



# 2020 KHS

The International Congress of the  
Korean Hip Society  
The 64<sup>th</sup> Annual Meeting

September 4 ~ 5, 2020  
Online Congress



KOREAN HIP SOCIETY

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## WELCOME MESSAGE

Greeting to all,

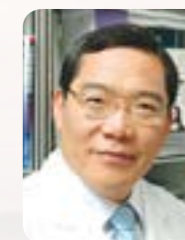
On behalf of the Korean Hip Society, it is my great pleasure and honor to extend a warm invitation to you regarding "International Congress of Korean Hip Society as the 64th Annual Meeting of the Korean Hip Society", which will be held on-line([http://www.khs.or.kr/abstract/2020\\_spring](http://www.khs.or.kr/abstract/2020_spring)) from September, 4th to 5th, 2020.

Since its establishment in 1981, the Korean Hip Society has been playing outstanding roles for scientific exchange of knowledge as a result of passionate research and dedication of all members. Recently, clinical care for hip disease has also improved to a world-class level, and many foreign patients are visiting Korea and undergoing hip surgery. In the future, we are looking forward to advancing more not only in basic research, but also in clinical practice and cutting-edge high technology with valuable and fruitful cooperation with international orthopedic institutes and members.

"International Congress of Korea Hip Society" was organized based on the efforts of the Korean Hip Society to cooperate with international hip specialists. I believe that you will enjoy active research presentations and constructive discussions. In particular, famous orthopaedic surgeons around the world have been invited to share their novel experiences in this year's conference.

Your continued interest and active participation will be highly appreciated.

Sincerely yours,



**Taek-Rim, Yoon, MD, PhD.**

President of the Korean Hip Society

## DOMESTICS SPEAKERS

September 4th, 2020



## Plenary Lecture I

11:30-11:50

My Early Days Experiences of Vascularized Fibula Grafting for Treatment of Osteonecrosis of the Hip

Myung Chul Yoo  
Kyunghee Univ.



## Special Lecture I

12:50-13:10

I'm Still A Hip Surgeon : 끝나지 않은 여정

Kuen Tak Suh  
Sehung Hosp.



## Special Lecture I

13:10-13:30

My Lifelong Experience of Total Hip Arthroplasty  
- From Start to Present -

Jun-Dong Chang  
Hallym Univ. Dongtan Hosp.

September 5th, 2020



## Special Lecture II

12:50-13:10

인공고관절 전치환술의 경험 33년

Joong-Myung Lee  
Wiltse Memorial Hosp.



## Special Lecture II

13:10-13:30

고관절과 함께한 30년 : 무엇을 배웠는가?

Young-Ho Kim  
Hanyang Univ. Guri Hosp.

## OVERSEAS INVITED SPEAKERS

September 4th, 2020



## Invited Speaker I

10:00-10:15

Spinopelvic Relationship in Total Hip Arthroplasty

Chun Hoi Yan  
Queen Mary Hosp. (Hong Kong)



## Invited Speaker I

10:15-10:30

Effect of MPBG Combined with sPL on Preserving Hip  
in Patients with Necrosis of Femoral Head

Yong Yun Lian  
Fourth Affiliated Hosp. of Harbin Medical Univ. (China)



## Plenary Lecture I

10:40-11:10

Surgical Options for Patients with Osteoarthritis of  
the Hip

Etsuo Chosa  
Japanese Hip Society (Japan)



## Plenary Lecture I

11:10-11:30

1. Technique & Application of Hip Preservation Surgery in China
2. Rotational Osteotomy on the Base of Femoral Neck in Treating Osteonecrosis of the Femoral Head

Hong Zhang  
The First Affiliated Hosp. of Chinese PLA General Hosp.(China)



## Invited Speaker II

16:00-16:15

Advances in THA Approaches Reviewed

Phonthakorn Paul Panichkul  
Bangkok Hosp. (Thailand)



## Invited Speaker II

16:15-16:30

Development and Experience Of Direct Anterior  
Approach Total Hip Arthroplasty in HK

Jason CH Fan  
Adult Reconstruction, HKOA (Hong Kong)

## OVERSEAS INVITED SPEAKERS

**Plenary Lecture II**

16:40-17:00

Application of 3D Model and 3D Printer to THA using  
Anterolateral Approach in the Supine Position

Naonobu Takahira  
Kitasato Univ. (Japan)

**Plenary Lecture II**

17:00-17:20

1. Total Hip Arthroplasty in Ankylosing Hip  
2. Management of the Protusio Acetabuli

Mohammad Zaim Chilmi  
Dr. Soetomo General Hospital Surabaya (Indonesia)

September 5th, 2020

**Invited Speaker III**

10:00-10:15

Complex Primary Case with Corail

Xin Qi  
The First Affiliated Hosp. of Jilin Univ. (China)

**Invited Speaker III**

10:15-10:30

My Learning Curve and Outcome with a New Cup- &  
Stem System

Marco Ezechieli  
Hannover Medical School (Germany)

**Invited Speaker IV**

10:40-10:55

Ceramic Bearings in THA: Here to Stay

Martin Zimmermann  
CeramTec (Germany)

**Invited Speaker IV**

10:55-11:10

What is MAKO's Hip Technology Benefit to Patients?

