

The 27th Congress of Korean Shoulder and Elbow Society

Date.

March 29th (Fri) ~ 30th (Sat), 2019

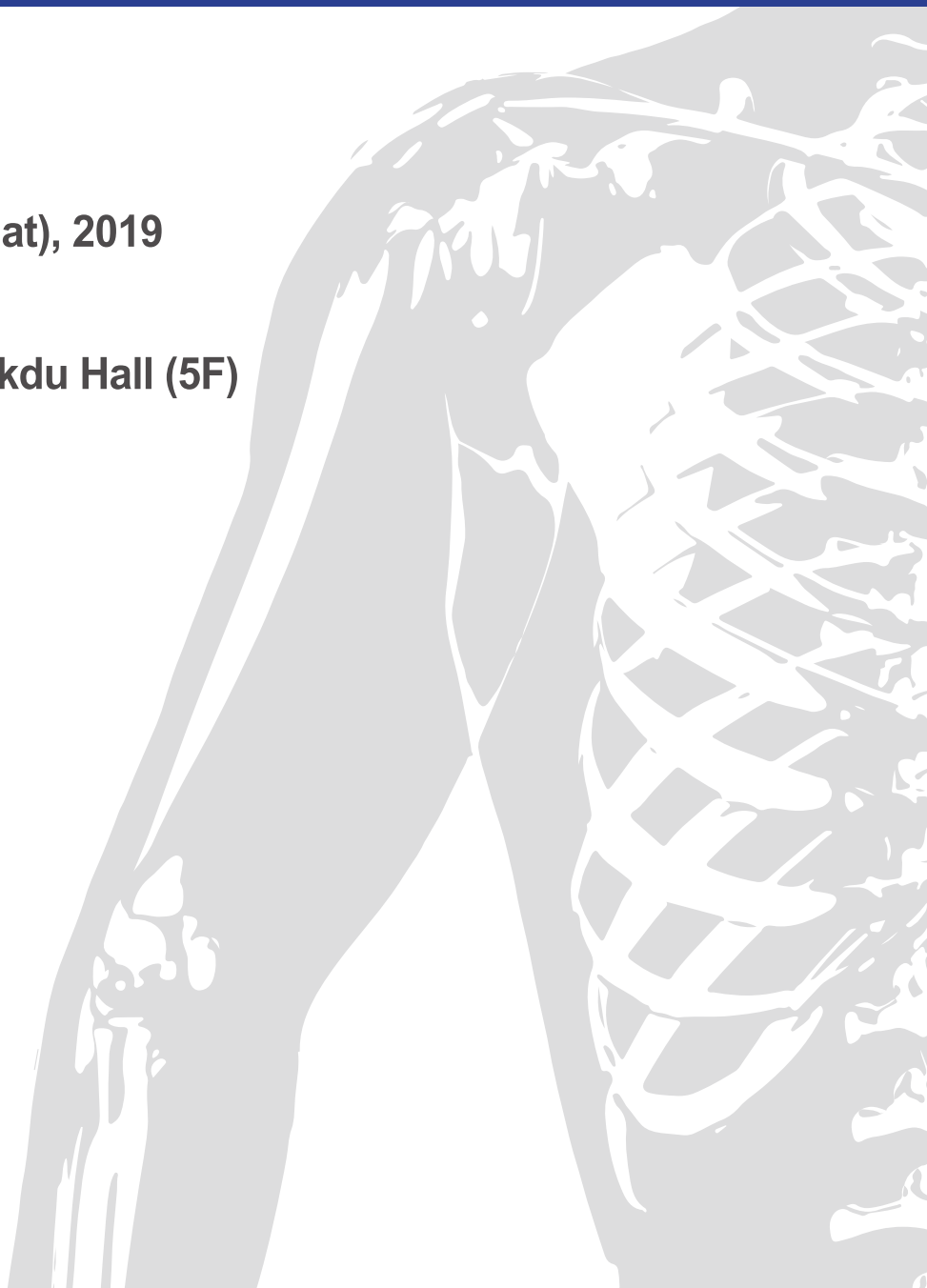
Congress Venue.

Seoul Dragon City Baekdu Hall (5F)



www.kses.or.kr

KOREAN SHOULDER AND ELBOW SOCIETY



The 9th "Shoulder Joint Day" Ceremony of the Korean Shoulder and Elbow Society (KSES)

Date & Time. 11:55 AM, March 29th (Fri), 2019

Place. Grand Ballroom Baekdu, Fifth Floor of Convention Tower, Seoul Dragon City

PROGRAM

Moderator: Secretary, Public Education and Media Relations Committee of KSES **Nam-Su Cho**

11:55~12:00 Opening Remark and Introduction to the "Shoulder Joint Day"

Chairman, Public Education and Media Relations Committee of KSES **Chul-Hong Kim**

12:00~12:05 Ceremony of Appointment as an Honorary Ambassador and Photo

President, The Korean Shoulder and Elbow Society **Yon-Sik Yoo**

12:05~12:15 Congratulatory Address

Honorary Ambassador for the 9th "Shoulder Joint Day" 2019

Host. Korean Shoulder and Elbow Society

Sponsor. Ministry of Health and Welfare, Korean Medical Association, Korean Orthopaedic Association

Dear Members of the Korean Shoulder and Elbow Society

New Year's Day and the first month of 2019 have quickly passed. As spring is nearing, I am pleased to announce the 27th Korean Shoulder and Elbow Society Spring Conference at Seoul Dragon City in March 29-30, 2019. This upcoming conference will be a good opportunity to gain the latest knowledge in the field of shoulder and elbow joints through academic exchanges in various areas of the shoulder and elbow. Furthermore, our annual meeting will be a very enriching time not only for professors specializing in the shoulder and elbow joints but also for clinicians and orthopedic trainees. Since the meeting covers the areas of the practical expertise experienced in clinical practice as well as the latest knowledge gained through cutting-edge research will be covered during the conference.

The Korean Shoulder and Elbow Society has made remarkable progress thanks to the dedicated efforts and support of its members and has developed into not only one of the most solidly established academic associations in Korea, but also as a reputable society with internationally outstanding academic achievements and capabilities. Many renowned domestic and overseas lecturers, including Dr. Savoie from USA and Dr. Sugamoto and Dr. Hata from Japan, will be attending this conference. I would like to extend my sincere appreciation to all members who will present their valuable scientific outcomes obtained through clinical practice and research. I would also like to take this opportunity to express my deepest gratitude to the scientific committee, former president and secretary generals, and director of general affairs of our society for all the hard work and dedication for the preparation of this spring conference.

President of the Korean Shoulder and Elbow Society

Yon-Sik Yoo

PROGRAM AT A GLANCE

The 27th Congress of Korean Shoulder and Elbow Society

Room A - March 29 th , 2019 (Friday)	
07:30-08:00	Registration
08:00-08:05	Opening Speech
08:05-08:45	Free Papers 1. Rotator cuff 1 (Korean)
08:45-09:45	Symposium I. Debate session
09:45-10:05	Coffee Break
10:05-10:35	Plenary Lecture 1
10:35-11:15	Free Papers 4. Instability 1 (Korean)
11:15-11:55	Free Papers 6. Arthritis & Arthroplasty 1 (English)
11:55-12:15	The Shoulder Ambassador Ceremony
12:15-13:20	Luncheon Symposium (sponsored by Pfizer)
13:20-13:40	Plenary Lecture 2
13:40-14:20	Free Papers 8. Rotator cuff 4 (English)
14:20-15:00	Free Papers 9. Rotator cuff 5 (English)
15:00-15:40	Free Papers 10. Basic 1 (English)
15:40-16:00	Coffee Break
16:00-16:20	Plenary Lecture 3
16:20-17:00	Free Papers 11. Rotator cuff 7 (Korean)
17:00-17:40	Free Papers 13. Arthritis & Arthroplasty 2 (Korean)
17:40-17:50	Paper presentations by travelling fellows from Japan
17:50-18:05	Travelling Fellow Report
18:30-	President Dinner (Attire: Please, wear or hold anything that is "Yellow") Seoul Dragon City Shilla Hall (3F)

PROGRAM AT A GLANCE

The 27th Congress of Korean Shoulder and Elbow Society

Room B - March 29th, 2019 (Friday)

07:30-08:00	Registration
08:00-08:05	Opening Speech (A Room)
08:05-08:45	Free Papers 2. Rotator cuff 2 (Korean)
08:45-09:25	Free Papers 3. Miscellaneous 1 (English)
09:25-09:45	
09:45-10:05	Coffee Break
10:05-10:35	
10:35-11:15	Free Papers 5. Rotator cuff 3 (Korean)
11:15-11:55	Free Papers 7. Elbow 1 (English & Korean)
11:55-12:15	
12:15-13:20	Luncheon Symposium (A Room)
13:20-13:40	
13:40-15:40	Basic Research Committee Workshop
15:40-16:00	Coffee Break
16:00-16:20	
16:20-17:00	Free Papers 12. Basic 2 (Korean)
17:00-17:40	Free Papers 14. Trauma 1 (Korean)
18:30-	President Dinner (Attire: Please, wear or hold anything that is "Yellow") Seoul Dragon City Shilla Hall (3F)

