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the full-endoscopic spine instrument set from RICHARD WOLF extends in a unique manner the application spectrum for operations of disc herniations and spinal stenosis with minimally invasive surgical techniques.

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Sebastian Ruetten

While others
warm up – we
set the standards!

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Bumrungrad
International
HOSPITAL

34th International Training Course for Full-endoscopic Operations of the Lumbar, Thoracic and Cervical Spine

**Symposium with Live-Operation
and Cadaver-Workshop**

January 30th-31st, 2015
Bangkok, Thailand

Verapan Kuansongtham
Sebastian Ruetten

Organizers:

- Spine Institute, Bumrungrad International Hospital, Bangkok, Thailand
- Faculty of Science, Mahidol University, Bangkok, Thailand
- Center for Spine Surgery and Pain Therapy, Center for Orthopaedics and Traumatology, St. Anna Hospital Herne, Germany



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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 scaring and long-term side effects. In order to make cervical and lumbar disc surgery minimally invasive, Dr. 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
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 Orthopaedics and Traumatology
St. Anna Hospital Herne, Germany



Message from Medical Director 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 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, Dr. Sebastian Ruetten is a world pioneer who invented a special technique for using an endoscope to operate patients with herniated discs. Dr. Verapan Kuansongtham, our neurosurgeon who is also the Director of our Spine Institute, and Dr. Sompoth Paiboonsirijit have been directly trained by Dr. Ruetten. 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). In 2009, Dr. Kuansongtham and Dr. Paiboonsirijit also joined Dr. Ruetten in organizing a special workshop in Chicago for American doctors.

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.

Dr. Num Tanthuwani

Chief Executive Officer and Medical Director
Bumrungrad International Hospital



Friday, January 30th, 2015
At Bumrungrad International Hospital, Bangkok

07:45 h **Shuttle transfer**
The Sukosol Hotel to
Bumrungrad International Hospital

From 08:30 h **Registration**

09:00-09:15 h **Welcome and introduction**

Mr. Dennis Brown, Corporate Chief Executive officer
Dr. Num Tanthuwani, Chief Executive Officer and Medical Director
Dr. Sebastian Ruetten, Head of the Center for Spine Surgery
and Pain Therapy Center,
St. Anna Hospital Herne, Germany
Mr. Dirk Goethel, Head of Product Marketing Spine Surgery,
Richard Wolf GmbH

Lumbar / Thoracic Spine:

09:15-9:45 h **The transforaminal full-endoscopic approach in disc herniations –
Technique and indications of posterolateral to lateral access**
S. Paiboonsirijit, V. Kuansongtham, S. Ruetten, M. Komp

09:45-10:15 h **Discussion**

10:15-10:30 h **Refreshment**

10:30-11:15 h **Live Operation:**

**Full-endoscopic operation with lateral transforaminal
access in a disc herniation**

V. Kuansongtham, S. Paiboonsirijit, T. Wattanawong
Moderators: W. Mahattanakul, K. Saetia, W. Kesornsak, S. Ruetten, M. Komp
Discussion afterwards

11:15-11:45 h **The interlaminar full-endoscopic approach in disc herniations -
State of the art, possibilities and limitations**

T. Wattanawong, V. Kuansongtham, S. Ruetten, M. Komp

11:45-12:15 h **Discussion**

12:15-13:15 h **Lunch**

13:15-14:00 h **Live Operation:**

Full-endoscopic operation with interlaminar access in a disc herniation

V. Kuansongtham, T. Wattanawong, I. Komonhirun,
Moderators: A. Hansasuta, A. Boongird, W. Kesornsak
Discussion afterwards

14:00-14:30 h **Full-endoscopic decompression in lateral and central stenosis -
Application of the interlaminar and transforaminal approach**

V. Kuansongtham, S. Ruetten, M. Komp

14:30-14:45 h **Discussion**

14:45-15:00 h **Refreshment**

Cervical Spine:

15:00-15:30 h

**The full-endoscopic operation of the cervical spine with anterior
and posterior access – Possibilities and limitations**

