patient has been thoroughly investigated and evaluated by our physician.</i></p> <p><i>* Final estimation could not be accurately provided until clinical assessment. Cost varies on the severity of the case, medicines and medical supplies used. Charges to other procedures or tests that the doctor may order will apply.</i></p>

Spine Treatment for over 40 Years Know-How



A Spine Hospital Where Global Doctors Come to Learn

Implement society and long/short term study program for more than 847 spine specialists from 47 countries



Since 1982

Global Leader in Spine Health Care

Since 1982

Global Leader in Spine Health Care

Listed in Top 10 World's Best Hospital

MTQUA World's Best Hospitals For Medical Tourist™



WOORIDUL Selected 4 Successive Times for Top 10 Hospitals of the World for Medical Tourists

Service for International Patients

- Medical consultation on online/offline
- Service for visa issuing
- Airport pickup sending service
- Reservation
- Interpretation/information service
- Booking accommodations
- Counseling service for medical
- Charge service for global insurance
- Tourist information provide service

Since 1982

Global Leader in Spine Health Care

Since 1982

Global Leader in Spine Health Care

An Unparalleled Research Results in a Single Therapy

over 370 SCI Journals
245 Chapters (35 Text Books)
-1982.5~2022.1



International Insurances for Direct Billing



Since 1982

Global Leader in Spine Health Care

Since 1982

Global Leader in Spine Health Care