



VERTEBRIS cervical

VERTEBRIS thoracic

VERTEBRIS lumbar
VERTEBRIS stenosis

VERTEBRIS denervation



VERTEBRIS

Full-endoscopic solutions for disc herniations, spinal canal stenosis, sacroiliac and facet joint syndrome

we perform
innovation



Intensive Course

56th International Training Course of
Endoscopic Operation of the L,T,C Spine
January 31st – 3rd, 2024

COURSE DIRECTORS

Dr. Verapan Kuansongtham
Priv.-Doz. Dr. med. habil. Sebastian Ruetten
Dr. med. Martin Komp

ORGANIZERS

- Bumrungrad Spine Institute, Bumrungrad International Hospital, Bangkok, Thailand
- Center for Spine Surgery and Pain Therapy
Center for Orthopedics and Traumatology of the
St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr,
St. Anna Hospital Herne/Marien Hospital Herne University
Hospital/Marien Hospital Witten, Germany
- Minimally Invasive Spine Surgery Club of Thailand



Invitation

Dear colleagues,

Cervical and lumbar disc herniation is a common problem requiring discectomy. In general, open spinal discectomy is associated with muscle and ligamentum flavum dissection which can cause scarring and long-term side effects. In order to make cervical and lumbar disc surgery minimally invasive, Priv.-Doz. Dr. med. habil. Sebastian Ruetten has developed a Richard Wolf endoscope for both cervical and lumbar discectomy. His operative techniques significantly reduce the risks of these potential complications.

The endoscopic cervical and lumbar discectomy is another step advance from cervical and lumbar microdiscectomy that is performed with the use of the operating microscope. The surgical visualization by an endoscope is better than with the operating microscope. Because an endoscope can enter into surgical anatomy and has a capability to look around with 25-degree lens unlike the operating microscope that views the surgical site from a distance, endoscopic discectomy requires a smaller incision and less tissue dissection than microscopic discectomy. Obviously, this minimally invasive, less traumatic, endoscopic cervical and lumbar discectomy leads to excellent results, faster recovery, and significant economic saving, which is extremely gratifying for both the patient and the surgeon.

This time we include more advanced lecture and workshop table for recess decompression surgery with the new scope. We have accomplished this technique for a couple of years with good results.

We will devote ourselves to further development in the field of minimally invasive spine surgery. In this situation, we are very grateful for your participation. We hope that this training course will offer great opportunities for neurosurgeons and orthopedic surgeons to communicate, exchange experiences and upgrade their expertise which would eventually lead to further development and innovation in this field.

Thank you very much.

Dr. Verapan Kuansongtham

Director of Bumrungrad Spine Institute
Chairperson of Department of Spine
Chief Medical Officer of Bumrungrad Spine Network Co., Ltd.
Bumrungrad International Hospital
Division of Neurosurgery
Department of Surgery
Faculty of Medicine, Ramathibodi Hospital, Mahidol University.

Priv.-Doz. Dr. med. habil. Sebastian Ruetten

Head of the Center for Spine Surgery and Pain Therapy
Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals
Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien
Hospital Witten, Germany

Message from Chief Medical Officer of Bumrungrad International Hospital

Dear colleagues,

At Bumrungrad, we strive for professional excellence and innovation in all we do. We participate actively in the advancement of medicine practice through research and education. For Spine Surgery, in June 2011 the Bumrungrad Spine Institute has been established at our hospital. In addition, we launched the Asian Full Endospine Training Center in collaboration with St. Anna Hospital Herne and Richard Wolf GmbH at Bumrungrad. This evidenced the recognition of the capabilities and experience of our spine surgeons in advance endoscopic techniques pioneered in Germany.

As you may already be aware, Priv.-Doz. Dr. med. habil. Sebastian Ruetten is a world pioneer who invented a special technique for using an endoscope to operate patients with herniated discs and stenosis. In 2008, Dr. Ruetten and Dr. Kuansongtham decided to become partners in training doctors around the world for the full-endoscopic spine and cervical surgery. Each year, they will jointly organize a symposium for full-endoscopic surgery of the lumbar and cervical spine twice a year in Germany (March and September), and once a year in Thailand (around January).