S. Ruetten, M. Komp, V. Kuansongtham

15:30-15:45 h **Discussion**

15:45-16:00 h **Closing**

V. Kuansongtham

16:15 h

Shuttle transfer

From Bumrungrad International Hospital to Sukosol hotel

Saturday, January 31st, 2015
At Faculty of Science, Mahidol University, Bangkok

08:30 h **Shuttle transfer**
From the Sukosol Hotel to Mahidol University

09:00-09:15 h **Welcome and introduction**
W.Weerachatyanukul, P.Saitongdee, V.Kuansongtham

Cadaver Workshop - Part I

09:30-09:45 h **Repetition access techniques – Full-endoscopic transforaminal approach of the lumbar spine**
V. Kuansongtham, S. Paiboonsirijit, S. Ruetten, M. Komp

09:45-10:15 h **Demonstration of transforaminal access**
V. Kuansongtham, S. Paiboonsirijit, S. Ruetten, M. Komp

10:15-12:45 h **Practical exercises for participants**
Module 1: Lumbar spine - basic course:
Full-endoscopic transforaminal operation
Module 2: Lumbar spine - advanced course:
Full-endoscopic extraforaminal operation
Module 3: Cervical spine:
Full-endoscopic operation with anterior approach

Instructors:
V. Kuansongtham, A. Boongird, I. Komonhirun, K. Aroonjarattham, K. Saetia, P. Preedeepprompan, R. Arunakul, W. Kesornsak, S. Chumnanvej, S. Paiboonsirijit, S. Ruetten, T. Wattanawong, W. Mahattanakul,

11:30-12:00h **Demonstration of interlaminar decompression for lateral recess stenosis**
V. Kuansongtham, S. Ruetten, M. Komp

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

Cadaver Workshop – Part II

13:45-14:00 h **Repetition access techniques – Full-endoscopic interlaminar approach of the lumbar spine**
V. Kuansongtham, S. Ruetten, M. Komp

14:00-14:30 h **Demonstration of interlaminar access**
V. Kuansongtham, S. Ruetten, M. Komp

14:30-16:45 h **Practical exercises for participants**
Module 1: Lumbar spine - basic course:
Full-endoscopic Interlaminar operation
Module 2: Lumbar spine - advanced course:
Full-endoscopic operation of spine canal stenosis
Module 3: Cervical spine:
Full-endoscopic operation with posterior approach

Instructors:
V. Kuansongtham, A. Boongird, I. Komonhirun, K. Aroonjarattham, K. Saetia, P. Preedeepprompan, R. Arunakul, W. Kesornsak, S. Chumnanvej, S. Paiboonsirijit, S. Ruetten, T. Wattanawong, W. Mahattanakul,

16:00-16:30 h **Demonstration of interlaminar approach to posterior cervical spine**
V. Kuansongtham, S. Ruetten, M. Komp

16:45:17:00 h **Closing**
V. Kuansongtham

17:15 h **Shuttle transfer**
From Mahidol University to the Sukosol Hotel.

Speakers/Instructors

Dr. Kitti Aroonjarattham

Orthopedic Surgeon
Bumrungrad Spine Institute

Dr. Rattalerk Arunakul

Orthopedic Surgeon
Bumrungrad Spine Institute

Dr. Atthaporn Boongird*

Neurosurgeon
Bumrungrad Spine Institute

Mr. Dennis Brown

Corporate Chief Executive Officer
Bumrungrad Hospital Public Company Limited

Dr. Sorayouth Chumnanvej*

Neurosurgeon
Bumrungrad Spine Institute

Dr. Ake Hansasuta*

Neurosurgeon
Bumrungrad Spine Institute

Dr. Withawin Kesornsak

Neurosurgeon
Bumrungrad Spine Institute

Dr. Ittipol Komonhirun

Orthopedic Surgeon
Bumrungrad Spine Institute

Dr. med. Martin Komp

Center for Spine Surgery and Pain Therapy,
Center for Orthopedics and Traumatology,
St. Anna-Hospital Herne, Germany

Dr. Verapan Kuansongtham*

Neurosurgeon
Director of Bumrungrad Spine Institute
Bumrungrad International Hospital