PROGRAM AT A GLANCE

The 27th Congress of Korean Shoulder and Elbow Society

Room A - March 30 th , 2019 (Saturday)	
08:05-08:45	Free Papers 15. Award session
08:45-09:15	Plenary Lecture 4
09:15-10:10	Symposium II. The 'three' cases that made my current surgical technique
10:10-10:30	Coffee Break
10:30-11:10	Free Papers 18. Rotator cuff 8 (English)
11:10-11:50	Free Papers 19. Miscellaneous 2 (English)
11:50-12:10	Plenary Lecture 5
12:10-13:00	Luncheon Symposium (sponsored by LG Chem)
13:00-14:00	Symposium III. Causes and treatments for shoulder pain
14:00-14:55	Industry session
14:55-15:15	Coffee Break
15:15-16:45	Symposium IV. Scapular symposium
16:45-16:50	2020 Turkish National Congress of Shoulder and Elbow Surgery : Korea as a guest nation
16:50-17:10	President Lecture
17:10-17:15	Best Presentation Award, Cheong Gang Award, Best Academic Paper Award
17:15-17:45	Business Meeting
17:45-17:50	Closing Remark

PROGRAM AT A GLANCE

The 27th Congress of Korean Shoulder and Elbow Society

Room B - March 30th, 2019 (Saturday)

08:05-08:45	Free Papers 16. Instability 2 (English)
08:45-09:15	
09:15-09:55	Free Papers 17. Rotator cuff 7 (Korean)
09:55-10:10	
10:10-10:30	Coffee Break
10:30-11:50	Insurance and Policy Committee Workshop
11:50-12:10	
12:10-13:00	Luncheon Symposium (A Room)
13:00-14:15	CiSE Journal Workshop
14:15-14:55	Free Papers 20. Miscellaneous 3 (Korean & English)
14:55-15:15	Coffee Break
15:15-15:55	Free Papers 21. Elbow 2 (Korean)
17:45-17:50	Closing Remark (A Room)

Basic Research Committee Workshop

Date and Time. **March 29th, 2019 (Fri) 13:40-15:40**

Venue. **Room B**

Chairman: The Catholic Univ. **Jin Young Jeong** / Seoul National Univ. **Hyun Chul Cho**

13:40-14:05 3차원 컴퓨터 시뮬레이션 프로그램을 이용한 견주관절의 생역학연구

Sungkyunkwan Univ. **Yu-Jin Kim**

14:05-14:30 Image J와 ITK-SNAP을 이용한 shoulder modeling

Wonju Yonsei Univ. **Doo Seop Kim**

14:30-14:55 Medical image analysis using shoulder CT and MRI

Kyungpook National Univ. **Jong Pil Yoon**

14:55-15:20 3D imaging을 이용한 arthroplasty의 kinematics 연구

Hanyang Univ. **Bonggun Lee**

15:20-15:40 Discussion

Insurance and Policy Committee Workshop

Date and Time. **March 30th, 2019 (Sat) 10:30-11:50**

Venue. **Room B**

Chairman: Hallym Univ. **Kyu Cheol Noh** / Chung-Ang Univ. **Jae Yoon Kim**

10:30-10:50	건강보험 보장성 강화 추진 현황	Benefit Coverage Department Benefit Innovation Division Mi Ju Jeon
10:50-11:10	신포괄수가제 현황	DRG Department DRG Development Division Mi Young Kim
11:10-11:30	보험삭감 알쓸신잡	Hallym Univ. Yong Beom Lee
11:30-11:50	Discussion	

CiSE Journal Workshop

Date and Time. **March 30th, 2019 (Sat) 13:00~14:15**

Venue. **Room B**

Chairman: Gachon Univ. **Young Kyu Kim** / The Catholic Univ. **Hyun Seok Song**

13:00-13:15	타 학술지의 그림 사용에 있어서 표절	Keimyung Univ. Chul-Hyun Cho
13:15-13:30	임상연구심사위원회 제출 자료 준비	Yonsei Univ. Yong Min Chun
13:30-13:45	연구 논문에서의 표본수 산정	Wonju Yonsei Univ. Doo Seop Kim
13:45-14:00	Propensity score를 이용한 연구	Gachon Univ. Kyu-Hak Jung
14:00-14:15	Discussion	

Room A - March 29th, 2019 (Friday)

07:30-08:00 Registration
08:00-08:05 Opening Speech

President **Yon-Sik Yoo**

08:05-08:45 Free Papers 1. Rotator cuff 1 (Korean) Dankook Univ. **Joongbae Seo** / Wonju Yonsei Univ. **Doo Seop Kim**

08:05-08:10 19-187 Treatment of subscapularis tendon partial tear incidentally found during arthroscopic surgery
¹Inje Univ., ²Dong-A Univ. **Jin Young Bang**¹, Jung-Han Kim¹, Young-Bok Kim¹, Young-min Noh²

08:10-08:15 19-124 Clinical and radiological outcome according to degree of subscapularis tendon tear after arthroscopic subscapularis repair
¹Inje Univ., ²Dong-A Univ. **Jung-Han Kim**¹, Young-Bok Kim¹, Jin Young Bang¹, Young-min Noh²

08:15-08:20 19-116 Effects of anterior disruption of rotator cable on rotator cuff tears combined with full-thickness subscapularis tears
Gachon Univ. Young Kyu Kim, **Kyu-Hak Jung**, Jin-Hun Hong, Won-Seok Kim, Seung-Hyun Baek

08:20-08:25 19-109 Arthroscopic subscapularis repair using single-row mattress suture technique: clinical results and structural integrity
¹Sungkyunkwan Univ., ²Hallym Univ. Jae Chul Yoo¹, **Hyun Bo Sim**¹, Jeung Yeol Jeong²

08:25-08:30 19-045 Arthroscopic repair of the isolated subscapularis full-thickness tear: single-row versus double-row suture-bridge technique
Yonsei Univ. Yong Min Chun, **Tae-Hwan Yoon**, Ji-Sang Yoon, Sung Jae Kim

08:30-08:35 19-010 Clinical outcomes and tendon integrity in patients with chronic retracted subscapularis tear after arthroscopic single-row oblique mattress suture repair technique
Ewha Womans Univ. Sang-Jin Shin, **Sang-hyeon Lee**

08:35-08:45 Discussion

08:45-09:45 Symposium I. Debate session TK Orthopaedic Clinic **Suk Kee Tae** / Chung-Ang Univ. **Jae Yoon Kim**

08:45-08:57 AC-CC type III injury: Nonoperative vs. Operative Inje Univ. **Suk-Hwan Jang**, Hallym Univ. **Yong Beom Lee**

08:57-09:09 Massive tear with pseudoparalysis: Options other than rTSA vs. Reverse TSA
Jeju National Univ. **Sung Wook Choi**, Eulji Univ. **Tae Kang Lim**

09:09-09:21 Subscapularis leading edge tear: Repair vs. Debridement Soonchunhyang Univ. **Yong Bok Park**, Dong-A Univ. **Young-min Noh**

09:21-09:33 Biceps pathologies: Debridement vs. Tenotomy or tenodesis Inje Univ. **Jin Young Bang**, The Catholic Univ. **Hyo-Jin Lee**

09:33-09:45 Discussion

09:45-10:05 **Coffee Break**

10:05-10:35 Plenary Lecture 1 Kyung Hee Univ. **Yong Girl Rhee** / Sungkyunkwan Univ. **Jae Chul Yoo**

10:05-10:25 Revision rotator cuff repair: lessons to be learned from failed prior surgery Tulane Univ. **Felix H. "Buddy" Savoie III**

10:25-10:35 Discussion

10:35-11:15 Free Papers 4. Instability 1 (Korean) Madi Hospital **Seung-Ho Kim** / Kyungpook National Univ. **Jong Pil Yoon**

10:35-10:40 19-169 Comparison of the difference according to presence of glenoid rim fracture in revisional bankart repair
¹Neon Orthopaedic Clinic, ²Konkuk Univ. Jin Young Park¹, **Jae Hyung Lee**¹, Ju Yong Park¹, Seok Won Chung², Kyung-Soo Oh²

10:40-10:45 19-155 Long term follow-up of arthroscopic bankart repair for recurrent shoulder dislocation
Chung-Ang Univ. **Hyeonjun Park**, Jaesung Lee, Hyeongsuk Jung

10:45-10:50 19-136 Are there differences in clinical outcomes between adolescent and adult with arthroscopic bankart repair?
¹The Catholic Univ., ²Wonkwang Univ., ³Qassim Univ. Yang-Soo Kim¹, **Ki-Sun Lee**¹, Hyo-Jin Lee¹, Jong-Ho Kim², Ali Aldhafeeri¹³

