

Wooridul Hospital is globally recognized for its specialized spine and joint treatments that give patients hope and a better quality of life



Wooridul Hospital has focused on spinal treatment for the last 35 years after it was first established in Busan in 1982 and joint center was opened in 2007. We have grown as a hospital that captures the world's attention and meets expectations.

Wooridul Hospital currently manages 10 hospitals which are located in Seoul (3), Busan(2), Daegu(1), Pohang(1), Gwangju(2) and Jeonju(1) in Korea, also 2 overseas network hospitals in Abu Dhabi and Dubai.

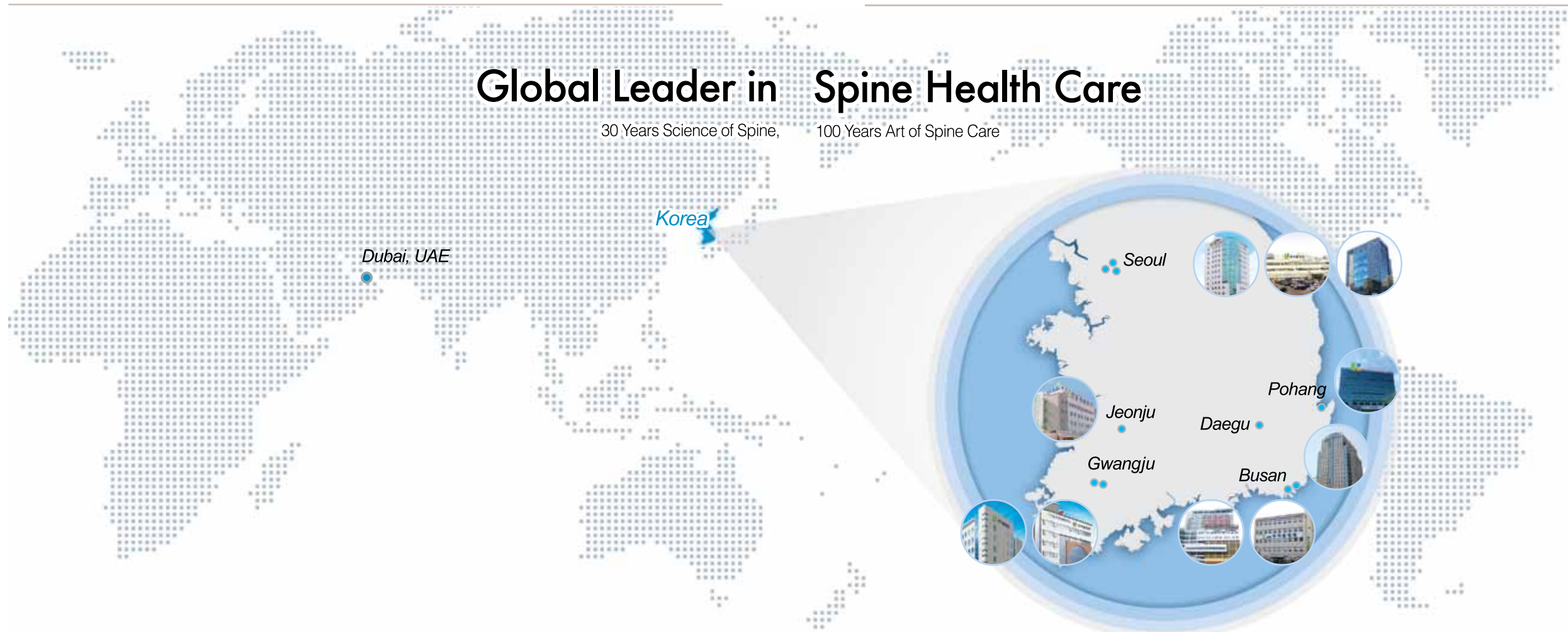
Based on our "Patient First" philosophy, Wooridul Hospital has investigated and developed an advanced spinal surgical technique, the Minimally Invasive Spine Surgery(MISS), that preserves as much of the normal disc tissues as possible and meets patients' expectations for mini-mal scarring and fast recovery with reduced complications.