Dr. Wattana Mahattanakul*

Neurosurgeon
Bumrungrad Spine Institute

Dr. Sompoch Paiboonsirijit

Orthopedic Surgeon
Bumrungrad International Hospital

Dr. Pradit Predeeprompan

Orthopaedic Surgeon
Bumrungrad Spine Institute

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

Head of the Center for Spine Surgery and Pain
Therapy, Center for Orthopaedics and
Traumatology, St. Anna-Hospital Herne, Germany

Dr. Kriangsak Saetia*

Neurosurgeon
Bumrungrad Spine Institute

Assoc. Prof. Dr. Pornchan Saitongdee

Department of Anatomy
Faculty of Science, Mahidol University

Dr. Num Tanthuanit

Chief Executive Officer and Medical Director
Bumrungrad Hospital Public Company Limited

Dr. Thanet Wattanawong

Orthopaedic Surgeon
Bumrungrad Spine Institute

**Also a member of the Faculty of Medicine at Ramat-
hibodi Hospital, Mahidol University, Bangkok, Thailand*

General Notes

ORGANIZERS:

- **Spine Institute**
Bumrungrad International Hospital
33 Sukhumvit 3
Khlong Toei Nua, Vadhana,
Bangkok 10110, Thailand
- **Center for Spine Surgery and Pain Therapy**
Center for Orthopaedics and Traumatology
St. Anna-Hospital Herne
Hospitalstrasse 19
44649 Herne, Germany
- **Department of Anatomy**
Faculty of Science, Mahidol University
272 Rama VI Road,
Bangkok 10400, Thailand

LANGUAGE:

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

CONFERENCE LOCATION:

- **Friday, January 30th, 2015**
21th Floor, Conference Room,
Bumrungrad International Hospital,
Bangkok, Thailand.
See map on page 12.
- **Saturday, January 31st, 2015**
Faculty of Science, Mahidol University,
Bangkok, Thailand.
See map on page 13.
There is a free shuttle transfer service
between the Sukosol Hotel and the
conference locations on both days.

SCIENTIFIC DIRECTION:

Dr. Verapan Kuansongtham
Spine Institute
Bumrungrad International Hospital
33 Sukhumvit 3
Khlong Toei Nua, Vadhana,
Bangkok 10110, Thailand

Priv.-Doz. Dr. med. habil. Sebastian Ruetten
Dr. med. Martin Komp
Center for Spine Surgery and Pain Therapy
Center for Orthopaedics and Traumatology
St. Anna-Hospital Herne
Hospitalstrasse 19,
44649 Herne, Germany

CME CERTIFICATION:

Certified for 12 CME credit points:

ORGANIZATION OFFICE:

Miss Benjamaporn Utartham
Miss Pattiya Namfar
Miss Supunsa Meemasuk
Medical Education
Bumrungrad Hospital PCL.
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Bangkok 10110, Thailand
Tel: +66 (0) 2667 1883-5
Fax: +66 (0) 2262 5022
E-mail:
medical.education@bumrungrad.com

SUGGESTED HOTEL :

The Sukosol Hotel
477 Si Ayuthaya Road, Phaya Thai,
Bangkok 10400, Thailand
Tel: +66 (0) 2247-0123 ,
Fax: +66 (0) 2247-0165
thesukosol@sukosolhotels.com

Registration

Please send your registration form to Medical Education, Bumrungrad Hospital Pcl no later than December 26th, 2014

via fax number +66 (0) 2262 5022

or e-mail: medical.education@bumrungrad.com

Yes, I will participate in the 34th International Training Course for Full-endoscopic Operations of the Lumbar, Thoracic and Cervical Spine January

on only January 30th, 2015;

on both January 30th and 31st, 2015.

Participant (please complete information below)

First name:

Surname:

Title:

Hospital:

Street:

City/Postcode:

Country:

Tel: Fax:

E-mail:

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

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:

■ For attending only lecture on January 30th, 2015

Thai

THB 3,000

Foreigner

USD 100

■ For attending both lecture and workshop on January 30th - 31st, 2015

THB 36,000

USD 1,200

Participants:

There is a maximum of 30 participants for workshop on Friday, January 30th, 2015.