10:50-10:55 19-108 Does the size of borderline glenoid defect or hill-sachs lesion affect the clinical outcome of arthroscopic bankart repair?
Gachon Univ. **Won-Seok Kim**, Young Kyu Kim, Kyu-Hak Jung, Jin-Hun Hong

10:55-11:00 19-070 Characteristics of muscle performance in patients with arthroscopic bankart repair
¹Korea Univ., ²Sheikh Khalifa Specialty Hospital Woong Kyo Jeong¹, **Jin Hyuck Lee**¹, Ji Soon Park², Jin Ho Jeon¹

11:00-11:05 19-013 Does an off-track hill-sachs lesion increase postoperative recurrent instability? Clinical comparison of shoulder functional outcomes and recurrence rates between on- and off-track lesions after arthroscopic stabilization procedures
Ewha Womans Univ. Sang-Jin Shin, **In Park**

11:05-11:15 Discussion

11:15-11:55 Free Papers 6. Arthritis & Arthroplasty 1 (English) Inje Univ. **Jae Kwang Yum** / Busan Mirae Hospital **Cheol Hong Kim**

11:15-11:20 19-073 Clinical outcomes of total shoulder arthroplasty for primary osteoarthritis
Funabashi Orthopaedic Hospital **Yohei Shimada**, Sugaya Hiroyuki, Takahashi Norimasa, Matsuki Keisuke, Tokai Morito

11:20-11:25 19-185 Evaluation of accuracy for 3-D printed patient-specific instrument glenoid guidance in shoulder arthroplasty
Chonnam National Univ. Myung Sun Kim, **Yong-Jin Park**, Min-Cheol Kim, Sung-Ju Kang

11:25-11:30 19-043 Hematologic profile in reverse total shoulder arthroplasty: peri and postoperative blood loss
Kyung Hee Univ. Yong Girl Rhee, **Myung Seo Kim**, Jong Dae Kim

Room A - March 29th, 2019 (Friday)

- 11:30-11:35 19-102 Effect of tranexamic acid on hemodynamics after reverse shoulder arthroplasty according to the administration method - prospective multi-center randomized control study -
¹Seoul National Univ., ²The Catholic Univ., ³Ewha Womans Univ., ⁴Sungkyunkwan Univ.
 Joo Han Oh¹, **Ji Young Yoon**¹, Yang-Soo Kim², Sang-Jin Shin³, Jae Chul Yoo⁴
- 11:35-11:40 19-180 Relation between preoperative EMG activity of deltoid and upper trapezius muscle and clinical results in patient got reverse shoulder arthroplasty
 Ajou Univ. Doo-Hyung Lee, **Hee Woong Chung**, Jang Ho Park, Ki Yong Hong, Li Hongri
- 11:40-11:45 19-203 Component fracture after total elbow arthroplasty
¹Dongguk Univ., ²Mayo Clinic **Ho Min Lee**¹, Shawn W. O'Driscoll², Anthony Vaichinger²
- 11:45-11:55 Discussion

11:55-12:15 The Shoulder Ambassador Ceremony

12:15-13:20 Luncheon Symposium (Sponsored by Pfizer)

Korea Univ. **Jung Ho Park**

Highlighting 20 years of Cox-2 selective inhibitors with CELEBREX

Sungkyunkwan Univ. **Jae Chul Yoo**

13:20-13:40 Plenary Lecture 2

Daejeon Hankook Hospital **Kwang Jin Lee** / Seoul National Univ. **Joo Han Oh**

- 13:20-13:35 In vivo three-dimensional motion analysis of the shoulder joint and evaluation of the functional length of glenohumeral ligaments during internal and external rotation
 Osaka Univ. **Kazuomi Sugamoto**
- 13:35-13:40 Discussion

13:40-14:20 Free Papers 8. Rotator cuff 4 (English)

Ulsan Univ. **Sang Hun Ko** / Hallym Univ. **Yong Beom Lee**

- 13:40-13:45 19-142 Which factors are related to pain in patients with re-torn rotator cuffs?
 The Catholic Univ. **Hyo-Jin Lee**, Yang-Soo Kim
- 13:45-13:50 19-202 Ultrasonographic follow-up of partial-thickness rotator cuff tears in university baseball players: a longitudinal study
¹Osaka Medical College, ²Rakusai Shimizu Hospital
 Teruhisa Mihata¹, **Hiroyuki Shimizu**², Akihiko Hasegawa¹, Kunimoto Fukunishi², Masashi Neo¹
- 13:50-13:55 19-041 Osteoarthritis progression during long-term follow-up after mini-open rotator cuff repair
 North Alps Medical Center, Azumi Hospital **Tomoyuki Matsuba**, Yukihiko Hata, Norio Ishigaki, Koichi Nakamura, Fumihiro Isobe
- 13:55-14:00 19-150 Modified transtendon repair augmented with tenotomized biceps tendon in high-grade PASTA lesions - mid-term clinical and radiological outcomes -
 The Catholic Univ. **Jong Hun Ji**
- 14:00-14:05 19-083 Retracted large rotator cuff tear: Is supraspinatus release effective?
 Kangwon National Univ. **Sung Hoon Moon**, Jun Hee Lee, Young Sik Yoon
- 14:05-14:10 19-038 Radiologic parameters on scapular morphology associated with atraumatic posterolateral rotator cuff tear
 Gyeongsang National Univ. **Hyung Bin Park**, Ji-Yong Gwark
- 14:10-14:20 Discussion

14:20-15:00 Free Papers 9. Rotator cuff 5 (English)

The Catholic Univ. **Jong Hun Ji** / Hanyang Univ. **Bonggun Lee**

- 14:20-14:25 19-201 Structural outcome of fascia lata autograft after arthroscopic superior capsule reconstruction
¹Osaka Medical College, ²First Towakai Hospital **Akihiko Hasegawa**¹, Teruhisa Mihata¹, Takeshi Kawakami², Masashi Neo¹
- 14:25-14:30 19-107 Fatty infiltration of the muscle component transitional to the superior-most insertion of subscapularis tendon evaluated by IDEAL magnetic resonance imaging technique is important factor of postoperative outcome of arthroscopic subscapularis tendon repair
 Chiba Univ. **Koji Akimoto**, Nobuyasu Ochiai, Eiko Hashimoto, Daisuke Nojima, Daisuke Kajiwara
- 14:30-14:35 19-122 Clinical outcomes of arthroscopic superior capsular reconstruction
 Chosun Univ. Young Lae Moon, Kwiyoun Choi, Sewoong Jang, **Hyun Woong Jang**
- 14:35-14:40 19-079 Arthroscopic superior capsular reconstruction with or without mesh augmentation: a preliminary comparative study
¹St. Carolus Hospital, ²Ulsan Univ., ³Nantong Univ. In-Ho Jeon², **Erica Kholinne**², Jae-Man Kwak², Yucheng Sun³
- 14:40-14:45 19-032 The outcomes of arthroscopic superior capsular reconstruction for irreparable rotator cuff tear
 Funabashi Orthopaedic Hospital Hiroyuki Sugaya, **Takeshi Morioka**, Norimasa Takahashi, Keisuke Matsuki, Tokai Morihito
- 14:45-14:50 19-195 Comparison of human dermal graft (HDG) and tensor fascia lata autograft (TFL) in superior capsule reconstruction (SCR) of the shoulder: a biomechanical and histological study in rabbit models
 Bezmialem Vakif Univ. **Kerem Bilsel**, Fatih Yildiz, Anil Pulatkan, Mehmet Kapicioglu, Gokcer Uzer
- 14:50-15:00 Discussion

15:00-15:40 Free Papers 10. Basic 1 (English)

Ulsan Univ. **In-Ho Jeon** / Chonnam National Univ. **Myung Sun Kim**

- 15:00-15:05 19-121 Small subchondral drill holes improve marrow stimulation of rotator cuff repair in a chronic rat tear model
 Ulsan Univ. In-Ho Jeon, **Yucheng Sun**, Hyo-Jun Kim, Erica Kholinne
- 15:05-15:10 19-051 Comparative proteome analysis of the capsule from patients with frozen shoulder
¹Tohoku Univ., ²Matsuda Hospital, ³South Miyagi Medical Center
Yoshihiro Hagiwara¹, Ando Akira², Kanazawa Kenji³, Koide Masashi², Itoi Eiji¹

Room A - March 29th, 2019 (Friday)

- 15:10-15:15 19-172 New method to measure glenoid inclination on plain x-ray of the shoulder
The Catholic Univ. Jin Young Jeong, **Hyunwoo Kim**
- 15:15-15:20 19-115 Best-fit circle on humeral head on plain x-rays
The Catholic Univ. Jin Young Jeong, **Kyungil Kim**
- 15:20-15:25 19-016 Glenohumeral relationship in maximum elevation
Nobuhara Hospital **Hiroaki Inui**, Tomoyuki Muto, Hiroshi Tanaka, Katsuya Nobuhara
- 15:25-15:30 19-146 Analysis of anatomical conformity of straight antegrade humeral intramedullary nail in Korean
Daegu Fatima Hospital **Dong Ju Shin**, Sung Choi, Seung Min Jee