Robert C. Cohen  
Stryker Orthopaedics (USA)

**Invited Speaker V**

11:20-11:35

Challenge in Total Hip Arthroplasty for Hip Ankylosis  
(Fused Hip)

Iwan Budian Anwar  
Univ. of Sebelas Maret, Surakarta (Indonesia)

**Invited Speaker V**

11:35-11:50

Comparative Analysis of First and Second Stages of Total  
Hip Arthroplasty for Patients with Tuberculosis of The Hip

Dicky Mulyadi  
Padjadjaran University (Indonesia)

**Invited Speaker VI**

14:50-15:05

Stem Reimplantation in Revision THR

Cheng-Fong Chen  
Taipei Veterans General Hosp. (Taiwan)

**Invited Speaker VI**

15:05-15:20

Fungal Periprosthetic Joint Infection : An Endless  
Nightmare

Yuhan Chang  
Chang Gung Memorial Hosp. (Taiwan)

**Plenary Lecture III**

15:30-15:50

Survival Analysis of Allografting and Antiprotusio  
Cage in Treating Massive Acetabular Defects

Mel S Lee  
Chang Gung Memorial Hosp. (Taiwan)

**Plenary Lecture III**

15:50-16:10

Single-stage Revision Combined with Intraarticular  
Antibiotics Infusion for Chronic PJI of Hip

Cao Li  
The First Affiliated Hospital of Xinjiang Medical Univ. (China)

PROGRAM AT A GLANCE September 4th, 2020

Time	Room A	Room B
07:55-08:00	Opening Address	
08:00-08:40	Free Paper A1 THA Basics	Free Paper B1 Basic Research 08:00-08:48
08:40-09:04	Free Paper A2 ON and Fatigue Fracture of Femoral Head	Free Paper B2 Hip Arthroscopy 08:48-09:20
09:04-09:44	Free Paper A3 THA-Templating and Approach	Free Paper B3 PAO 09:20-09:52
09:44-10:00	Coffee Break	Coffee Break
10:00-10:40	Invited Speaker I	
10:40-12:00	Plenary Lecture I	
12:00-12:50	Sponsorship Symposium and Lunch	
12:50-13:30	Special Lecture I	
13:30-13:54	Free Paper A4 THA: Articulation	Free Paper B4 Osteoporosis and Sarcopenia 13:30-14:02
13:54-14:34	Free Paper A5 THA: Articulation and Long-term Outcome	Free Paper B5 Pelvic Disorder and Fracture 14:02-14:34
14:34-15:06	Free Paper A6 THA: Articulation and Instability	Free Paper B6 Pertrochanter Fx1: What Is The Optimal Treatment?
15:06-15:20	Coffee Break	
15:20-16:00	Live Surgery (Sponsored by Stryker)	
16:00-16:40	Invited Speaker II	
16:40-17:30	Plenary Lecture II	

PROGRAM AT A GLANCE September 5th, 2020

Time	Room A	Room B
08:00-08:56	Free Paper A7 Arthroplasty: Stem	Free Paper B7 Femur Neck Fx: What is The Optimal Treatment?
08:56-09:44	Free Paper A8 THA: Specific Situations	Free Paper B8 Pertrochanter Fx2:What is The Optimal Treatment?
09:44-10:00	Coffee Break	
10:00-10:40	Invited Speaker III	
10:40-11:20	Invited Speaker IV	
11:20-12:00	Invited Speaker V	
12:00-12:50	Sponsorship Symposium and Lunch	
12:50-13:30	Special Lecture II	
13:30-14:02	Free Paper A9 THA: PJI and Readmission	Free Paper B9 Hip Fracture and Morbidity 13:30-14:10
14:02-14:34	Free Paper A10 THA: Periprosthetic Fracture	Free Paper B10 Hip Fracture and Mortality 14:10-14:42
14:34-14:50	Coffee Break	Coffee Break
14:50-15:30	Invited Speaker VI	
15:30-16:20	Plenary Lecture III	
16:20-17:25	소위원회 보고	
17:25-17:30	Awards Ceremony	
17:30~	Closing Remark	

## SCIENTIFIC PROGRAM DAY 1 September 4th, 2020

Room A

07:55-08:00	Opening Address
08:00-08:40	<b>Free Paper A1 : THA Basics</b>
Chair	Do-Hyun Moon, Dong Hun Suh
08:00-08:08	Is Limb Laterality Associated with A Higher Rate of Total Hip Arthroplasty on The Dominant Side?
	Kwang Woo Nam (Jeju National University)
08:08-08:16	Reliability of Three-dimensional Host Bone Coverage Measurement Using CT Image after Total Hip Arthroplasty for Acetabular Dysplasia
	Sang-Hyun Um (Keimyung University Dongsan Hospital)
08:16-08:24	Is The Initial Construct Stiffness of The Acetabular Cup Affected by Depending on The Direction of The Screw?
	Young Wook Lim (The Catholic University of Korea)
08:24-08:32	Safe Zone for The Placement of Transacetabular Screws in Total Hip Arthroplasty Using An in Vivo Three-dimensional Analysis
	Jun-Young Park (Yonsei University)
08:32-08:40	Relationship of Femoral Offset and Clinical Outcomes of Femoral Neck Fracture Patients Following Bipolar Hip Arthroplasty
	Seung Yup Lee (Dong-A University)
08:40-09:04	<b>Free Paper A2 : ON and Fatigue Fracture of Femoral Head</b>
Chair	Kyung-Hoi Koo, Kee-Hyung Rhyu
08:40-08:48	Natural Course of The Subchondral Fatigue Fracture of The Femoral Head
	Sunhyung Lee (Seoul National University Hospital)
08:48-08:56	High Pelvic Incidence Is Associated with Disease Progression in Non-traumatic Osteonecrosis of The Femoral Head
	Hyuck Min Kwon (Yonsei University)
08:56-09:04	Multiple Small Diameter Drilling for The Femoral Head Preservation in Osteonecrosis of The Femoral Head
	Soong Joon Lee (Seoul National University)
09:04-09:44	<b>Free Paper A3 : THA-Templating and Approach</b>
Chair	Soon Yong Kwon, Je Hyun Yoo
09:04-09:12	Accuracy of Digital Templating in Primary Total Hip and Hemiarthroplasty in Korean Patients for Beginner Hip Surgeon
	Ji-Yong Gwark (Gyeongsang National University)
09:12-09:20	Ideal Cup Position on Digital Images Based on Preoperative Computed Tomography in Cementless THA
	Tae-Young Kim (Konkuk University Medical Center)
09:20-09:28	Dislocation of Hemiarthroplasty after Femoral Neck Fracture: Better Outcome after Short External Rotator Preserving Posterolateral Approach on 307 Consecutive Hips
	Jihyo Hwang (Hallym University)