Since Thailand is the only training center in Asia, each time we received participants from many countries in this region like Hong Kong, Malaysia, Korea and India. We trust that you will find our symposium even more interesting forum for exchange of knowledge and experiences among doctors with diverse background.

Assoc. Prof. Dr. Taveesin Tanprayoon

Chief Medical Officer

Bumrungrad International Hospital

Wednesday, January 31st, 2023

Cadaveric- Workshop: at Siriraj Orthopaedic Learning Center, Siriraj Hospital

From

09:00-09:30 h **Welcome and introduction**

V. Kuansongtham

Cadaver Workshop - Part I:

09:30-09:45 h **Repetition access techniques – Full-endoscopic foraminal approach of the lumbar spine**

W. Kesornsak, V. Kuansongtham, S. Ruetten, M. Komp

09:45-10:15 h **Demonstration of foraminal access**

V. Kuansongtham, W. Kesornsak, S. Ruetten, M. Komp

10:15-12:45 h **Practical exercises for participants**

Module 1: Lumbar spine : Full-endoscopic foraminal operation

Module 2: Lumbar spine: interlaminar operation

Instructors:

S. Ruetten, M. Komp, V. Kuansongtham, T. Wattanawong, I. Komonhirun, M. Ruangchainikom, W. Kesornsak, P. Predeeprompan, K. Wasinpongwanich, P. Kasempipatchai, P. Wangsawatwong, V. Kotheeranurak, Y. Laungwitthajaroen, T. Tanasansomboon, P. Tirawanish, D. Goethel

12:45 h-13:45 h **Lunch**

Cadaver Workshop - Part II:

13:45-14:00 h **Repetition access techniques – Full-endoscopic interlaminar approach of the lumbar spine**

W. Kesornsak, V. Kuansongtham, S. Ruetten

14:00-14:30 h **Demonstration of interlaminar access**

V. Kuansongtham, W. Kesornsak, S. Ruetten

14:30-16:45h **Practical exercises for participants**

Module 1: Lumbar spine : Full-endoscopic interlaminar operation bone drilling on demand

Module 2: Lumbar spine: interlaminar operation

Instructors:

S. Ruetten, M. Komp, V. Kuansongtham, T. Wattanawong, I. Komonhirun, M. Ruangchainikom, W. Kesornsak, P. Predeeprompan, K. Wasinpongwanich, P. Kasempipatchai, P. Wangsawatwong, V. Kotheeranurak, Y. Laungwitthajaroen, T. Tanasansomboon, P. Tirawanish, D. Goethel

16:45 h

Closing

V. Kuansongtham

Thursday, February 1st, 2023

6th MISSCOT Annual Meeting: at Chatrium Grand, Bangkok, Thailand

08:00-08:20 h **Registration**

08:20-08:30 h **Opening Ceremony and welcome speech**

Dr. Areesak

From MISSCOT to MISSAT

Dr. Verapan

Plenary session

Moderators: *Dr. Areesak, Dr. Ake, Dr. Akkapong*

08:30-08:45 h **How to shorten the learning curve and avoid complications in MIS surgery** *Dr. Verapan*

08:45-09:00 h **MIS in Spinal Trauma: An update** *Dr. Wattana*

09:00-09:15 h **Evidence-based and experience in MIS for thoracolumbar fractures** *Dr. Chumpon*

09:15-09:30 h **MIS in spinal metastases: A new paradigm shift in the surgical management** *Dr. Panya*

09:30-09:45 h **MIS in intradural tumours: What is possible now?** *Dr. Prachya*

09:45-10:00 h **Muscle preservation for long segment intradural surgery** *Dr. Luckchai*