These results were achieved by the integrated cooperation of a multi-disciplinary team including: neurosurgeons, orthopedic surgeons, internal medicine physicians, rehabilitation physicians, and thoracic and general surgeons. This integrated team, in addition to over 1,200 employees of Wooridul Hospital, has contributed to the health and welfare of patients around the world.

# Global Leader in Spine Health Care

30 Years Science of Spine,

100 Years Art of Spine Care



## Selected as one of the Top 10 World's Best International Hospitals for Medical Tourism for four consecutive years

**2005** Received the 1st Prize award for "Human Resource Development Project" at the Asian Hospital Management Awards.

**2006** The Ministry of Health and Welfare announced that Wooridul Hospital had the lowest antibiotic prescription rate.

**2007** Achieved 'all A's' in the Medical Institution Evaluation by the Ministry of Health and Welfare and was selected as the Best Hospital.

**2008** Wooridul Hospital was selected as one of the "Best International Hospitals in the World" by the U.S. Medical Tourism Association (MTA).

**2009** Wooridul Hospital's English website received the "Medical Tourism Transparency Award" by Health-tourism.com, the U.S. medical tourism evaluator.



**2010** Selected as the "Top 10 World's Best Hospitals for Medical Tourists" by the U.S. Medical Travel Quality Alliance (MTQUA).

Acquired A's for all 11 criteria of the Medical Institution Evaluation by the Ministry of Health and Welfare for four consecutive years.

Wooridul Hospital achieved a certificate of accreditation from the "JCI (Joint Commission International)" as the first specialized hospital in Korea.

**2011** The Ministry of Health and Welfare selected Wooridul Hospital as a "Spine Specialist Hospital".

**2012** Selected as the 'Top 10 World's Best Hospitals for Medical Tourists' by the U.S. Medical Travel Quality Alliance (MTQUA).

The Excellence Award of 'Marketing and Promotional Project' was received at the Asian Hospital Management Awards.



**2013-2014** Selected as the Top 10 World's Best Hospitals for Medical Tourists' by the U.S. Medical Travel Quality Alliance (MTQUA).



Acquired a certificate of Korean Hospital Accreditation from the Ministry of Health and Welfare

**2015** Dr. Sang-Ho Lee, Chairman of Wooridul Hospital received the Parviz Kambin Award for his contribution to the development of endoscopic spinal surgery.

**2016** Selected as the 'Top 30 Most Technologically Advanced Hospital' by Top Master's in Healthcare Administration(MHA) (1. El Camino Hospital, 3. Johns Hopkins Hospital, ... 30. University of Missouri Health System: University Hospital)





## New York Times • CNN • Tokyo TV and other broadcasts

### Focused broadcasting for advanced medical techniques and services offered by Wooridul Hospital

#### CNN

November 11th, 2010  
"Wooridul Hospital is trying to become the spinal destination of choice for foreign patients."



#### The New York Times

November 16th, 2008  
In the article "South Korea Joins Lucrative Practice of Inviting Medical Tourists to Its Hospitals," Wooridul Hospital was an example for the excellence of Korea's medical tourism.

#### Tokyo TV

March 18th, 2013  
Focused on comparing the medical industrial policy between Korea and Japan and highlighted the excellence of Korea's medical tourism by using Wooridul Hospital as an example.



#### Russia TV

March 5th, 2011  
Introduced how Wooridul Hospital selectively removes the ruptured disc while preserving as much of the surrounding healthy tissues as possible.



## Wooridul, we step forward by interacting with our patients

The world is quickly changing and medical technology continues to develop, yet we always have a warm place in our hearts for our patients. Wooridul not only treats patients with high caliber medical techniques but also excels in the human aspect of care.



#### Eden Shoemaker (33) from California, USA

I came to Wooridul Hospital to have surgery on my lumbar spine. I had an endoscopic procedure which is a minimally invasive procedure. When I arrived, my body was completely crooked and I had a lot of pain in my legs and lower back. I couldn't walk or sit very well. The hardest part was getting to South Korea while being injured. Apart from the travel, right now, 2 days after the surgery, I have no pain in my legs or lower back. I will definitely recommend this hospital to other people who are in a similar situation of a lot of pain for an extended period of time. I can't believe how fast and effective the treatment was. I would like to sincerely thank my coordinator and everybody else here at the hospital for giving me good care while I was here. Thank you.