## SCIENTIFIC PROGRAM DAY 1 September 4th, 2020

Room A

09:28-09:36	Early Experience of Direct Anterior Approach Bipolar Hemiarthroplasty with Unstable Femoral Intertrochanteric Fractures. -Analysis of First 33 Cases-
	Seong-An Lim (Kwangju Christian Hospital)
09:36-09:44	Does Usage of Traction Table Affect Component Positions in Direct Anterior Approach Total Hip Arthroplasty?
	Dong Hee Kim (Jeonbuk National University Hospital)
09:44-10:00	<i>Coffee Break</i>
10:00-10:40	<b>Invited Speaker I</b>
Chair	Kuen Tak Suh, Sang-Soo Lee
10:00-10:15	Spinopelvic Relationship in Total Hip Arthroplasty
	Chun Hoi Yan (Queen Mary Hospital, Hong Kong)
10:15-10:30	Effect of MPBG Combined with sPL on Preserving Hip in Patients with Necrosis of Femoral Head
	Yong Yun Lian (Fourth Affiliated Hospital of Harbin Medical University, China)
10:30-10:40	Discussion (10 min)
10:40-12:00	<b>Plenary Lecture I</b>
Chair	Hee Joong Kim, Gun-Il Im
10:40-11:10	Surgical Options for Patients with Osteoarthritis of the Hip
	Etsuo Chosa (Japanese Hip Society, Japan)
11:10-11:30	1. Technique & Application of Hip preservation Surgery in China 2. Rotational Osteotomy on the Base of Femoral Neck in Treating Osteonecrosis of the Femoral Head
	Hong Zhang (The First Affiliated Hospital of Chinese PLA General Hospital, China)
11:30-11:50	My Early Days Experiences of Vascularized Fibula Grafting for Treatment of Osteonecrosis of the Hip
	Myung Chul Yoo (Kyunghee University)
11:50-12:00	Discussion(10 min)
12:00-12:50	<b>Sponsorship Symposium and Lunch</b>
Chair	Byung- Woo Min
12:00-12:10	The Role for IV Iron in Perioperative Patient Blood Management in Major Orthopedic Surgery
	Jeong-Joon Yoo (Seoul National University Hospital, Korea)
12:10-12:20	Consideration on The Effect of Versatile Zoledronic Acid
	Je Hyun Yoo (Hallym University, Korea)
12:20-12:30	Effect of Teriparatide on Osteoporotic Hip Fracture and BMD
	Kwangkyoun Kim (Konyang University Hospital, Korea)
12:30-12:50	<i>Lunch</i>

## SCIENTIFIC PROGRAM DAY 1 September 4th, 2020

Room A

- 12:50-13:30**  
Chair Taek-Rim Yoon  
**12:50-13:10** **I'm Still A Hip Surgeon : 끝나지 않은 여정**  
Kuen Tak Suh (Sehung Hospital, Korea)
- 13:10-13:30** **My Lifelong Experience of Total Hip Arthroplasty - From Start to Present -**  
Jun-Dong Chang (Hallym University Dongtan Hospital, Korea)
- 13:30-13:54**  
Chair Joon Soon Kang, Jeong-Joon Yoo  
**13:30-13:38** **Mid- to Long-term Clinical Outcomes of Metal on Metal Articulation with Big Head**  
Ho Jin Lee (Kyung Hee University)
- 13:38-13:46** **Incidence of Ceramic Fracture in Contemporary Ceramic-on-ceramic Total Hip Arthroplasty: A Meta-analysis of Proportions**  
Byung-Ho Yoon (Inje University Seoul Paik Hospital)
- 13:46-13:54** **The 18 to 25-year Outcome of The Cementless Metaphyseal Fitting Anatomic Total Hip Arthroplasty with A Ceramic-on-ceramic Articulation in Patients Younger than 30 Years of Age**  
Park Jang Won (Ewha Womans University)
- 13:54-14:34**  
Chair Yoon-Je Cho, Young Kyun Lee  
**13:54-14:02** **Eighteen-year Results of Cementless Total Hip Arthroplasty with Alumina-on-highly Cross-linked Polyethylene Bearings in Patients Younger than Thirty Years of Age**  
Park Jang Won (Ewha Womans University)
- 14:02-14:10** **Cementless Total Hip Arthroplasty using CLS Expansion Cup® : Long-term Outcome with an Average Follow-Duration of 20 Years**  
Heejae Won (Kyungpook National University Hospital)
- 14:10-14:18** **Wear and Osteolysis Outcomes for Highly Cross-linked Polyethylene in Primary Total Hip Arthroplasty Compared with Conventional Polyethylene: a 15- to 18-year Single-centre Follow-up Study**  
Won Chul Shin (Pusan National University Yangsan Hospital)
- 14:18-14:26** **Comparison of Surgical Outcomes between Standard and Elevated-rim Highly Cross-linked Polyethylene Acetabular Liners in Primary Total Hip Arthroplasty with Minimum 15- year Follow-up: Single Center, Retrospective Cohort Study**  
Nam Hoon Moon (Pusan National University Hospital)
- 14:26-14:34** **Total Hip Arthroplasty using Harris-Galante Prosthesis in Patients Younger than Fifty: Average 22-year Follow-up Study**  
Junekyu Kim (Kyungpook National University Hospital)