10:00-10:30 h **Coffee break**

Spinal intervention and restorative surgery

Moderators: *Dr. Krishnapundha, Dr. Thanet, Dr. Rattalerk*

10:30-10:45 h **Cervical transforaminal and interlaminar epidural injections. Technique, efficacy and safety** *Dr. Patt*

10:45-11:00 h **Radiofrequency neurotomy for neuropathic pain** *Dr. Nuj*

11:00-11:15 h **Advances in spinal cord stimulation: Indications and techniques** *Dr. Nanthasorn*

11:15-11:30 h **Restorative surgery for spinal cord injury : A life changing surgery** *Dr. Bunpoth*

11:30-11:45 h **SI Block for low back pain: indications and effectiveness** *Dr. Varisa*

11:45-12:00 h **Balloon Kyphoplasty: Guideline updates and techniques** *Dr. Anuchit*

12:00-12:15 h **Navigation assisted spine surgery: Pearls and pitfalls** *Dr. Weerasak*

12:15-12:30 h **Spinal surgery in hybrid operating room: its practicality** *Dr. Krishnapundha*

12:30-13:30 h

Lunch symposium Mirogabalin:

The New Gabapentinoid in Neuropathic Pain Treatment

Endoscopic spine surgery

Moderators: *Dr. Wicharn, Dr. Atthaporn, Dr. Roongrath*

13:30-13:45 h

Uniportal endoscopic spinal surgery for severe lumbar stenosis:

Tips and Tricks *Dr. Kriangsak*

13:45-14:00 h

Biportal endoscopic spine surgery for lumbar stenosis *Dr. Thanit*

14:00-14:15 h

Endoscopic cervical disc surgery and foraminotomy *Dr. Withawin*

14:15-14:30 h

Biportal Endoscopic TLIF. Techniques and clinical outcome *Dr. Rattalerk*

14:30-14:45 h

Full endoscopic TLIF *Dr. Abhirat*

14:45-15:00 h

Full Endoscopic spinal surgery for spinal metastases *Dr. Siravich*

15:00-15:30 h

Coffee break

MIS fusion surgery

Moderators: *Dr. Sumroeng, Dr. Kullapat, Dr. Peerapong*

15:30-15:45 h

MIS CAPT (Minimally Invasive Screws Cement Augmentation in Pedicle Technique) An innovation technique in spine surgery *Dr. Tayard*

15:45-16:00 h

MIS fusion for degenerative conditions *Dr. Wicharn*

16:00-16:15 h

MAS TLIF techniques: Benefits and Pitfalls *Dr. Nattawut*

16:15-16:30 h

Single position OLIF with intraoperative MRI *Dr. Piyanat*

16:30-16:45 h

MIS in deformity surgery: Indications and techniques? *Dr. Monchai*

16:45-17:00 h

Achieving Lumbar Lordosis in MISS: Tips and Tricks *Dr. Worawat*

17:00-17:15 h

Advances in growing rods in paediatric scoliosis: indications and techniques
Dr. Athikom

Friday, February 2nd, 2023
Global Spine Endoscopic Day: at Chatrium Grand, Bangkok, Thailand