- 15:30-15:40 Discussion
- 15:40-16:00 **Coffee Break**

16:00-16:20 Plenary Lecture 3 Neon Orthopaedic Clinic **Jin Young Park** / Hallym Univ. **Kyu Cheol Noh**

- 16:00-16:15 Measurement of the glenoid track in vivo as investigated by 3-dimensional motion analysis using open MRI
Osaka Univ. **Kazuomi Sugamoto**
- 16:15-16:20 Discussion

16:20-17:00 Free Papers 11. Rotator cuff 6 (Korean) The Catholic Univ. **Yang-Soo Kim** / Ajou Univ. **Doo-Hyung Lee**

- 16:20-16:25 19-152 Does retear rates after arthroscopic rotator cuff repairs decrease during the learning curve period of the beginner shoulder surgeon?
¹Eulji Univ., ²Sungkyunkwan Univ., ³Wonkwang Univ. **Tae Kang Lim**¹, Jae Chul Yoo², Jong-Ho Kim³, Kyu Hwan Bae¹
- 16:25-16:30 19-058 Medial retraction of supraspinatus and infraspinatus according to the delamination patterns of rotator cuff tears
Dankook Univ. Joongbae Seo, **Jae-sung Yoo**, Seungjun Kim, Dongho Lee, Hyungseok Lee
- 16:30-16:35 19-053 Load-sharing rip-stop repair for large to massive rotator cuff tear: clinical & MRI follow-up study
Daegu Top Hospital **Seong Man Lee**, Won Ju Jung, Yoon Gi Kim, Chang Hwa Lee
- 16:35-16:40 19-188 Rotator cuff tear concomitant with shoulder stiffness is associated with lower retear rate after one-stage arthroscopic surgery
¹Busan Bumjin Hospital, ²Haewoondae Bumjin Hospital **In Bo Kim**¹, Dong Wook Jung², Eun Yeol Kim¹, Kuk Pil Lim¹
- 16:40-16:45 19-005 Clinical outcomes in arthroscopic revision rotator cuff repair at minimum 1-year follow-up
¹Incheon Nanoori Hospital, ²Sungkyunkwan Univ. Jae Chul Yoo², **Seungbo Shim**¹
- 16:45-16:50 19-025 Changes in perianchor cyst formation over time after rotator cuff repair: influential factors and outcomes
Konkuk Univ. **Seok Won Chung**, Se-Young Ki, Kyung-Soo Oh
- 16:50-17:00 Discussion

17:00-17:40 Free Papers 13. Arthritis & Arthroplasty 2 (Korean) Gachon Univ. **Young Kyu Kim** / Keimyung Univ. **Chul-Hyun Cho**

- 17:00-17:05 19-179 The early functional outcomes and complications of cementless RTSA during the learning curve period
Jeju National Univ. Sung Wook Choi, **Joseph Rho**, Hyunseong Kang
- 17:05-17:10 19-082 Clinical and radiologic outcomes according to the implant designs following reverse shoulder arthroplasty: comparison between medial glenoid/medial humerus (MGMH) and medial glenoid/lateral humerus (MGLH) designs
Kyung Hee Univ. Nam-Su Cho, **Se-Jung Hong**, Jae-Woo Yang, Hyun-Je Seo, Yong-Girl Rhee
- 17:10-17:15 19-075 Clinical result of reverse total arthroplasty in deltoid tear with cuff tear arthropathy
Seoul National Univ. Sae Hoon Kim, **Ji Hoon Nam**
- 17:15-17:20 19-183 Clinical and radiological short-term results of stemless shoulder arthroplasty
Chonnam National Univ. Myung Sun Kim, **Yong-Jin Park**, Young-Rok Shin, Myung-Jin Sung
- 17:20-17:25 19-064 Another glenoid measurements for shoulder surgery
Inje Univ. Jae Kwang Yum, **Hwi-Young Kim**
- 17:25-17:30 19-085 MRI assessment of the subscapularis atrophy after reverse shoulder arthroplasty and the correlation with clinical outcomes
Yeosu Baek Hospital **Chang Hee Baek**, Youngwoong Back
- 17:30-17:40 Discussion

17:40-17:50 Paper presentations by traveling fellows from Japan Secretary General **Jae Chul Yoo**

- 17:40-17:45 Intra-articular impingement in injured throwing shoulders in the flexed and internally rotated position
Showa Univ. **Naoya Nishinaka**
- 17:45-17:50 Prevalence of the rotator cuff tear concomitant with neuropathy using needle electromyogram in 651 cases
Chiba Univ. **Nobuyasu Ochiai**

17:50-18:05 Travelling Fellow Report Secretary General **Jae Chul Yoo**

- 17:50-17:55 American travelling fellowship
Konyang Univ. **Jin Woong Yi**
- 17:55-18:00 Japanese travelling fellowship
Hallym Univ. **Kyu Cheol Noh**
- 18:00-18:05 European travelling fellowship
Sungkyunkwan Univ. **Jae Chul Yoo**
- 18:30- **President Dinner (Shilla Hall) 3F**

Room B - March 29th, 2019 (Friday)

07:30-08:00 Registration

08:05-08:45 Free Papers 2. Rotator cuff 2 (Korean) Hallym Univ. **Kyu Cheol Noh** / Yonsei Univ. **Yong Min Chun**

- 08:05-08:10 19-134 Correlation of the critical shoulder angle and greater tuberosity angle with partial-thickness rotator cuff tear depends on which sided involvement Dankook Univ. Joongbae Seo, **Jae-sung Yoo**, Hyunseok Lee, Dongho Lee, Seongjun Kim
- 08:10-08:15 19-131 The natural course and risk factors of tear progression in conservatively treated full-thickness rotator cuff tears Seoul National Univ Sae Hoon Kim, Whanik Jung, Sanguk Lee, **Jangwoo Kim**
- 08:15-08:20 19-057 Evaluation of partial-thickness rotator cuff tears on the basis of overlap of the supraspinatus and infraspinatus tendons Dankook Univ. Joongbae Seo, **Jae-sung Yoo**, Seongjun Kim, Dongho Lee, Hyungseok Lee
- 08:20-08:25 19-118 Vitamin D level in the rotator cuff muscle and serum correlates with postoperative muscle performance at 1 year after rotator cuff repair Seoul National Univ. Joo Han Oh, **Sung-Min Rhee**, Joo Hyun Park
- 08:25-08:30 19-033 Effect of smoking on healing failure after rotator cuff repair Konkuk Univ. **Seok Won Chung**, Jung Ho Park, Kyung-Soo Oh
- 08:30-08:35 19-004 A comparative study to evaluate the risk factors for medium-sized rotator cuff tear in patients less than 50 years of age ¹Incheon Nanoori Hospital, ²Sungkyunkwan Univ. Jae Chul Yoo², **Seungbo Shim**¹
- 08:35-08:45 Discussion

08:45-09:25 Free Papers 3. Miscellaneous 1 (English) The Catholic Univ. **Jin Young Jeong** / Korea Univ. **Woong Kyo Jeong**

- 08:45-08:50 19-071 Association between sleep disturbance and new-onset subjective shoulder pain in survivors of the great east Japan earthquake: a prospective cohort study in Miyagi prefecture ¹Tohoku Univ., ²Sendai Hospital of East Japan Railway Company, ³Iwate Prefectural Central Hospital Yoshihiro Hagiwara¹, **Kazuaki Suzuki**², Takuya Sekiguchi³, Yutaka Yabe¹, Eiji Itoi¹
- 08:50-08:55 19-014 Systematic review of long thoracic nerve palsy: anatomy, etiologies, symptoms, compression points, diagnosis, and treatments ¹Kuwano Kyorutsu Hospital, ²Tohoku Univ., ³Eijyu General Hospital, ⁴Tokyo Medical and Dental Univ. **Junichiro Hamada**¹, Yoshihiro Hagiwara², Kiyohisa Ogawa³, Keiichi Akita⁴
- 08:55-09:00 19-181 The effect of suprascapular nerve injury on the rotator cuff enthesis ¹Acibadem Mehmet Ali Aydinlar Univ., ²Istanbul Medeniyet Univ. **Arel Gereli**¹, Uslu Serap², Tekin Kerem Ülkü¹, Barış Kocaoglu¹, Beril Okur¹
- 09:00-09:05 19-106 Computed tomography value is the important factor for successful treatment of extracorporeal shock wave therapy (ESWT) for refractory chronic calcific tendinitis of the shoulder ¹Chiba Univ., ²Chiba Aoba Municipal Hospital **Kajiwara Daisuke**, Nobuyasu Ochiai¹, Eiko Hashimoto¹, Koji Akimoto¹, Daisuke Nojima¹, Yamaguchi Takeshi²
- 09:05-09:10 19-021 Surgical video recording in shoulder surgery using GoPro Hero 5 Black and editing for communication with medical personnel Hanyang Univ. **Joon Yub Kim**, Hyungin Cho
- 09:10-09:15 19-055 Is inverted-W pitching really dangerous? ¹Neon Orthopaedic Clinic, ²Konyang Univ. **Jae Hyung Lee**¹, Byung Hak Oh², Jin Young Park¹
- 09:15-09:25 Discussion
- 09:45-10:05 **Coffee Break**