## SCIENTIFIC PROGRAM DAY 1 September 4th, 2020

Room B

- 14:34-15:06**  
Chair Kyoung Ho Moon, Jihyo Hwang  
**14:34-14:42** **What Are The Real Risk Factors of Early Dislocation after Cementless Primary Total Hip Arthroplasty with 32- or 36-mm Diameter Femoral Head?**  
Dae-Kyung Kwak (Hallym University Sacred Heart Hospital)
- 14:42-14:50** **Dual Mobility Total Hip Arthroplasty in The Treatment of Femoral Neck Fractures: Systematic Review and Meta-analysis**  
Jun-Il Yoo (Gyeongsang National University Hospital)
- 14:50-14:58** **Outcomes of Revision Arthroplasty Using The Modular Dual-mobility Acetabular System for The Treatment of Recurrent Hip Dislocation**  
Chan-Woo Park (Sungkyunkwan University)
- 14:58-15:06** **Results of A Constrained Liner for Prevention and Treatment of Recurrent Dislocation after Total Hip Replacement Arthroplasty**  
Won Hwan Kwon (Inha University Hospital)
- 15:06-15:20** **Coffee Break**
- 15:20-16:00**  
Chair Youn-Soo Park  
**15:20-16:00** **Direct Superior Approach for Total Hip Arthroplasty**  
Seung-Beom Han (Korea University Anam Hospital, Korea)
- 16:00-16:40**  
Chair Jun-Dong Chang, Young-Yool Chung  
**16:00-16:15** **Advances in THA Approaches Reviewed**  
Phonthakorn Paul Panichkul (Bangkok Hospital, Thailand)
- 16:15-16:30** **Development and Experience of Direct Anterior Approach Total Hip Arthroplasty in HK**  
Jason CH Fan (Adult Reconstruction, HKOA, Hong Kong)
- 16:30-16:40** **Discussion (10 min)**
- 16:40-17:30**  
Chair Won-Yong Shon, Joo-Hyoun Song  
**16:40-17:00** **Application of 3D Model and 3D Printer to THA using Anterolateral Approach in the Supine Position**  
Naonobu Takahira (Kitasato University, Japan)
- 17:00-17:20** **1. Total Hip Arthroplasty in Ankylosing Hip**  
**2. Management of the Protusio Acetabuli**  
Mohammad Zaim Chilmi (Dr.Soetomo General Hospital Surabaya, Indonesia)
- 17:20-17:30** **Discussion (10 min)**

## SCIENTIFIC PROGRAM DAY 1 September 4th, 2020

Room B

- 08:00-08:48 **Free Paper B1 : Basic Research**  
Chair Myung-Sik Park, Ho hyun Yun
- 08:00-08:08 **Pathogenic Role of Fibroblast Like Synoviocyte in The Particle Induced Periprosthetic Osteolysis**  
Ashish Ranjan Sharma (Hallym University-Chuncheon Sacred Heart Hospital)
- 08:08-08:16 **Classification of Femur Fracture in Pelvic X-ray Images by Meta-learned Deep Neural Network**  
Yeesuk Kim (Hanyang University)
- 08:16-08:24 **Can BMD Predict Cut Through of Blade Type Lag Screw?**  
Dong-Hyuk Cha (Chosun University Hospital)
- 08:24-08:32 **Pelvic Tilt Measured by Parameters of Anteroposterior Plain Radiographs of Hip: Analysis Using 3D Modeling**  
Sunhyung Lee (Seoul National University Hospital)
- 08:32-08:40 **Accuracy and Reliability of Pelvic Parameters measured on the EOS System**  
Jung-Taek Kim (Ajou University School of Medicine)
- 08:40-08:48 **Changes of Acetabular Anteversion according to Pelvic Tilt on Sagittal Plane under Various Acetabular Inclinations**  
Hee Chan Kim (Daegu Catholic University Medical Center)
- 08:48-09:20 **Free Paper B2 : Hip Arthroscopy**  
Chair Deuk-Soo Hwang, Seung-Hoon Baek
- 08:48-08:56 **Outcomes after Arthroscopic Repair in Patients with Tears of Hypertrophic VS Morphologically Normal Acetabular Labra**  
Jae-Young Lim (Inje University)
- 08:56-09:04 **Effects of Partial Ligamentum Teres Tear with Femoroacetabular Impingement Patients Underwent Hip Arthroscopy - Long Term Follow Up Study**  
Jeong-Kil Lee (Chungnam National University Hospital)
- 09:04-09:12 **Arthroscopic Reduction and Internal Fixation (ARIF) in Hip Fracture-dislocation; Mean 4-year Follow-up**  
Sun-Jung Yoon (Jeonbuk National University Hospital)
- 09:12-09:20 **Incidence and Location of Heterotopic Ossification Following Hip Arthroscopy**  
Jung-Mo Hwang (Chungnam National University Hospital)
- 09:20-09:52 **Free Paper B3 : PAO**  
Chair Jae Suk Chang, Yong-Chan Ha
- 09:20-09:28 **The Effectiveness of Multi-model Blood Management in Bernese Periacetabular Osteotomy and Periacetabular Osteotomy with Proximal Femoral Osteotomy**  
Li-Qiang Zhang (Shanxi Children'S Hospital, Taiyuan, China)
- 09:28-09:36 **Periacetabular Osteotomy in Older Children**  
Ning-Tao Ren (Hip Preservation Group, 4th Medical Center of PLA General Hospital, China)
- 09:36-09:44 **Periacetabular Osteotomy(PAO) for Symptomatic Hip Dysplasia**  
Myung-Sik Park (Hosung Jeonju Hospital)
- 09:44-09:52 **Ischio-pubic Junction Fracture in Patients Who Underwent Periacetabular Osteotomy**  
Kai Xiao (The 4th Medical Center of PLA General Hospital, China)
- 09:52-10:00 **Coffee Break**