| | | | |
|---------------------------------|---|------------------------|---|
| From 08:00 h | Registration | 12.00-13.00 h | Lunch |
| 08:30-09:00 h | Welcome and introduction <i>A. Charukitpipat, V. Kuansongtham, S. Ruetten, M. Komp, D. Goethel</i> | 13:00-13:15 h | Group Photo |
| | | 13:15-13:45 h | Case presentation <i>P. Kasempipatchai, K. Ono, P. Lokhande, T. Tanasansomboon, P. Wangsawatwong, P. Tirawanish</i> |
| Lumbar / Thoracic Spine: | | | |
| 09:00-09:30 h | The foraminal full-endoscopic approach in disc herniations - Technique and indications of intra-, extra and transforaminal technique <i>S. Ruetten, M. Komp, V. Kuansongtham, W. Kesornsak, D. Goethel</i> | 13:45-14:15 h | Full-endoscopic decompression in lateral and central stenosis - Application of the inter laminar and foraminal technique equipment <i>W. Kesornsak, V. Kuansongtham, S. Ruetten, M. Komp</i> |
| 09:30-09:45 h | Discussion | 14:15-14:45 h | Technical aspects of full-endoscopic spinal applications & equipment <i>D. Goethel</i> |
| 09:45-10:15 h | Instructional video: Full-endoscopic operation with lateral foraminal access in disc herniation / Tape from St. Anna Hospital <i>S. Ruetten, M. Komp</i> Moderators: <i>M. Komp, S. Ruetten, V. Kuansongtham, A. Hansasuta, W. Mahattanakul, R. Chitragran, A. Boongird, W. Kesornsak, D. Goethel</i> | 14:45-15:00 h | Refreshment |
| 10:15-10:30 h | Refreshment | 15:00-16:00 h | Instructional video: Full-endoscopic operation with interlaminar access in lumbar stenosis and disc herniation Moderators: <i>V. Kuansongtham, W. Mahattanakul, R. Chitragran, A. Boongird, W. Kesornsak, M. Ruangchainikom, S. Ruetten, M. Komp, D. Goethel</i> |
| 10:30-11:00 h | The interlaminar full-endoscopic approach in disc herniations -State of the art, possibilities and limitations <i>W. Kesornsak, V. Kuansongtham, S. Ruetten, M. Komp</i> | Cervical Spine: | |
| 11:00-11.15 h | Discussion | 16:00-16:30 h | The full-endoscopic operation of the cervical spine with anterior and posterior access – Possibilities and limitations <i>M. Komp, S. Ruetten, V. Kuansongtham, W. Kesornsak</i> |
| 11.15-12.00 h | Instructional video: Full-endoscopic operation with Interlaminar approach in disc herniation / VDO demonstration Moderators: <i>V. Kuansongtham, T. Wattanawong, A. Hansasuta, W. Mahattanakul, R. Chitragran, A. Boongird, W. Kesornsak, S. Ruetten, M. Komp, D. Goethel</i> | 16:30-16:45 h | Discussion |
| | | 16.45-17.00 h | Closing <i>V. Kuansongtham</i> |

Registration

Please send your registration form to Medical Education, Bumrungrad Hospital Pcl by January 27th, 2024

Tel: +66 (0) 2011 3141
or e-mail: info@misscot.org

Yes, I will participate in 56th International Training Course of Endoscopic Operation of the L,T,C Spine Operations of the Lumbar, Thoracic and Cervical Spine

- Intensive Course (January 31st - 2nd, 2024)
 Masterclass course (February 1st - 3rd, 2024)
 Basic Course (February 1st - 3rd, 2024)

Participant (please complete information below)

First name:

Surname:

Title:

Hospital:

Country:

Specialty: Orthopedic Surgeon Neurosurgeon Others, please specify

E-mail:

Phone:

Yes, I will use the shuttle transfer** Chatrium Grand Hotel > the training location.

Yes, I will participate in the dinner** on Friday

**Transfer and dinner are free of additional fees.

Have you ever participated in any full-endoscopic operations of the lumbar, thoracic and cervical spine training course?

- Yes, please specify date and place.
 No

Have you ever performed full-endoscopic operations of the lumbar, thoracic and/or cervical spine?

- Yes, please specify types and approximate number of cases.
 No

Special Dietary Needs:

- None Vegetarian
 Seafood Allergies Halal
 Other, please specify

Signature: Date:

Course fee:

| | Thai | Foreigner |
|---|------------|-----------|
| Intensive Course on January 31 st - 2 nd , 2024 (max 10 participants) | THB 70,000 | USD 2,200 |
| Masterclass course on February 1 st - 3 rd , 2024 (max 6 participants) | THB 70,000 | USD 2,200 |
| Basic Course on February 1 st - 3 rd , 2024 (max 12 participants) | THB 40,000 | USD 1,400 |

Participants:

Due to space limitation, only participants who receive confirmation from the Organization Office will be registered for the training. The Organization Office will provide payment information upon confirmation.