10:35-11:15 Free Papers 5. Rotator cuff 3 (Korean) Eulji Univ. **Kwang-Won Lee** / National Medical Center **Min Soo Shon**

- 10:35-10:40 19-028 Automated rotator cuff tear classification and detection by weakly supervised learning based on 3D convolutional neural network ¹Konkuk Univ., ²Hanyang Univ., ³Korean Institute of Science and Technology **Seok Won Chung**¹, Joon Yub Kim², Se-Young Ki¹, Eungjune Shim³, Youngjun Kim³
- 10:40-10:45 19-149 Quantitative detection of rotator cuff tears using a 3D ultrasound imaging system ¹Daegu Catholic Univ., ²Daegu Gyeongbuk Institute of Science & Technology Chang Hyuk Choi¹, **Jun Young Kim**¹, Jeong-Ho Park², Anna Seo², Jae Youn Hwang²
- 10:45-10:50 19-039 Usefulness of the axial MRI views to identify the tear configuration in rotator cuff tears Sungkyunkwan Univ. **Sung-Weon Jung**, Gwang-Eun Lee
- 10:50-10:55 19-173 Does healing after rotator cuff repair improve muscle atrophy or fatty infiltration? Hallym Univ. Kyu Cheol Noh, **Jung Youn Kim**
- 10:55-11:00 19-162 Comparison of clinical outcomes according to tissue strain using sono-elastogram after arthroscopic rotator cuff repair The Catholic Univ. **Sang-Uk Lee**, Min-Sung Kang
- 11:00-11:05 19-175 Positional change of the knots after arthroscopic cuff repair The Catholic Univ. Hyun Seok Song, **Hyung Seok Kim**, Seung Gu Kang, Jun Young Hea
- 11:05-11:15 Discussion

11:15-11:55 Free Papers 7. Elbow 1 (English & Korean) Sungkyunkwan Univ. **Yu-Jin Kim** / Korea Univ. **Jun Gyu Moon**

- 11:15-11:20 19-061 Association of steroid injection with soft-tissue calcification in lateral epicondylitis Gyeongsang National Univ. Hyung Bin park, **Mincheol Kam**, Ji-Yong Gwark

Room B - March 29th, 2019 (Friday)

- 11:20-11:25 19-127 Simple posteromedial dislocation of the elbow joint is caused by the same injury mechanism as the PMRI with dislocation?
Pohang SM Christianity Hospital **In Hyeok Rhyou**, Kyung Chul Kim, Ji-Ho Lee, Jung Hyun Lee, Kee Baek Ahn
- 11:25-11:30 19-050 Long-term clinical and radiographic outcomes after open reduction with ulnar osteotomy combined with annular ligament reconstruction for missed monteggia fracture-dislocation in children ¹North Alps Medical Center Azumi Hospital, ²Shinshu Univ.
Koichi Nakamura¹, Humihiro Isobe¹, Tomoyuki Matsuba¹, Yukihiko Hata¹, Hiroyuki Kato²
- 11:30-11:35 19-081 Comparison of outcomes of cemented bipolar radial head prosthesis versus loose fit monopolar radial head prosthesis
Korea Univ. **Jun Gyu Moon**, Ja-Woon Lee, Young-Jin Jung, Hee-Dong Lee
- 11:35-11:40 19-157 The results of operative treatment for degenerative arthritis of elbow - arthroscopic surgery with distraction in lateral position -
Madisarang Hospital **Jae Yong Byun**
- 11:40-11:45 19-054 Effects of axial forearm instability on force transmission across the elbow
¹Hallym Univ., ²Mayo Clinic Shawn O'Driscoll², **Jung-Taek Hwang**^{1,2}, Youngbok Kim², Maegan Shields², James Fitzsimmons²
- 11:45-11:55 Discussion

13:40-15:40 Basic Research Committee Workshop The Catholic Univ. **Jin Young Jeong** / Seoul National Univ. **Hyun Chul Cho**

- 13:40-14:05 3차원 컴퓨터 시뮬레이션 프로그램을 이용한 견주관절의 생역학연구 Sungkyunkwan Univ. **Yu-Jin Kim**
- 14:05-14:30 Image J와 ITK-SNAP을 이용한 shoulder modeling Wonju Yonsei Univ. **Doo Seop Kim**
- 14:30-14:55 Medical image analysis using shoulder CT and MRI Kyungpook National Univ. **Jong Pil Yoon**
- 14:55-15:20 3D imaging을 이용한 arthroplasty의 kinematics 연구 Hanyang Univ. **Bonggun Lee**
- 15:20-15:40 Discussion
- 15:40-16:00 **Coffee Break**

16:20-17:00 Free Papers 12. Basic 2 (Korean) Gyeongsang National Univ. **Hyung Bin Park** / Jeju National Univ. **Sung Wook Choi**

- 16:20-16:25 19-190 Does graphene oxide scaffold enhance the tendon-bone healing mechanism in the rotator cuff tear rat model?: comparison study of rat rotator cuff model using graphene oxide scaffold
Kyungpook National Univ. **Jong Pil Yoon**, Il Seo, Dong Hyun Kim, Jin Hyun Choi, Hun Min Kim
- 16:25-16:30 19-189 Effect of kartogenin on tendon to bone healing in rat model
Kyungpook National Univ. **Jong Pil Yoon**, Il Seo, Dong Hyun Kim, Jin Hyun Choi, Hun Min Kim
- 16:30-16:35 19-184 How long should we wait to create Goutallier stage 2 fatty infiltrations in rabbit supraspinatus muscle for reparable rotator cuff tear model? Chonnam National Univ. **Myung Sun Kim**, Mohamed Attia Abdou, Ga-Eon Kim, Yang-Kyung Kim, Tae-Jin Kim
- 16:35-16:40 19-030 Rotator cuff tear-induced loss of aquaporin 4 leads to rotator cuff muscle atrophy in mice
Konkuk Univ. **Seok Won Chung**, Yong-Soo Lee, Ja-Yeon Kim, Hyo-Nam Kim, Se-Young Ki
- 16:40-16:45 19-133 Effect of biceps rerouting technique to restore glenohumeral joint stability for massive rotator cuff tears: a cadaveric biomechanical study
¹The Catholic Univ., ²Wonkwang Univ., ³Qassim Univ. **Yang-Soo Kim**¹, Hyo-Jin Lee¹, Jong-Ho Kim², Ki-Sun Lee¹, Ali Aldhfeeri^{1,3}
- 16:45-16:50 19-196 What is the best pitch ratio of dual-lead screw for the locking plate fixation of proximal humerus fracture - biomechanical saw bone tests - ¹Daegu Catholic Univ., ²Seoul National Univ. Joo Han Oh², **Yeon Soo Lee**¹, Eun-Ju Lee¹
- 16:50-17:00 Discussion

17:00-17:40 Free Papers 14. Trauma 1 (Korean) Hanyang Univ. **Tae Soo Park** / Kyung Hee Univ. **Nam-Su Cho**

- 17:00-17:05 19-044 A new classification system for distal clavicle fractures ¹Keimyung Univ., ²Daegu Catholic Univ., ³CHA Univ., ⁴Dongguk Univ. Chul-Hyun Cho¹, **Du-Han Kim**¹, Chang Hyuk Choi², Junmyung Dan³, Ho Min Lee⁴
- 17:05-17:10 19-046 Clinical and radiologic outcomes after various treatments of mid-shaft clavicle fractures in adolescents
Eulji univ. **Dae Suk Yang**, Ha Yong Kim, Kwang-Won Lee
- 17:10-17:15 19-020 Minimal invasive percutaneous plate osteosynthesis (MIPPO) through deltoid-splitting approach with strut allograft for the treatment of displaced 3 or 4 part proximal humeral fractures Dong-A Univ. **Young-min Noh**
- 17:15-17:20 19-068 Surgical trends in elderly patients with proximal humeral fractures in South Korea: a population-based study
Hanyang Univ. Bonggun Lee, **Young-Hoon Jo**
- 17:20-17:25 19-165 Arthroscopic treatment for rare type injury of one-fourth anterior-inferior glenoid comminuted fracture with humerus head and neck comminuted fracture
Yonsei Univ. **Yongjun Lee**, Ho-Jung Kang, Hyoung-Sik Kim, Yong Min Chun, Jung-Jun Hong
- 17:25-17:30 19-153 Bone tunnel complications after coracoclavicular (CC) ligaments reconstructions in acromioclavicular dislocations: coracoid tunneling versus coracoid loop fixation
Eulji Univ. **Tae Kang Lim**, Hwang Kyun Oh, Kyu Hwan Bae, Nam Hong Choi
- 17:30-17:40 Discussion
- 18:30- **President Dinner (Shilla Hall) 3F**