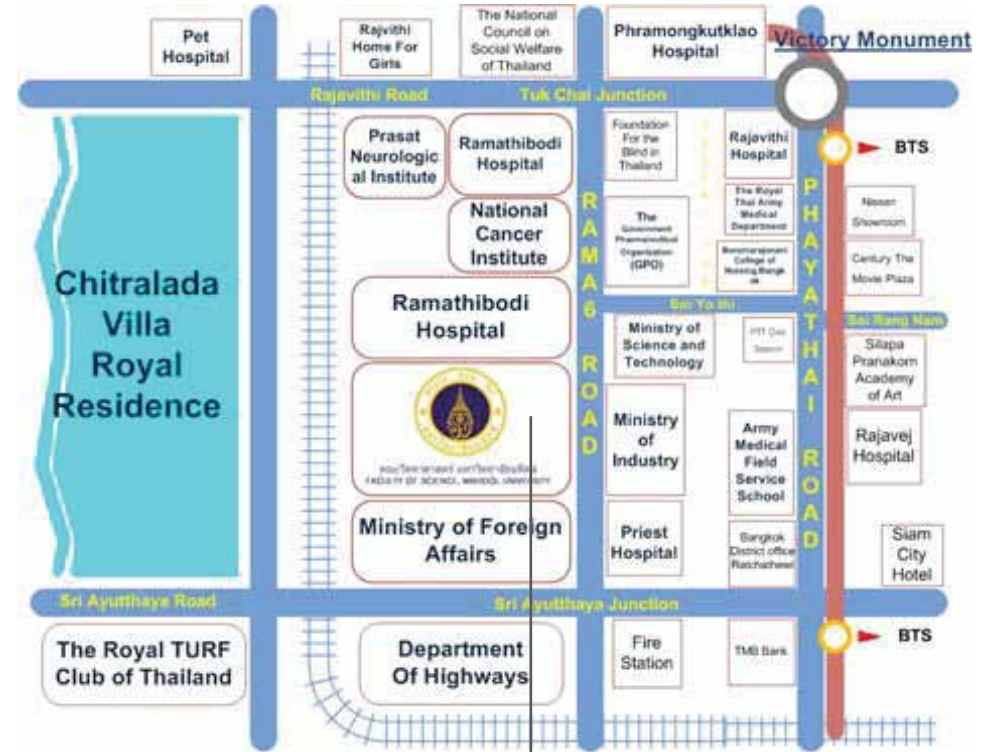
Due to space limitation, only participants who receive confirmation from the Organization Office will be registered for the training. The Organization Office will provide payment information upon confirmation.

Map

Bumrungrad International Hospital

33 Sukhumvit 3 Khlong Toei Nua, Vadhana,
Bangkok 10110, Thailand

Tel: +66 (0) 2667 2000
Fax: +66 (0) 2667 2532



BUS: 8, 92, 157

AirBus: 1๒๑.9, 10, 44, 154, 171

MicroBus: 1๒๑.๖.8

Department of Anatomy
Faculty of Science
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GE Healthcare

GE is making a new commitment to healthcare

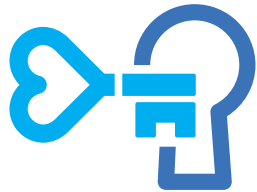
We call it **healthymagination**

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.**

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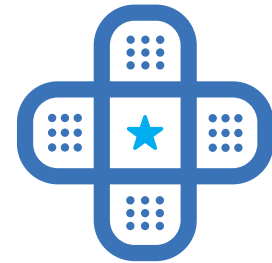


Reduce Costs



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.



Improve Quality

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.

To learn more visit, www.healthymagination.com



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หุ่นฝึกช่วยชีวิต

บริษัท เบอร์ลีชเคอร์ จำกัด(มหาชน)

อาคารเบอร์ลีชเคอร์ เลขที่ 99 ซอยบูรเบี๊ยะ ถนนสุขุมวิท42 แขวงพระโขนง เขตคลองเตย กรุงเทพฯ 10110

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