Direct Deposit

Bank name: **Siam Commercial Bank (SCB)**
 Ac/name: **Absolute Spine Care Co., Ltd.**
 Ac/no: **468-099-296-4**

Speakers/Instructors

Prof. Dr. Ake Hansasuta
Neurosurgeon
Bumrungrad Spine Institute

Assoc. Prof. Dr. Atthaporn Boongird
Neurosurgeon
Bumrungrad Spine Institute

Mr. Dirk Goethel
General Manager
RIWOspine GmbH

Dr. Ittipol Komonhirun
Orthopedic Surgeon
Bumrungrad Spine Institute

Asst. Prof. Dr. Kanthika Wasinpongwanich
Orthopaedic Surgeon
Bumrungrad Spine Institute

Dr. Koichiro Ono
Visiting Professor
Nippon Medical School

Dr. med. Martin Komp
Center for Spine Surgery and Pain Therapy
Center for Orthopedics and Traumatology
of the St. Elisabeth Group - Catholic Hospitals
Rhein-Ruhr, St. Anna Hospital Herne/
Marien Hospital Herne University Hospital/
Marien Hospital Witten, Germany

Asst. Prof. Dr. Monchai Ruangchainikom
Orthopaedic Surgeon
Bumrungrad Spine Institute

Dr. Panlop Tirawanish
Orthopaedic surgeon
Golden jubilee medical center,
Siriraj hospital of Mahidol university

Dr. Pawin Kasempipatchai
Orthopaedic Surgeon
Bumrungrad Spine Institute

Dr. Piyanat Wangsawatwong
Neurosurgeon
King Chulalongkorn Memorial Hospital

Dr. Pradit Predeeprompan
Orthopaedic Surgeon
Bumrungrad Spine Institute

Dr. Pramod Lokhande
Gurukrupa Clinic,

Lt. Col. Asst. Prof. Dr. Roongrath Chitragran
Orthopaedic Surgeon
Bumrungrad Spine Institute

Priv.-Doz. Dr. med. habile Sebastian Ruetten
Center for Spine Surgery and Pain Therapy
Center for Orthopedics and Traumatology
of the St. Elisabeth Group - Catholic Hospitals
Rhein-Ruhr, St. Anna Hospital Herne/
Marien Hospital Herne University Hospital/
Marien Hospital Witten, Germany

Dr. Teerachat Tanasansomboon
Orthopaedic surgeon
Samut Sakhon Hospital

Assoc. Prof. Dr. Thanet Wattanawong
Orthopaedic Surgeon
Bumrungrad Spine Institute

Dr. Vit Kotheeranurak
Orthopaedic Surgeon
King Chulalongkorn Memorial Hospital
and Chulalongkorn University

Dr. Verapan Kuansongtham*
Neurosurgeon
Director of Bumrungrad Spine Institute
Bumrungrad International Hospital

Dr. Withawin Kesornsak
Neurosurgeon
Bumrungrad Spine Institute

Dr. Wattana Mahattanakul
Neurosurgeon
Bumrungrad Spine Institute

Dr. Yongyot Laungwitthajaroen
Orthopaedic Surgeon
Rajavithi hospital

*Also a member of the Division of Neurosurgery, Faculty of Medicine, Ramathibodi Hospital

General Notes

ORGANIZERS:

- Bumrungrad Spine Institute
Bumrungrad International Hospital
33 Sukhumvit 3
Klongtoey Nua, Wattana
Bangkok 10110, Thailand
- Center for Spine Surgery and Pain Therapy
Center for Spine Surgery and Pain Therapy
Center for Orthopedics and Traumatology
of the St. Elisabeth Group - Catholic Hospitals
Rhein-Ruhr, St. Anna Hospital Herne/
Marien Hospital Herne University Hospital/
Hospitalstrasse 19
44649 Herne, Germany
- Siriraj Orthopaedic Learning Center,
5th Floor, Adulyadejvikkrom Building,
Faculty of Medicine Siriraj Hospital,
Mahidol University, Bangkok, Thailand
- Minimally Invasive Spine
Surgery Club of Thailand
2 Wanglang Road, Bangkoknoi
Bangkok 10700, Thailand