Room A - March 30th, 2019 (Saturday)

08:05-08:45 Free Papers 15. Award session Korea Univ. Jung Ho Park / Ulsan Univ. Kyoung-Hwan Koh

- 08:05-08:10 19-161 Effects of arthroscopy-guided suprascapular nerve bolus block (SSNB) with patient-controlled suprascapular indwelling catheter analgesia (PCA) within the first 72 h after arthroscopic rotator cuff repair (ARCR): a randomized controlled trial
Hallym Univ. **Kyu Cheol Noh**
- 08:10-08:15 19-159 Comparison of clinical outcomes between subacromial spacer insertion and other reconstructions methods for irreparable massive rotator cuff tear
Seoul National Univ. Joo Han Oh, **Sung-Min Rhee**, Joo Hyun Park
- 08:15-08:20 19-135 When should we repair partial-thickness rotator cuff tears? Outcome comparison between immediate surgical repair versus delayed repair after 6-month period of nonsurgical treatment
¹The Catholic Univ., ²Wonkwang Univ., ³Qassim Univ. Yang-Soo Kim¹, **Hyo-Jin Lee**¹, Jong-Ho Kim², Ki-Sun Lee¹, Ali Aldhfeeri¹³
- 08:20-08:25 19-076 Three-dimensional analysis of scapular kinematics during arm elevation in baseball players with scapular dyskinesia: comparison of dominant and non-dominant arms
¹Neon Orthopaedic Clinic, ²Konkuk Univ. Jin Young Park¹, Junhyun Kim¹, **Yoon won yong**¹, Beom Ho Seo¹, Kyung-Soo Oh², Seok Won Chung²
- 08:25-08:30 19-074 The efficacy of synovectomy in rotator cuff repair: a randomized controlled trial
Seoul National Univ. Chris Hyunchul Jo, **Jieun Park**
- 08:30-08:35 19-036 The effect of the glutamate or estrogen receptor on chondrocyte cell death
Gyeongsang National Univ. Hyung Bin Park, **Ji-Yong Gwark**
- 08:35-08:45 Discussion

08:45-09:15 Plenary Lecture 4 Asan Chungmu Hospital Jung Man Kim / Ewha Womans Univ. Sang-Jin Shin

- 08:45-09:05 Advanced elbow arthroscopy: triceps repair, fractures and instability
Tulane Univ. **Felix H. "Buddy" Savoie III**
- 09:05-09:15 Discussion

09:15-10:10 Symposium II. The 'three' cases that made my current surgical technique Gachon Univ. Young Kyu Kim / Tantan Shoulder Center Kyung Cheon Kim

- 09:15-09:25 Hemiarthroplasty for proximal humerus fracture
The Catholic Univ. **Hyun Seok Song**
- 09:25-09:35 Open repair of subscapularis tear (more than upper 1/2)
Keimyung Univ. **Chul-Hyun Cho**
- 09:35-09:45 Arthroscopic transosseous multi-suture technique
Hallym Univ. **Kyu Cheol Noh**
- 09:45-09:55 Triceps on total elbow arthroplasty
Korea Univ. **Jun Gyu Moon**
- 09:55-10:10 Discussion
- 10:10-10:30 **Coffee Break**

10:30-11:10 Free Papers 18. Rotator cuff 8 (English) Ewha Womans Univ. Sang-Jin Shin / Daegu Fatima Hospital Dong Ju Shin

- 10:30-10:35 19-114 Ultrasonographical detection of instability of long head of biceps tendon
AR-Ex Oyamadai Orthopedic Clinic Tokyo Arthroscopy Center **Hirata Masazumi**, Kubo Takanori, Arita Masanori
- 10:35-10:40 19-147 Arthroscopic treatment for intratendinous rotator cuff tear results in satisfactory clinical outcomes and structural integrity
Pusan National Univ. Sangjin Cheon, **Yong Geon Park**, Woong Ki Jeon, Hyo Yeol Lee
- 10:40-10:45 19-047 Comparison of functional and radiological outcomes of subscapularis-involving tear: isolated subscapularis vs. combined antero-superior rotator cuff tears
Seoul National Univ. Joo Han Oh, **Prashant Shyam Meshram**, Joo Hyun Park
- 10:45-10:50 19-197 Comparison of arthroscopic single-row rotator cuff repair augmented with microfracture to single-row and double-row repair
¹Bezmailem Vakif Univ., ²Hayatabad Medical Complex, ³Medline Adana Hospital Anil Pulatkan¹, **Kerem Bilsel**¹, Wasim Anwar², Sevil Tokdemir¹, Sercan Akpinar³
- 10:50-10:55 19-110 Symptomatic rotator cuff tears frequently associate with adduction restriction of the glenohumeral joint
¹Tochigi Medical Center, ²Kuwano Kyoritsu Hospital, ³Tohoku Univ., ⁴Josai International Univ., ⁵East Jaan Railway Hospital Junichiro Hamada², **Yuichiro Yano**¹, Yoshihiro Hagiwara³, Hiroshi Karasuno⁴, Kazuaki Suzuki⁵
- 10:55-11:10 Discussion

11:10-11:50 Free Papers 19. Miscellaneous 2 (English) Join Orthopaedic Clinic Ki Young Byun / Eulji Univ. Tae Kang Lim

- 11:00-11:15 19-069 Sonoelastography of the supraspinatus and infraspinatus tendons in patients with idiopathic adhesive capsulitis of the shoulder: a prospective, case-control study
Kyung Hee Univ. Nam-Su Cho, **Jae-Woo Yang**, Seong-Jong Yun, Wook Jin, Yong-Girl Rhee
- 11:15-11:20 19-006 Learning curve of reverse shoulder arthroplasty
¹NHO Kochi National Hospital, ²Tokushima Univ. **Shoji Fukuta**¹, Keisuke Nishidono¹, Yuichiro Goda¹, Koichi Seiryō²

Room A - March 30th, 2019 (Saturday)

- 11:20-11:25 19-035 Improved abnormal blood flow after shoulder manipulation for severe frozen shoulder: evaluation by dynamic MRI
¹Jichi Medical Univ., ²Tochigi Medical Center Shimotsuga **Yuki Iijima**¹, Hideyuki Sasanuma², Tomohiro Saito¹, Katsushi Takeshita¹
- 11:25-11:30 19-167 Can manipulation under anesthesia (MUA) alone provide a similar clinical outcomes with arthroscopic circumferential capsular release when patients complained still painful stiffness even after enough conservative management in primary adhesive capsulitis?
 Hallym Univ. **Yoon Suk Hyun**, Seungha Baek, Junyoung Jung, Junhyuk Jang
- 11:30-11:35 19-022 The course and clinical impact of articular MRI findings at 6 months after shoulder manipulation under ultrasound-guided cervical nerve root block for frozen shoulder
 Jichi Medical Univ. **Saito Tomohiro**, Sugimoto Hideharu, Sasanuma Hideyuki, Iijima Yuki, Takeshita Katsushi
- 11:35-11:40 19-056 Three-dimensional change in the rotator cuff during arm abduction using open magnetic resonance system
¹Nobuhara Hospital and Institute, ²Niigata Univ.
Hiroshi Tanaka¹, Hiroaki Inui¹, Tomoyuki Muto¹, Toyohiko Hayashi², Katsuya Nobuhara¹
- 11:40-11:50 Discussion

11:50-12:10 Plenary Lecture 5 Gangnam Yonsei Sarang Hospital **Sung Jae Kim** / The Catholic Univ. **Yang-Soo Kim**

- 11:50-12:05 Long-term clinical outcomes of rotator cuff repair North Alps Medical Center Azumi Hospital **Yukihiko Hata**
- 12:05-12:10 Discussion

12:10-13:00 Luncheon Symposium (Sponsored by LG Chem) Hallym Univ. **Yon-Sik Yoo**

- 5 Facts! LDA*, COX-2 vs. VIMOVO (VIVA with VIMOVO!) Seoul National Univ. **Sae Hoon Kim**

13:00-14:00 Symposium III. Causes and treatments for shoulder pain Gwangju Dong-A Hospital **Sang Don Shim** / Wonkwang Univ. **Jung Woo Kim**

- 13:00-13:08 약 처방, 어깨 주사로 명의되기 Busan Mirae Hospital **Cheol Hong Kim**
- 13:08-13:16 어깨 초음파 완전 정복 National Medical Center **Min Soo Shon**
- 13:16-13:24 수술 후 통증 조절의 모든 것 Konkuk Univ. **Seok Won Chung**
- 13:24-13:32 견갑골 주위 통증 Eulji Univ. **Dae Suk Yang**
- 13:32-13:40 우리가 잘 몰랐던 통증 치료 방법 Konyang Univ. **Jin Woong Yi**
- 13:40-14:48 임상 어깨 외래 진료의 핵심 Tantan Shoulder Center **Kyung Cheon Kim**
- 13:48-14:00 Discussion

