D+Bone Solution Global Update 2016 When. 2016.11.13 / 08:30 ~ 15:00

Where. Daewoong Bear Hall





Global Update 2016

Support evidence-based practice by providing scientific partnerships & global networks



**Daewoong** aims to establish evidence-based medical device business through building up valuable scientific partnerships with surgeons and promoting global network among healthcare professionals in education and research.

**D+Bone Solution Global Update 2016** is our first step toward the aim and is committed to offer the latest information on advanced bone-care management. The presentation topics relates to convenient and innovative approaches for osseous treatment, and will be supported by hands-on demonstrations as well.

We hope you explore the very best of what Daewoong can offer throughout this workshop.

| When                     |               | Where              |
|--------------------------|---------------|--------------------|
| 2016.11.13 <sup>th</sup> | 08:30 ~ 15:00 | Daewoong Bear Hall |

| Program       |   |  | * The schedule is subject to change  |  |
|---------------|---|--|--|--|
| 08:45 ~ 09:00 | 08:45 ~ 09:00  09:00 ~ 09:20  DW Session  09:20 ~ 09:40 | Welcome Speech   | Dir. Seng Ho Jeon<br>Daewoong  |  |
| 09:00 ~ 09:20 |   | Company Introduction and Global Surgical Plans and Recent Update | Mr. Patrick Wong Daewoong  |  |
| 09:20 ~ 09:40 |   | Future of Bio-material(3D)                                       | Dr. Hui-suk Yun<br>Korea Institute of Material Science, Korea                      |  |
| 09:40 ~ 10:00 | New<br>D+Bone Solution<br>Products                      | The Role of Mesenchymal Stem Cells and BMP-2 in Bone Engineering | Prof. Ismail Hadisoebroto Dilogo<br>RSCM, Indonesia                                |  |
| 10:00 ~ 10:20 |   | BGS-7 Material Technology  | Prof. Yoon Ha<br>Severance Hospital of Yonsei University Health System, Korea      |  |
| 10:20 ~ 11:00 |   | Break out and Product Demo (Art Space)                           |  |  |
| 11:00 ~ 11:20 |   | Effective Usage of Growth Factor in Bone Grafting                | Prof. Ho-Joong Kim<br>Seoul National University Bundang Hospital, Korea            |  |
| 11:20 ~ 11:40 |   | Importance of Anti-adhesion in Hand Micro-surgery                | Prof. Yun-Rak Choi<br>Severance Hospital of Yonsei University Health System, Korea |  |
| 11:40 ~ 12:00 | OO Speaker Appreciation Ceremony and Group Photo        |  |  |  |
| 12:00 ~ 13:15 | Lunch (Wincafe)   |  |  |  |
| 13:15 ~ 13:35 | Clinical Experience & Special Topics                    | Evidence and Clinical Experience of BMP in Spinal Fusion         | Prof. Seung-Jae Hyun<br>Seoul National University Bundang Hospital, Korea          |  |
| 13:35 ~ 13:55 |   | Tips & Tricks : Optimum Treatment for Osteoporosis Patients      | Prof. Sang-Hyun Kim<br>Ajou University Hospital, Korea                             |  |
| 13:55 ~ 14:15 |   | Efficacy of Bongener for Spinal Fusion                           | Prof. Yudha Mathan Sakti<br>RSUP DR Sardjito Hospital, Indonesia                   |  |
| 14:15 ~ 14:35 |   | The Clinical Application of Artificial Bones                     | Prof. Fan Tao<br>Sanbo Brain Hospital Capital Medical University, China            |  |
| 14:35 ~ 14:45 | Closing   | Closing & Introduction of the Daewoong team                      | Mr. Patrick Wong Daewoong  |  |

## Future of Bio-material(3D)



Dr. Hui-suk Yun

Korea Institute of Material Science, Korea

- Powder and Ceramics Division at Korea Institute of Materials Science (KIMS)
- Professor of Department of Materials Science in University of Science & Technology (UST).
- R&D Planner of Directorate for National Science and Engineering Programs at National Research
- Research fields include nanoporous materials for both energy- and bio-applications, bioceramics, 3D printing systems & processes, and tissue engineering

Ph.D University of Tokyo, Japan(Materials Science Engineering)

003 » D+Bone Solution - Global Update 2016

## **BGS-7 Material Technology**



Prof. Yoon Ha

Severance Hospital of Yonsei University Health System, Korea

- Professor of Neurological Surgery, Yonsei University of College of Medicine, Seoul, Korea (2015-)
- Consultant Neurosurgeon in Korean Air (Commercial Airline), Seoul, Korea (2007-)
- President of Aerospace Medical Association of Korea, Seoul, Korea (2015-)
   Secretary General of Asia Pacific Cervical Spine Society (2015 )