CONFERENCE LOCATION:

- Wednesday, 31st January and
Saturday 3rd, February, 2024
Siriraj Orthopaedic Learning Center,
5th Floor, Adulyadejvikkrom Building,
Faculty of Medicine Siriraj Hospital,
Mahidol University, Bangkok, Thailand
See map on page 13.
- Thursday 1st - Friday 2nd February, 2024
2nd, Floor, Grand ball room,
Chatrium Grand Bangkok,
728 Phetchaburi Road, Thanon Phetchaburi,
Ratchathewi, Bangkok 10400 Thailand
See map on page 12.

LANGUAGE:

All lectures, presentations and discussions
will be conducted in **ENGLISH**.

SCIENTIFIC DIRECTION:

Dr. Verapan Kuansongtham
Bumrungrad Spine Institute
Bumrungrad International Hospital
33 Sukhumvit 3
Klongtoey Nua, Wattana
Bangkok 10110, Thailand

Priv.-Doz. Dr. med. habil. Sebastian Ruetten
Dr. med. Martin Komp
Center for Spine Surgery and Pain Therapy
Center for Orthopedics and Traumatology
of the St. Elisabeth Group - Catholic Hospitals
Rhein-Ruhr, St. Anna Hospital Herne/
Marien Hospital Herne University Hospital/
Hospitalstrasse 19,
44649 Herne, Germany

ORGANIZATION OFFICE:

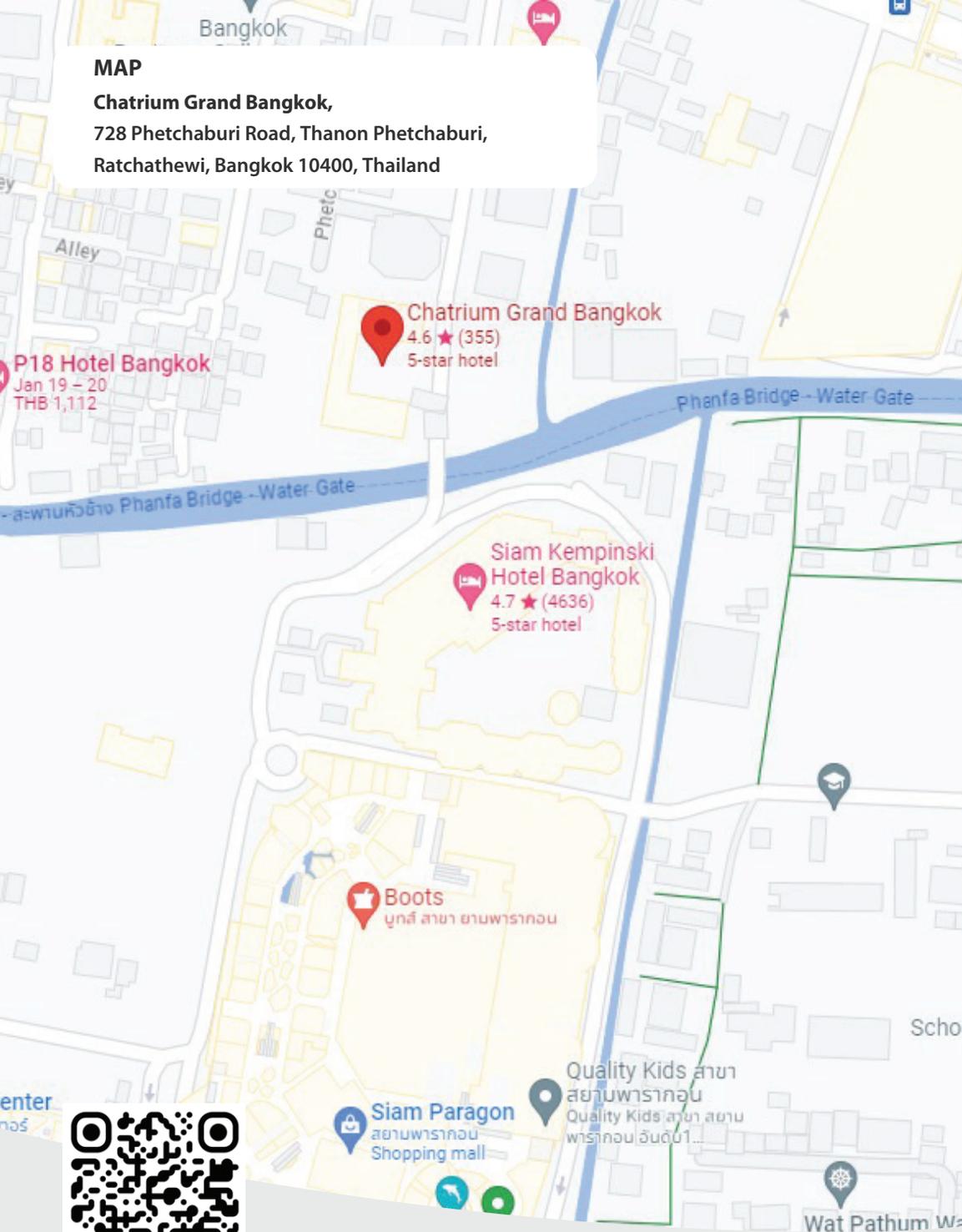
Miss Chollada Ruangprach
Minimally Invasive Spine
Surgery Club of Thailand
2 Wanglang Road, Bangkoknoi,
Bangkok 10700, Thailand
Email:
info@misscot.org