## SCIENTIFIC PROGRAM DAY 1 September 4th, 2020

Room B

- 13:30-14:02 **Free Paper B4 : Osteoporosis and Sarcopenia**  
Chair Ye-Yeon Won, Seung-Jae Lim
- 13:30-13:38 **Response of Bone Mineral Density & Bone Turnover Marker Using Teriparatide in Patients with Osteoporosis & Hip Fracture**  
Eung-Kyoo Park (Kyungpook National University Hospital)
- 13:38-13:46 **Treatment of Atypical Femur Fractures Using Intramedullary Nails – Analysis of The Causes of Delayed and Nonunion -**  
Jeongduk Suh (Daegu Fatima Hospital)
- 13:46-13:54 **Changes in Whole-body Dual Energy X-ray Absorptiometry and Prevalence of Sarcopenia after Hip Fracture in Korean Patients: A Longitudinal Study**  
Jung Wee Park (Chung-Ang University Hospital)
- 13:54-14:02 **Post-operative Physical Performance Factors Associated with Gait Speed in Patients Surgically Treated for Hip Fracture: A Cross-sectional Study**  
Kwang Woo Nam (Jeju National University Hospital)
- 14:02-14:34 **Free Paper B5 : Pelvic Disorder and Fracture**  
Chair Jong Oh Kim, Kwangkyoun Kim
- 14:02-14:10 **Iliacus Hematoma Syndrome: A Systematic Review of Recent Literature**  
Seung-Ju Kim (Hanil General Hospital)
- 14:10-14:18 **Is There A Correlation between The Fragility Fracture of Pelvis and Morphologic Shape of The True Pelvic Ring in Geriatric Patients?**  
Se-Won Lee (The Catholic University of Korea)
- 14:18-14:26 **Biomechanical Comparison of Four Different Fixation Methods for Both-column Acetabular Fracture Models with Quadrilateral Surface Fragment**  
Dae-Kyung Kwak (Hallym University Sacred Heart Hospital)
- 14:26-14:34 **Outcomes of Surgical Management of T-type Acetabular Fractures**  
Hwan-Hee Lee (Daejeon St. Mary's Hospital, The Catholic University of Korea)
- 14:34-15:06 **Free Paper B6 : Pertrochanter Fx1: What Is The Optimal Treatment?**  
Chair Kang-Sup Yoon, Youngho Cho
- 14:34-14:42 **High Fixation Failure Rate of Cephalomedullary Fixation in Patients with Low-energy Basicervical Peritrochanteric Fractures: Do We Need Extra-medullary Reduction?**  
Sang-Hyun Um (Keimyung University Dongsan Hospital)
- 14:42-14:50 **Effectiveness of Valgus Reduction Technique in Basicervical Proximal Femoral Fractures**  
Jae-Hyeon Jeon (Chungbuk University Hospital)
- 14:50-14:58 **Comparison of The Possibility of Open Reduction of AO/OTA A2.2 and A2.3 Fracture and Contrast on Reduction Quality**  
Seungbae Oh (The Catholic University of Korea, St. Vincent's Hospital)
- 14:58-15:06 **Clinical Outcome Regarding Intramedullary Nailing for The Treatment of intertrochanteric Fracture and Risk Factor Analysis On Surgical Complications**  
Jae Youn Yoon (Dongguk University Ilsan Hospital)
- 15:06-15:20 **Coffee Break**

## SCIENTIFIC PROGRAM DAY 2 September 5th, 2020

Room A

- 08:00-08:56 **Free Paper A7 : Arthroplasty: Stem**  
Chair Doo-Hoon Sun, Suc Hyun kweon
- 08:00-08:08 **The Result of Trilock-bps Stem by Dorr Classification: Analysis of 207 Hips with Average 4.3 Years of Follow-up**  
Soong Joon Lee (SMG-SNU Boramae Medical Center)
- 08:08-08:16 **Better Bone Preservation after Bipolar Hemiarthroplasty with Shorter Femoral Stem in Elderly Patients with Femoral Neck Fracture**  
Jae-Young Lim (Inje University Haeundae Paik Hospital)
- 08:16-08:24 **Comparison of Thigh Pain and Bone Mineral Density: Medium-short Stem Versus Conventional Length Stem**  
Seok-Hyung Won (Seoul National University Bundang Hospital)
- 08:24-08:32 **Survivorship of Polished Cemented Femoral Stem in Hybrid Total Hip Arthroplasty : 14-18 Year Results of The Cemented Polished Versys Heritage Femoral Stem**  
Woon-Kim (Korea University Guro Hospital)
- 08:32-08:40 **Long-term Outcome of Hybrid Total Hip Arthroplasty Using Contemporary Cementing Technique**  
Jee-Wook Yoon (Kyungpook National University Hospital)
- 08:40-08:48 **Mid- to Long-term Results of Extensively Porous Coated Cylindrical Stems for Revision Total Hip Arthroplasty**  
Kangbaek Kim (Seoul National University Hospital)
- 08:48-08:56 **Impacted Cancellous Allograft and Cement for Femoral Revision Total Hip Arthroplasty**  
Keon-Rok Kim (Wonkwang University Hospital)
- 08:56-09:44 **Free Paper A8 : THA: Specific Situations**  
Chair Shin-Yoon Kim, Kye Young Han
- 08:56-09:04 **Clinical Results of Total Hip Arthroplasty according to Position of Acetabular Cup in Hip Dysplasia**  
Woo-Lam Jo (Catholic University of Korea)
- 09:04-09:12 **Analysis of Three-dimensional Host Bone Coverage in 10 Years after Total Hip Arthroplasty for Acetabular Dysplasia**  
Sang-Hyun Um (Keimyung University Dongsan Hospital)
- 09:12-09:20 **Acetabular Cup Migration after Primary Cementless Total Hip Arthroplasty in Rheumatoid Arthritis and Its Influencing Factors: A Comparative Study with Osteoarthritic Hip**  
Jun-Ki Moon (Hanyang University Guri Hospital)
- 09:20-09:28 **Total Hip Arthroplasty Following Osteosynthesis of Acetabular Fracture: A Comparative Study with Proximal Femur Fracture**  
Jun-Ki Moon (Hanyang University Guri Hospital)
- 09:28-09:36 **Conversion Total Hip Arthroplasty Following Cephalomedullary Nail Fixation: A Comparative Study with Compression Hip Screw Fixation**  
Jun-Ki Moon (Hanyang University Guri Hospital)