#### Ion Patrascu (55) from Ontario, Canada

I had 3 levels of complex surgery performed on my neck. The surgery was a complete success. It was called posterior foraminotomy which relieved the pressure on my nerve and cleaned the disc. Wooridul Hospital is specialized in treating all kinds of spine disorders. All the surgeons at Wooridul are very skilled. Once admitted, you will go through a set of examinations right away and you will receive treatment the very next day. That's how quick things move here. The staff is awesome. They are kind, warm, and very responsible. They also have English, Japanese and Russian translators. My heart goes out to all of these people that went out of their way to give me the best comfort and care. The facility has really clean conditions and the furnishings in the room are very nice. If you suffer from a spinal disease and do not have an answer or have been waiting too long to have the procedure performed, Wooridul might be the solution. If Wooridul does not fix you, look no further. Wooridul shines, like a diamond, among other hospitals around the world. Give them a call because the consultation is free! The operation itself will be very affordable, compared to your own country, and performed in a timely matter. Two thumbs up for Wooridul!

## Wooridul Hospital is always developing cutting edge technology while maintaining the principle of minimal invasive treatment

### ■ Non-incision spinal disc treatment

- Percutaneous Endoscopic laser-assisted Lumbar Discectomy (PELD)
- Percutaneous Endoscopic laser-assisted Cervical Discectomy (PECD)
- Percutaneous Endoscopic Laser Annuloplasty (PELA)
- Percutaneous Endoscopic Cervical disc Annuloplasty (PECA)
- Percutaneous Endoscopic Throacic Discoplasty (PETD)
- CT-Image Guided Spinal Micro-Therapy
- X-MR Guided Disc Therapy

### ■ Minimally Invasive Spine Surgery(MISS)

- Open Laser Discectomy (OLD) / Open Laser Lumbar Microdiscectomy (OLM)
- Automated Open Lumbar Discectomy (AOLD)
- Interspinous Locker Fixation (ILF) with Ligamentoplasty (ILF)
- Total Disc Replacement (TDR)
- Minimally Invasive Lumbar Interbody Fusion with Percutaneous Facet Screw Fixation or Percutaneous Pedicle Screw Fixation (Mini ALIF with PFF, PPF)
- Thoracoscopic Spinal Surgery (TOSS)
- Laparoscopic Spinal Surgery (LASS)
- Retroperitoneal Endoscopic Spine Surgery (RESS)



## Orthopaedics Team, cutting edge technology for your joint

- Computer Assisted Navigation Artificial Knee Joint Surgery
- Computer Assisted Navigation Partial Knee Joint Surgery
- Arthroscopic Shoulder Ligament Suture Surgery
- Computer Assisted Navigation Hip Replacement Surgery
- Hallux Valgus Surgery
- Stem Cell Technology



## Phased and comprehensive spine treatment, we perform minimally invasive treatment that preserves normal disc tissues

Wooridul hospital is trying its best to give patients a better quality of life by performing minimally invasive spine surgery that preserves as much of the normal tissues as possible. Thus, leading to a fast recovery to normal life, preventing complications, and minimizing the after effects of surgery.

## Conservative Treatment

- Medication
- Nerve Block Injection, CT guided Ultrasound-guided Injection
- Physical Therapy : Manual Therapy, Infrared Ray Therapy, Interferential Current Therapy, Cryo therapy, Sling, Cycle, Ultrasound Therapy, Transcutaneous Electrical Nerve Stimulation, Extracorporeal Shock Wave Therapy, Centaur, Traction.





We always consider the **non-surgical treatment method first**

Through the 5 evidences for accurate diagnosis and treatment, Wooridul Hospital initially considers non-surgical spinal disc treatment for patients who do not need an operation. Also, we provide a systematic rehabilitation program to the patients to prevent a recurrence and to help them return to their daily lives.