14:00-14:55 Industry session: Reverse total shoulder arthroplasty (Surgical technique & Design rationale) Kyung Hee Univ. **Yong Girl Rhee** / Ulsan Univ. **In-Ho Jeon**

- 14:00-14:06 DJO Seoul National Univ. **Sae Hoon Kim**
- 14:06-14:12 Dupey Wonju Yonsei Univ. **Doo Seop Kim**
- 14:12-14:18 Exactech Ewha Womans Univ. **Sang-Jin Shin**
- 14:18-14:24 Implantcast Kyung Hee Univ. **Nam-Su Cho**
- 14:24-14:30 Lima The Catholic Univ. **Yang-Soo Kim**
- 14:30-14:36 Tornier Eulji Univ. **Tae Kang Lim**
- 14:36-14:42 ZimmerBiomet Sungkyunkwan Univ. **Jae Chul Yoo**
- 14:42-14:55 Discussion
- 14:55-15:15 **Coffee Break**

15:15-16:45 Symposium IV. Scapular symposium Hallym Univ. **Yon-Sik Yoo** / Korea Athletic Training Research Institute **Heum-Duck Kang**

- 15:15-15:30 Anatomy & kinematics of scapula Inje Univ. **Jung-Han Kim**
- 15:30-15:45 Clinical significance of scapular dyskinesis Pohang SM Christianity Hospital **In Hyeok Rhyou**
- 15:45-16:00 Scapular dyskinesis 개선을 위한 도수 요법 (동영상 강의) J Medical Training Center **Yong Jin Kim**
- 16:00-16:15 거북목과 어깨의 운동 요법 Philip Sports Rehabilitation & Prevention Center **Sang Jun Jeon**
- 16:15-16:30 회전근개 질환 환자가 쉽게 할 수 있는 자가 견갑골 운동 (동영상 강의) Republic of Korea Athletic Trainers' Association **Ki Jae Song**
- 16:30-16:45 Discussion

16:45-16:50 2020 Turkish National Congress of Shoulder and Elbow Surgery: Korea as a guest nation Bezmialem Vakif Univ. **Kerem Bilsel** / Acibadem Mehmet Ali Aydinlar Univ. **Gereli Arel**

Room A - March 30th, 2019 (Saturday)

16:50-17:10	President Lecture	Joint orthopaedic clinic Ki-Yong Byun Hallym Univ. Yon-Sik Yoo
17:10-17:15	Best Presentation Award, Cheong Gang Award, Best Academic Paper Award	Chairman of Scientific Committee Jung Ho Park
17:15-17:45	Business Meeting	Secretary General Jae Chul Yoo
17:45-17:50	Closing Remark	President Yon-Sik Yoo

Room B - March 30th, 2019 (Saturday)

08:05-08:45 Free Papers 16. Instability 2 (English) Soonchunhyang Univ. **Byung-II Lee** / Konkuk Univ. **Seok Won Chung**

- 08:05-08:10 19-198 Morphological analysis of glenoid orientation and profile in posterior shoulder instability by computed tomography arthrograms
Hallym Univ. Yon-Sik Yoo, **Jeung Yeol Jeong**, Seung-Jin, Jeehyong Kim, Wooyoung Im
- 08:10-08:15 19-067 Evaluation of inferior capsular laxity in atraumatic multidirectional shoulder instability by magnetic resonance arthrography
¹Chungbuk National Univ., ²Goodsam Orthopaedic Clinic **Ho-Seung Jeong**¹, Kyoung-Jin Park²
- 08:15-08:20 19-015 How does the perianchor cyst change following arthroscopic labral repair using all-suture anchor?
¹Ewha Womans Univ., ²Inje Univ. Sang-Jin Shin¹, **Jae-Hoo Lee**², In Park¹
- 08:20-08:25 19-012 Comparison of factors related to subjective patient satisfaction and objective surgical failure after arthroscopic stabilization procedures for recurrent anterior shoulder instability
Ewha Womans Univ. Sang-Jin Shin, In Park, **Jun-Hoe Song**
- 08:25-08:30 19-125 Comparison bumper height and joint volume between re-dislocation and non-re-dislocation patients after arthroscopic bankart repair
Inje Univ. **Jung-Han Kim**, Seung-Jun Lee
- 08:30-08:35 19-009 Subcritical zone in assessing an off-track hill-sachs lesion
Tohoku Univ. **Nobuyuki Yamamoto**, Toshimitsu Etoh, Kiyotsugu Shinagawa, Taku Hatta, Eiji Itoi
- 08:35-08:45 Discussion

09:15-09:55 Free Papers 17. Rotator cuff 7 (Korean) Seoul National Univ. **Hyun Chul Cho** / Inje Univ. **Jung-Han Kim**

- 09:15-09:20 19-193 Combined latissimus dorsi tendon and teres major tendon anterior transfer for irreparable subscapularis tears
Yeosu Baek Hospital **Chang Hee Baek**, Youngwoong Back
- 09:20-09:25 19-176 Superior capsule reconstruction using ADM allograft in the irreparable rotator cuff tear
The Catholic Univ. Jong Hun Ji, **Sang-Hun Lee**
- 09:25-09:30 19-120 Arthroscopic rotator cuff repair with biceps and dermal matrix allograft augmentation
Gwangju Dong-A Hospital **Sang Don Shim**
- 09:30-09:35 19-063 Allogenic dermal matrix augmentation after arthroscopic rotator cuff repair for large to massive rotator cuff tear. Does it really work?
Nalgae Hospital Tae-yon Rhie, **Dohoon Kim**
- 09:35-09:40 19-112 Arthroscopic incomplete repair using a "hybrid technique" for large to massive rotator cuff tears: clinical results and structural integrity
¹Sungkyunkwan Univ., ²Hallym Univ. Jae Chul Yoo¹, **Sanghoon Chae**¹, Jeung Yeol Jeong²
- 09:40-09:50 Discussion
- 10:10-10:30 **Coffee Break**

10:30-11:50 Insurance and Policy Committee Workshop Hallym Univ. **Kyu Cheol Noh** / Chung-Ang Univ. **Jae Yoon Kim**

- 10:30-10:50 건강보험 보장성 강화 추진 현황 Benefit Coverage Department Benefit Innovation Division **Mi Ju Jeon**
- 10:50-11:10 신포괄수가제 현황 DRG Department DRG Development Division **Mi Young Kim**
- 11:10-11:30 보험삭감 알뜰산집 Hallym Univ. **Yong Beom Lee**
- 11:30-11:50 Discussion

13:00-14:15 CiSE Journal Workshop Gachon Univ. **Young Kyu Kim** / The Catholic Univ. **Hyun Seok Song**

- 13:00-13:15 타 학술지의 그림 사용에 있어서 표절 Keimyung Univ. **Chul-Hyun Cho**
- 13:15-13:30 임상연구심사위원회 제출 자료 준비 Yonsei Univ. **Yong Min Chun**
- 13:30-13:45 연구 논문에서의 표본수 산정 Wonju Yonsei Univ. **Doo Seop Kim**
- 13:45-14:00 Propensity score를 이용한 연구 Gachon Univ. **Kyu-Hak Jung**
- 14:00-14:15 Discussion

14:15-14:55 Free Papers 20. Miscellaneous 3 (Korean & English) Daegu Catholic Univ. **Chang Hyuk Choi** / Inje Univ. **Suk-Hwan Jang**

- 14:15-14:20 19-052 Effect of suprascapular nerve block, axillary nerve block, lateral pectoral nerve articular branch block in arthroscopic rotator cuff repair
Ulsan Univ. Sang Hoon Ko, **Woo Young Jin**, Min Seok Kim
- 14:20-14:25 19-199 Evaluation of postoperative magnetic resonance imaging for new arthroscopic coracoclavicular fixation technique using multiple suture knot
Hallym Univ. Yon-Sik Yoo, **Jeung Yeol Jeong**, Seung-Jin, Jeehyong Kim, Wooyoung Im
- 14:25-14:30 19-060 Comparison of two clavicle hook plates for the treatment of distal clavicle fracture
¹Minoh City Hospital, ²Osaka Univ. **Shibano Koji**¹, Sugamoto Kazuomi²

Room B - March 30th, 2019 (Saturday)