SUGGESTED HOTEL :

Chatrium Grand Bangkok,
728 Phetchaburi Road, Thanon Phetchaburi,
Ratchathewi, Bangkok 10400 Thailand
Tel: +66 (0) 2126 7999

MAP

Chatrium Grand Bangkok,
728 Phetchaburi Road, Thanon Phetchaburi,
Ratchathewi, Bangkok 10400, Thailand



Scan QR Location



Siriraj Orthopaedic Learning Center

5th Floor, Adulyadejvikrom Building,
Faculty of Medicine Siriraj Hospital,
Mahidol University

Tel. +66 (0) 2419 7964

2 Wanglang Road Bangkoknoi, Bangkok 10700

GE Healthcare

GE is making a new commitment to healthcare

We call it **healthymagination**

At GE, we believe what's needed, right now, is a new mindset that embraces that health is everything. Just as we delivered innovation in environmental technology with ecomagination, healthymagination will change the way we approach healthcare, with over 100 innovations all focused on addressing three critical needs: **lowering costs, touching more people and improving quality.**

Yes, costs need to be lowered, while still delivering the best technology possible. GE's Electronic Medical Records give doctors the information they need almost instantly and could save billions in costs over the next 5 years.



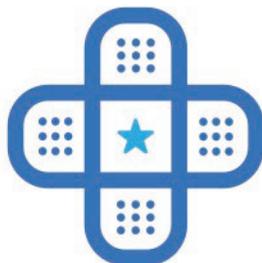
Reduce Costs



Increase Access

Access to healthcare should be more available and not determined by where you live. Equipment like GE's MAC 800 brings lifesaving ECG technology to patients in a unit smaller than a backpack, accessible to the most remote hospitals and clinics in the world.

Quality healthcare empowers more people through early detection and a higher level of care at home. As people age or face chronic conditions, they need innovations like Home Health technologies that remotely monitor their well-being so they can live independently.



Improve Quality

RIWOSPINE
A Richard Wolf Company

 **BJH Medical**

RICHARD WOLF 



To learn more visit,
www.healthymagination.com



GE imagination at work