## SCIENTIFIC PROGRAM DAY 2 September 5th, 2020

Room A

- 09:36-09:44 **Cementless Total Hip Arthroplasty for Failed Treatment of The Subtrochanteric Fracture**  
Jin Shengyu (Chonnam National University)
- 09:44-10:00 **Coffee Break**
- 10:00-10:40 **Invited Speaker III**  
Chair Jun-Shik Kim, Woo-Suk Lee
- 10:00-10:15 **Complex Primary Case with Corail**  
Xin Qi (The First Affiliated Hospital of Jilin University, China)
- 10:15-10:30 **My Learning Curve and Outcome with a New Cup- & Stem System**  
Marco Ezechieli (Hannover Medical School, Germany)
- 10:30-10:40 **Discussion (10 min)**
- 10:40-11:20 **Invited Speaker IV**  
Chair Joong-Myung Lee, Young Soo Chun
- 10:40-10:55 **Ceramic Bearings in THA: Here to Stay**  
Martin Zimmermann (CeramTec, Germany)
- 10:55-11:10 **What is MAKO's Hip Technology Benefit to Patients?**  
Robert C. Cohen (Stryker Orthopaedics, USA)
- 11:10-11:20 **Discussion (10 min)**
- 11:20-12:00 **Invited Speaker V**  
Chair Young-Ho Kim, Hyun Cheol Oh
- 11:20-11:35 **Challenge in Total Hip Arthroplasty for Hip Ankylosis (Fused Hip)**  
Iwan Budian Anwar (Universitas Sebelas Maret, Surakarta, Indonesia)
- 11:35-11:50 **Comparative Analysis of First and Second Stages of Total Hip Arthroplasty for Patients with Tuberculosis of The Hip**  
Dicky Mulyadi (Faculty of Medicine Universitas Padjadjaran, Indonesia)
- 11:50-12:00 **Discussion**
- 12:00-12:50 **Sponsorship Symposium and Lunch**  
Chair Kang-Sup Yoon
- 12:00-12:10 **BENCOX Modular Revision Hip System: Confidence in Your Hands**  
Corentec Seung-Hoon Baek (Kyungpook National University, Korea)
- 12:10-12:20 **Romozumab, A New Bone Anabolic Treatment Option for Osteoporosis**  
Amgen Korea Kyung Jae Lee (Keimyung University, Korea)
- 12:20-12:30 **낙소졸 - 복합제 사용의 당위성 및 임상적 유효성**  
Hanmi Pharm.co.ltd Kwan Kyu Park (Yonsei University, Korea)
- 12:30-12:50 **Lunch**
- 12:50-13:30 **Special Lecture II**  
Chair Taek-Rim Yoon
- 12:50-13:10 **인공고관절 전치환술의 경험 33년**  
Joong-Myung Lee (Wiltse Memorial Hospital, Korea)
- 13:10-13:30 **고관절과 함께한 30년 : 무엇을 배웠는가?**  
Young-Ho Kim (Hanyang University Guri Hospital, Korea)

## SCIENTIFIC PROGRAM DAY 2 September 5th, 2020

Room A

- 13:30-14:02 **Free Paper A9 : THA: PJI and Readmission**  
Chair Taek-Rim Yoon, Kwang-Jun Oh
- 13:30-13:38 **The Effect of Povidone-Iodine Lavage in Preventing Infection after Total Hip and Knee Arthroplasties: Systematic Review and Meta-analysis**  
Chul-Ho Kim (Gachon University Gil Medical Center)
- 13:38-13:46 **Single-stage Acetabular Revision with Retention of The Well-fixed Cementless Stems in Chronic Periprosthetic Joint Infection of The Hip**  
Chan-Woo Park (Sungkyunkwan University)
- 13:46-13:54 **Screws with Acetabular Cement Spacer for Treatment of Periprosthetic Hip Infection**  
Jingyao Jin (Chonnam National University)
- 13:54-14:02 **Clinical Outcome Analysis on 30 and 90-day Readmission Rate Following Total Hip Arthroplasty**  
Jae Youn Yoon (Dongguk University Ilsan Hospital)
- 14:02-14:34 **Free Paper A10 : THA: Periprosthetic Fracture**  
Chair Ick-Hwan Yang, Jai Hyung Park
- 14:02-14:10 **Prevalence and Outcomes of Intraoperative Periprosthetic Acetabular Fractures in Cementless Total Hip Arthroplasty: A Prospective Three-Dimensional CT-based Study**  
Ji-Hoon Bahk (The Catholic University of Korea)
- 14:10-14:18 **Occult Periprosthetic Femoral Fractures Occur Frequently during A Long, Trapezoidal, Double-tapered Cementless Femoral Stem Fixation in Primary THA**  
Cheon Seung Hee (VHS Medical Center)
- 14:18-14:26 **A Larger Coronal Taper Angle Increases The Risk of Intraoperative Femoral Calcar Fractures during Hip Arthroplasty for Femoral Neck Fractures**  
Saehun Choe (Korea University Anam Hospital)
- 14:26-14:34 **Treatment of Vancouver B2 and B3 Periprosthetic Femoral Fractures**  
Jun-Ki Moon (Hanyang University Guri Hospital)
- 14:34-14:50 **Coffee Break**
- 14:50-15:30 **Invited Speaker VI**  
Chair Kang-Sup Yoon, Seung-Beom Han
- 14:50-15:05 **Stem Reimplantation in Revision THR**  
Cheng-Fong Chen (Taipei Veterans General Hospital, Taiwan)
- 15:05-15:20 **Fungal Periprosthetic Joint Infection : An Endless Nightmare**  
Yuhan Chang (Chang Gung Memorial Hospital, Linkou, Taiwan)
- 15:20-15:30 **Discussion (10 min)**