- 14:30-14:35 19-200 Modified use of a proximal humeral internal locking system (PHILOS) plate in extra-articular distal-third diaphyseal humeral fractures
¹Yonsei Univ., ²Ewha Womans Univ. Sang-Jin Shin², **Hoon Sang Sohn**¹
- 14:35-14:40 19-130 Is long-term immobilization really harmful to the functional outcome of the coronal shear fracture of the distal humerus?
 Pohang SM Christianity Hospital In Hyeok Rhyou, **Kyung Chul Kim**, Ji-Ho Lee, Jung Hyun Lee
- 14:40-14:45 19-158 A comparative study on internal fixation using long proximal intramedullary nail for the treatment of humeral shaft fracture according to fracture types
 Daegu Catholic Univ. Chang Hyuk Choi, **Jun Young Kim**, Tae-Bum Oh, Chung Mu Jun
- 14:45-14:55 Discussion
- 14:55-15:15 **Coffee Break**
- 15:15-15:55 **Free Papers 21. Elbow 2 (Korean)** Pusan National Univ. **Sangjin Cheon** / Dong-A Univ. **Young-min Noh**
- 15:15-15:20 19-151 Nerve injury of elbow arthroscopy: review of 110 cases during the learning curve of the beginner elbow surgeon
¹Eulji Univ., ²Sungkyunkwan Univ. **Tae Kang Lim**¹, Min Jong Park², Ki Chul Park¹, Joo Hyung Ha¹
- 15:20-15:25 19-139 Clinical application of sonoelastography for medial epicondylitis Inje univ. **Jin Young Bang**, Seok Hahn
- 15:25-15:30 19-194 The influential factor in residual medial laxity of elbow joint after dislocation
 Pohang SM Christianity Hospital In Hyeok Rhyou, **Ji-Ho Lee**
- 15:30-15:35 19-174 Correlation between ligament injuries and concomitant fractures in posterolateral dislocation of the elbow
 Wonkwang Univ. Jeong Woo Kim, **Dae Jin Nam**, Hee Seok Yang, Sung Hyun Lee, Byung Taek Kwon
- 15:35-15:40 19-119 Stress ultrasound for medial ulnar collateral ligament injury in athlete: Is US alone enough for diagnosis? (correlation with MRI)
¹Neon Orthopaedic Clinic, ²Seoul Radiology Clinic **Jae Hyung Lee**¹, Jin Young Park¹, Heedong Kim¹, Taehaeng Heo²
- 15:40-15:45 19-105 Quantitative analysis of coronoid fractures in terrible triad and posteromedial rotatory instability injuries
 Korea Univ. Jun Gyu Moon, **Hee-Dong Lee**, Young-Jin Jung
- 15:45-15:55 Discussion

E-Poster

- 19-027 Automated detection and classification of the proximal humerus fracture by using deep learning algorithm
¹Konkuk Univ., ²Kyungpook National Univ., ³Hanyang Univ. Seok Won Chung¹, Kyung-Soo Oh¹, Jong Pil Yoon², Joon Yub Kim³
- 19-034 A case of aseptic osteonecrosis of the humeral trochlea (Hegemann's disease): evaluation by MRI
Azumi Hospital Fumihiko Isobe, Koichi Nakamura, Yukihiko Hata
- 19-040 Bipolar bone loss in male athletes with traumatic anterior shoulder instability: evaluation using a new scoring system
Yukioka Hospital Shigeto Nakagawa
- 19-059 The prognostic factor of shoulder manipulation under ultrasound cervical nerve root block for frozen shoulder
Jichi Univ. Tomohiro Saito, Yuki Iijama, Hideaki Watanabe, Ichiro Kikkawa, Katsushi Takeshita
- 19-062 Clinical and anatomical result of biceps tenodesis using modified Mason-Allen technique: comparative study
Nalgae Hospital Tae-yon Rhie, Dohoon Kim
- 19-066 Clinical outcomes of revision arthroscopic capsulolabral reconstruction for anterior shoulder instability - comparison with primary surgery -
Seoul National Univ. Joo Han Oh, Hyong Suk Kim, Sung-Min Rhee, Khoa Bui
- 19-080 Treatment of terrible triad of the shoulder in our hospital
Kawaguchi Kogo General Hospital Shimpei Kondo, Hideya Yoshimura, Kanehiro Hiyama, Etuko Matumura, Mio Norose
- 19-084 Arthroscopic treatment of synovial chondromatosis in shoulder - retrospective case series -
¹Seoul National Univ., ²Hyundae General Hospital, ³Bundang Jesaeng Hospital Joo Han Oh¹, Woo Sung Kim², Hyeon Jang Jeong³
- 19-086 Occult acromial fractures diagnosed using ultrasonography after RSA
Yeosu Baek hospital Chang Hee Baek, Youngwoong Back
- 19-087 Subscapular sparing deltopectoral approach for reverse total shoulder arthroplasty
Gwangju Veterans Hospital Ki Yong An, Young Woo Chung, Jae Woong Seo
- 19-088 Effect of postoperatively applied far-infrared radiation on pain and tendon to bone healing after rotator cuff repair
¹Seoul National Univ., ²Sun's Orthopaedic Clinic Joo Han Oh¹, Joo Hyun Park¹, Kwang Jin Lee², Sung-Min Rhee¹
- 19-101 Clinical and radiologic outcomes of modified phemister operation with coracoclavicular ligament augmentation using suture anchor for acute acromioclavicular joint dislocation
Kyung Hee Univ. Nam-Su Cho, Sung-Ju Bae, Jae-Woo Yang, Hyun-Je Seo, Yong-Girl Rhee
- 19-103 Is vertical fragment acceptable in minimally invasive plate osteosynthesis for acute clavicular midshaft fractures?
Korea univ. Woong Kyo Jeong, Jin Hyeok Lee, Seok Ha Hong, Jin Ho Jeon

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- 19-104 Comparison of arthroscopic partial repair and allogenic dermal matrix augmentation for massive rotator cuff tears
Jeju National Univ. [Sungwook Choi](#), [Sungmin Yoon](#), [Hyunseong Kang](#), [Hyun Chul Yang](#), [Joseph Rho](#)
- 19-111 Combined frozen shoulder & RCT clinical outcome after repair
¹Sungkyunkwan Univ., ²Hallym Univ. [Jae Chul Yoo¹](#), [Hyun Bo Sim¹](#), [Jeung Yeol Jeong²](#)
- 19-117 Quantitative evaluation of fatty infiltration in irreparable rotator cuff tear using IDEAL sequence MRI
Chiba Univ. [Eiko Hashimoto](#), [Nobuyasu Ochiai](#), [Koji Akimoto](#), [Daisuke Nojima](#), [Daisuke Kajiwara](#)
- 19-129 Interscalene brachial plexus bolus block versus patient-controlled interscalene indwelling catheter analgesia for the first 48 hours after arthroscopic rotator cuff repair
¹The Catholic Univ., ²Qassim Univ. [Yang-Soo Kim¹](#), [Aldhafeeri Ali^{1,2}](#), [Hyo-Jin Lee¹](#), [Jong-Ho Kim¹](#), [Ki-Sun Lee¹](#)
- 19-137 Analysis of location and size of rotator cuff tear in spontaneous rupture of long head of biceps tendon through MRI finding
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- 19-143 Arthroscopic revision rotator cuff repair with acellular human dermal matrix allograft augmentation
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- 19-156 Surgical treatment of proximal humerus fracture using the locking plate over 80 years old.
Pusan National Univ. [Suk Woong Kang](#)
- 19-164 Radial head prosthesis replacement for treatment of comminuted fractures of the radial head: report of 5 cases
¹Matsudo City General Hospital, ²Chiba Rosai Hospital, ³Joto Social Insurance Hospital
[Sakae Sano¹](#), [Satoshi Iida¹](#), [Yoshihiro Abe²](#), [Shinobu Saitoh³](#)
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- 19-186 Osteochondritis dissecans at anterior capitellum in a juvenile swimmer treated by arthroscopic multiple drilling - a case report -
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Please carefully review the guidelines below before registration.

- ※ It is only available to make pre-registration via the KSES website <http://kses.or.kr>.
After the deadline it is not available to register online and intended participants must register on-site.
- ※ Registration fee of academic program and President Banquet is waived for foreign participants, but please submit a registration form to the KSES office. (dmdms13@naver.com)

Registration fee

Category	Pre-registration [By March, 22 th (Fri), 2019]	On-site registration [During the Congress]
Members	80,000	100,000
Non-Members	120,000	140,000
Resident / Nurse / Army doctor	50,000	60,000

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President Banquet

Date and time. March 29th (Fri), 2019 18:30

Venue. Seoul Dragon City Shilla Hall (3F)

Fee. With accompanying person (₩120,000) / Individual (₩60,000)

No Yes (With accompanying person) Yes (Individual)

Attire: Please, wear or hold anything that is "Yellow".

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Incheon Airport AREX station > Transfer Seoul Station (Express to Line No. 1) > Yongsan Station (Line No. 1) Gate 3 > 3-minute walk

[By shuttle] (No. 6030 / 90 minutes)

Incheon Airport 1st Floor 6B, 13A > Seoul Dragon City

Fare: KRW 15,000

[By taxi] (57 km / 55 minutes)

Fare: KRW 45,000 ~ 50,000

Gimpo Airport (GMP)

[By Car]

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[By subway] (43 minutes / Express)

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