■ Five Evidences for Accurate Diagnosis and Treatment

	Success rate
<b>1st Step</b> <b>Diagnosis and X-ray exam</b>	50%
<b>2nd Step</b> <b>MRI exam</b> Soft tissue, disc, nerve	60%
<b>3rd Step</b> <b>CT exam</b> Vertebra, ligament calcification, spinal joint	70%
<b>4th Step</b> <b>Myelogram MR exam</b> Neurography	80%
<b>5th Step</b> <b>Spinal nerve function exam</b> DITI(Digital Infrared Thermal Imaging) Provocation Discography EMG(Electromyography), Medex, Centaur Test 3-Dimensional motion Analysis Spinal Mouse	over 90%

■ 8 stages of Spinal Treatments

<b>Stage 1</b>	<b>Conservative Therapy &amp; Spinal Injection</b> Medicine, Physiotherapy, Prolotherapy, Image guided spinal nerve block
<b>Stage 2</b>	<b>Discoplasty</b> Nucleoplasty, Neuroplasty, Annuloplasty
<b>Stage 3</b>	<b>Percutaneous Endoscopic Spinal Procedure</b> Cervical · Thoracic · Lumbar
<b>Stage 4</b>	<b>Open Microsurgical Spinal Decompression</b> Cervical · Thoracic · Lumbar
<b>Stage 5</b>	<b>Motion Preservation Spinal Stabilization</b> Cervical · Lumbar artificial disc replacement, Lumbar ligamentoplasty, Interspinous spacer
<b>Stage 6</b>	<b>Minimally Invasive Spinal Fusion</b> Mini-anterior fusion, Mini-posterior fusion
<b>Stage 7</b>	<b>Minimally Invasive Deformity Anteroposterior surgery</b>
<b>Stage 8</b>	<b>Radical Spinal Deformity Correction</b>



Patients will be treated and restored to normal condition by therapeutic exercise, physical therapy, medication, endoscopic treatment, as well as with various non-surgical treatments using high-tech imaging equipments.

313 SCI Journals • 78 Chapters in 23 Textbooks  
**Unrivalled record of achievement in research**

■ List of Publication

Year	SCI(E)	Other International Academic Journal	Koreamed	Other National Academic Journal	Textbook	JCSC	TOTA
1982.5 ~ 2017.6	313	74	92	54	78(23권TB)	166	777



Wooridul Hospital, **leading world spine societies**

Wooridul Hospital is accelerating in improving spine treatment and developing new technology by continuing its academic exchange with medical professionals of advanced countries.

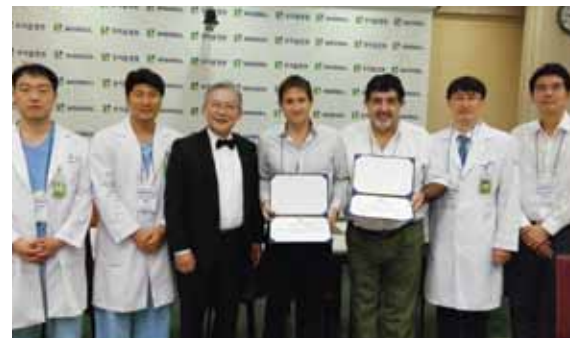
■ Academic activities

Year	International Conferences			National Conferences		
	Guest lecture appearances	Narrations	Poster presentations	Guest lecture appearances	Narrations	Poster presentation
1982.5 ~ 2017.6	290	268	284	179	411	473



## 490 spine surgeons from 47 countries have learned medical practices from Korea

Wooridul Hospital has offered the MISS Course, Minimally Invasive Spine Surgery course, since 2000 and a one-year Fellowship Course since 2003, in order to teach up-to-date treatment methods to spine surgeons all over the world. Currently, 490 spine surgeons from 47 countries have learned medical practices from Korea; and those who completed the training programs actively serve patients in their countries and refer patients who need delicate operations to Wooridul Hospital.