## SCIENTIFIC PROGRAM DAY 2 September 5th, 2020

Room A

- 15:30-16:20 **Plenary Lecture III**  
Chair Myung Chul Yoo, Myung-Rae Cho
- 15:30-15:50 **Survival Analysis of Allografting and Antiprotusio Cage in Treating Massive Acetabular Defects**  
Mel S Lee (Chang Gung Memorial Hospital, Kaohsiung, Taiwan)
- 15:50-16:10 **Single-stage Revision Combined with Intraarticular Antibiotics Infusion for Chronic PJI of Hip**  
Cao Li (The First Affiliated Hospital of Xinjiang Medical University, China)
- 16:10-16:20 **Discussion (10 min)**
- 16:20-17:20 **소위원회 보고 (Korean)**  
Chair Taek-Rim Yoon
- 16:20-16:28 **편집위원회**  
Kyung Jae Lee (Keimyung University, Korea)
- 16:28-16:36 **보험위원회**  
Seong-Eun Byun (Cha University, Korea)
- 16:36-16:44 **국제협력위원회**  
Kwan Kyu Park (Yonsei University, Korea)
- 16:44-16:52 **사료편찬위원회**  
Young Wook Lim (The Catholic University of Korea, Korea)
- 16:52-17:00 **학회발전위원회**  
Woo Lam Jo (The Catholic University of Korea, Korea)
- 17:00-17:08 **사이버위원회**  
Jun-Il Yoo (Gyeongsang National University Hospital, Korea)
- 17:08-17:11 **진료지침 위원회**  
Soong Joon Lee (Seoul National University, Korea)
- 17:11-17:14 **관절보존 연구위원회**  
Jung-Mo Hwang (Chungnam National University Hospital, Korea)
- 17:14-17:17 **골절 연구 위원회**  
Kwang Woo Nam (Jeju University, Korea)
- 17:17-17:20 **골다공증-근 감소증 연구위원회**  
Byung Ho Yoon (Inje University, Korea)
- 17:20-17:25 **Awards Ceremony**
- 17:25~ **Closing Remark**

## SCIENTIFIC PROGRAM DAY 2 September 5th, 2020

Room B

- 08:00-08:56 **Free Paper B7 : Femur Neck Fx: What Is The Optimal Treatment?**  
Chair Hyung-Ku Yoon, Hyunchul Shon
- 08:00-08:08 Biomechanical Evaluation of Traditional Internal Fixation Versus New Design Implant in Pauwels Type III Femoral Neck Fracture  
Yong-Uk Kwon (Busan Paik Hospital)
- 08:08-08:16 Posterior Fully Threaded Positioning Screw Prevents Femoral Neck Collapse in Garden I Or II Femoral Neck Fracture  
Kyun-Ho Shin (Korea University Anam Hospital)
- 08:16-08:24 Short-term Outcomes of Femur Neck Fractures Treated with Femur Neck System(FNS)  
Hoejeong Chung (Yonsei University, Wonju)
- 08:24-08:32 Osteonecrosis of The Femoral Head after Femoral Neck Fracture Treated with Multiple Pinning  
Daeon Kim (Kyung Hee University Hospital at Gangdong, Kyung Hee University)
- 08:32-08:40 Retrospective Study of The Comparison of The Incidence of Osteoarthritis along Joint Incongruity in Mid-term Follow Up of Femoral Neck Fracture Patients  
Hyungtae Kim (Sanggye Paik Hospital)
- 08:40-08:48 Osteosynthesis of Femur Neck Fracture Who Are Over 70 Years Old: Is It Justified?  
Hyun-joo Park (Inje University Ilsan Paik Hospital)
- 08:48-08:56 Multiple Screw Fixation Versus Cementless Bipolar Hemiarthroplasty for Treating Femoral Neck Fracture : A Case Control Study from a Nationwide Hip Fracture Registry  
Jin-Woo Kim (Eulji University)
- 08:56-09:44 **Free Paper B8 : Pertrochanter Fx2:What is The Optimal Treatment?**  
Chair Sang Won Park, Kwang Woo Nam
- 08:56-09:04 Outcome of Dynamic Hip Screw Treatment for Unstable Intertrochanteric Femoral Fracture: A One-year Follow-up  
Sunhyung Lee (Ulsan University)
- 09:04-09:12 Implication of The Diameter of Proximal Femoral Nail for The Treatment of The Intertrochanteric Femoral Fracture of The Elderly  
Kee Hyung Rhyu (Kyung Hee University)
- 09:12-09:20 Clinical Result of Intertrochanteric Fracture Treated with TFNA as Compare to PFNA : Preliminary Report with Propensity Score Matching  
Hyun-Bai Choi (Chosun University Hospital)
- 09:20-09:28 Mid-term Outcomes after Intramedullary Fixation of Intertrochanter Femoral Fractures Using The Compression Hip Nail (CHN)  
Byung-Woong Jang (Soonchunhyang University Hospital)
- 09:28-09:36 Comparison of The U-blade Gamma3 Nail and The Gamma3 Nail in The Treatment of Intertrochanteric Fracture  
Hyung-Gon Ryu (Seoul Medical Center)