- Director of Research –Korean Spinal Deformity Research Society (2015-)
   Director of Academic Program Korean Tissue Engineering and Regenerative Medicine (2016-)

- Doctor of Philosophy, Graduate School of Medicine(2002)
- Master of Science, School of Medicine(1997)
- · Doctor of Medicine, Wonju Medical College, YONSEI UNIVERSITY, Seoul, Korea(1994)

## 005 » D+Bone Solution - Global Update 2016

## Importance of Anti-adhesion in Hand **Micro-surgery**



Prof. Yun-Rak Choi

Severance Hospital of Yonsei University Health System, Korea

- Associate Professor of Hand, Elbow and Microsurgery Service Department of Orthopedic Surgery
- · Associate Editor, Journal of Korean Orthopaedic Association

- Ph.D. Yonsei University College of Medicine, Seoul, Korea (2008)
- . M.D. Yonsei University College of Medicine, Seoul, Korea(2000)

## 007 » D+Bone Solution - Global Update 2016

## **Tips & Tricks: Optimum Treatment for Osteoporosis Patients**



Prof. Sang-Hyun Kim

Ajou University Hospital, Korea

- Associate Professor, Department of Neurosurgery Member of Korean Society of Spine Surgery
- American Heart Association Basic Life Support(2003)

- M.D. Yonsei University College of Medicine, Seoul, Korea(1997)
   Ajou Graduate School, Dept. of Neurosurgery(2002)
- Ph. D Yonsei University College of Medicine, Seoul, Korea(2011)

## 009 » D+Bone Solution - Global Update 2016

## The Clinical Application of Artificial **Bones**



Prof. Fan Tao

Sanbo Brain Hospital Capital Medical University, China

- Professor and Director of Spinal Cord and Spine Program, Capital Medical University Sanbo Brain Hospital
- Executive trustee of Chinese Neurospine Society
- Vice Director of World Chinese Minimal invasive Precise Spine Surgery Society
- Peer Reviewer of Asian Journal of Neurosurgeon Society

- Ph.D. Capital University of Medical Science(1998)

## The Role of Mesenchymal Stem Cells and BMP-2 in Bone Engineering



## Prof. Ismail Hadisoebroto Dilogo

RSCM Indonesia

- An orthopaedic consultant of Trauma and Reconstruction Division in the Department of Orthopaedic and Traumatology Ciptomangunkusumo Hospital
- Academic staff and chief lector rank at the Faculty of Medicine Universitas Indonesia, Jakarta. Active member of Indonesian Orthopaedic Association, AO Trauma Asia Pacific and the American Academy of Orthopaedic Surgeons (AAOS)
- · President of Indonesian Stem Cell Association

- Ph.D in medical science, Faculty of Medicine, Universitas Indonesia(2007)
- M.D. Faculty of Medicine, University of Airlangga, Surabaya.(1994)

## 004 » D+Bone Solution - Global Update 2016

## **Effective Usage of Growth Factor in Bone Grafting**



## Prof. Ho-Joong Kim

Seoul National University Bundang Hospital, Korea

- Associate Professor, Department of Orthopaedic Surgery at Seoul National University Bundang
- Hospital Spine Center
- Member of Korean Society of Spine Surgery
- Member of ISSLS and AO Spine
- Editor of Korean Society of Spine Surgery Journal and KOSASS Journal

- M.D. Yonsei University College of Medicine, Korea(2006)
- Ph.D Yonsei University College of Medicine, Korea(2010)

## 006 » D+Bone Solution - Global Update 2016

## **Evidence and Clinical Experience of BMP** in Spinal Fusion



Prof. Seung-Jae Hyun

Seoul National University Bundang Hospital, Korea

- Associate Professor, Department of Neurosurgery, Seoul National University Bundang Hospital
- Executive Professor of Neurosurgical Department Executive Professor of Spine Center. Seoul National University Bundang Hospital

- Ph.D Chung-Ang University College of Medicine, Seoul Korea(2009)
- . M.S. Chung-Ang University College of Medicine, Seoul Korea(2007)

## 008 » D+Bone Solution - Global Update 2016

# **Efficacy of Bongener for Spinal Fusion**



Prof. Yudha Mathan Sakti

RSUP DR Sardjito Hospital, Indonesia

 Department of Biomedical Engineering in Rijks Universiteit Groningen (RuG), Groningen, Netherland Orthopaedic Traumatology Department University of Gadiah Mada – Sardiito General Hospital Jogiakarta

B.M. Medical Faculty of Padjadjaran State University, Bandung(2003)