### \* Status of Mystagogy

2000	Established International MISS Course (Minimally Invasive Spine Surgery Course)	Medicine and Surgery)
2001	Selected as an international training center of IM AS (International Musculoskeletal aser Society)	Selected as an international training center by ISMISS (International Society for Minimal Intervention in Spinal Surgery)
	Selected as the Korean branch and an international training center of AAMISMS (American Academy of Minimally Invasive Spinal	2002 Selected as an international training center and Korean branch of RCSP
		2003 Established Fellowship course for foreign doctors



## Over 12,000 foreign patients visited Wooridul Hospital

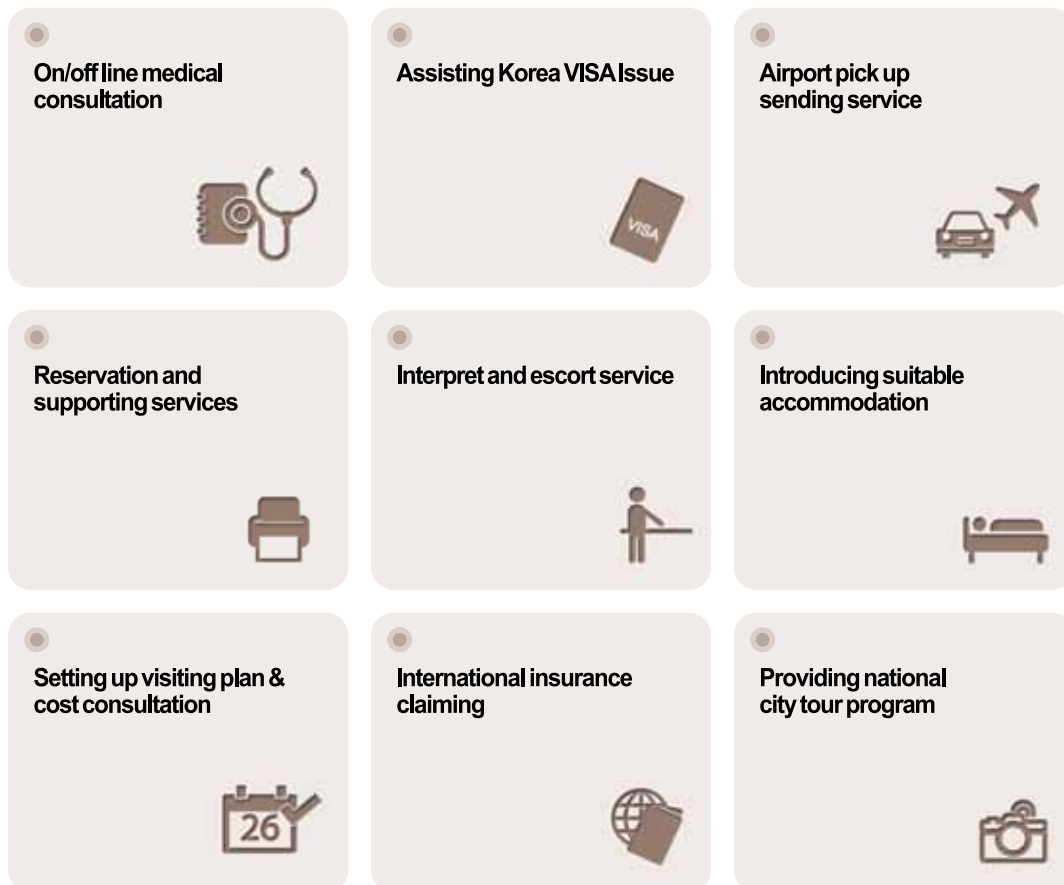
Wooridul Hospital, as a global spine medical hub, is spreading the hope of a cure to patients suffering from spinal disc problems.

### International Patients from Top 10 countries (2006~2016)

Country	Number of Patients
China	3,481
U.S.A	2,522
Russia	1,677
Japan	641
Canada	554
Mongolia	444
Kazakhstan	417
UAE	377
Vietnam	176
Australia	157
Other	2,129
Total	12,575



## Ancillary Services for International Patients



We currently have contracts with  
20 medical insurance companies