## SCIENTIFIC PROGRAM DAY 2 September 5th, 2020

Room B

- 09:36-09:44 Comparison of The U-blade Gamma3 Nail and The Zimmer Natural Nail in The Treatment of Intertrochanteric Fracture  
Hyung-Gon Ryu (Seoul Medical Center)
- 09:44-10:00 *Coffee Break*
- 13:30-14:10 **Free Paper B9 : Hip Fracture and Morbidity**  
Chair Suk Kyu Choo, Gyu Min Kong
- 13:30-13:38 Risk Of Hip Fractures in Diabetic Patients over 50 Years Old according to Diabetes Duration: A Korean National Cohort Study  
Youngwoo Kim (The Catholic University of Korea)
- 13:38-13:46 Can Early Surgery Reduce Requirement of Red Blood Cell Transfusion in Elderly Intertrochanteric Fracture?  
Keong-Hwan Kim (Kangwon National University Hospital)
- 13:46-13:54 Early Postoperative Hypoalbuminemia Is A Predictor for Development of Postoperative Pneumonia Following Hip Fracture Surgery  
Kyun-Ho Shin (Korea University Anam Hospital)
- 13:54-14:02 The Incidence of Acute Kidney Injury after Hip Fracture Surgery in Organ Transplant Recipients  
Jun-Ki Moon (Hanyang University Guri Hospital)
- 14:02-14:10 Association of Sarcopenia with Dysphagia Diagnosed by Videofluoroscopic Swallow Study in Patients with Fragility Hip Fracture: Prospective Observational Study  
Chan Ho Park (Yeungnam University Medical Center)
- 14:10-14:42 **Free Paper B10 : Hip Fracture and Mortality**  
Chair Han Suk Ko, Tae Young Kim
- 14:10-14:18 Mortality Rates of Hip Fracture Patients with Nonoperative Treatment  
Joonha Lee (Bundang Jesaeng General Hospital)
- 14:18-14:26 Effect of Antidepressant and Benzodiazepine on All-cause Mortality in Elderly Hip Fracture according to Psychiatric Medicaiton History : A Korean Nationwide Cohort Study  
Yong-Han Cha (Eulji University Hospital)
- 14:26-14:34 Effect of Opioid on All-cause Mortality and Opioid Addiction in Elderly Patients with Hip Fracture  
Jun-Il Yoo (Gyeongsang National University Hospital)
- 14:34-14:42 Mortaility and Its Risk Factors in Dialysis with Hip Fracture  
Gu-Min Jeong (Eulji University)
- 14:42-14:50 *Coffee Break*

## E-POSTER LIST

- EP-001**    **Finite Element Analysis of Stress Concentration on Early Stage of Osteonecrosis of Femoral Head**  
Young Wook Lim (The Catholic University of Korea, Korea)
- EP-002**    **Osteonecrosis of femoral head following intertrochanteric fractures**  
Chan-Soo Lee (Dong-A University, Korea)
- EP-003**    **Pre-contoured whole bone plate Fixation for Incomplete Atypical Diaphyseal Fracture of Femur using Three-dimensional Printing: Two-case Reports**  
Jee-Wook Yoon (Kyungpook National University, Korea)
- EP-004**    **A retrospective bicenter comparative study of surgical outcomes of atypical femoral fracture: Potential effect of teriparatide on fracture healing and callus formation**  
Nam Hoon Moon (Pusan National University, Korea)

## E-POSTER LIST

- EP-005**    **Factors affecting compliance with Weight-Bearing Restriction during Gait Training in the elderly with Femur and Pelvic Fractures**  
Kyoung-Tae Min (Chungbuk National University, Korea)
- EP-006**    **Clinical and radiologic results of total hip arthroplasty in patients with avascular osteonecrosis of femoral head and with fixation failure of femoral neck fracture - Minimum 2 years follow up**  
Sin Hyung Park (Soonchunhyang University, Korea)
- EP-007**    **Extraction of well-fixed Cementless stems using a novel modified Wagner osteotomy procedure**  
Yoshihiro Nakamura (University of Miyazaki, Japan)
- EP-008**    **Impaction Bone Grafting with Cemented Stem in Femoral Stem Revision with Severe Bone Defect**  
Joon Hong Park (Kyung Hee University, Korea)

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#### STEP 1

- 학술대회페이지에서 로그인 ⇨ ‘Scientific Program’ 메뉴에서 ON AIR LIVE STREAM 버튼 클릭  
로그인요청 시 사전등록정보 (영문성명/이메일) 입력

#### STEP 2

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- 세션 종료 5분 후까지 Check out 가능, **미퇴실시 해당 세션 시청시간 불인정**
- 세션과 세션사이 브레이크가 없을 시, **시작 및 종료 시간에 맞추어 Check In/Out 클릭 후 바로 Check In/Out클릭**

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- 1시간 미만 : **1평점 인정 불가**
- 1시간 이상 2시간 미만 ⇨ **1평점**
- 2시간 이상 3시간 미만 ⇨ **2평점**
- 3시간 이상 4시간 미만 ⇨ **3평점**
- 4시간 이상 5시간 미만 ⇨ **4평점**
- 5시간 이상 6시간 미만 ⇨ **5평점**
- 6시간 이상 ⇨ **6평점**

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# 2020 KHS

The International Congress  
of the Korean Hip Society The 64<sup>th</sup> Annual Meeting



**The Korean Hip Society**

**2020 International Congress of the Korean Hip Society (ICKHS) Secretariat The 64th Annual Meeting  
September 4 to 5, 2020, Online Congress, Republic of Korea.**

**Sang-Min Kim, MD, Ph.D.**

Executive Secretary, the Korean Hip Society (KHS), 2020-2021, Clinical Associate Professor  
Korea University College of Medicine, Guro Hospital, Seoul, Republic Korea

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