

 $42^{\rm nd}$ Korean College of Rheumatology Annual Scientific Meeting and the $16^{\rm th}$ International Symposium



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Hybrid Meeting

KCR 2022

42nd Korean College of Rheumatology Annual Scientific Meeting and the 16th International Symposium

May 19(Thu) - 21(Sat), 2022 Seoul Dragon City, Seoul, Korea

Program Book





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42nd Korean College of Rheumatology Annual Scientific Meeting and the 16th International Symposium

May 19(Thu) - 21(Sat), 2022 Seoul Dragon City, Seoul, Korea





Welcome Address of President



Dear colleagues and friends,

It is my great honor to welcome you to KCR 2022, 42nd KCR Annual Scientific Meeting and the 16th International Symposium, which will be held from May 19(Thu) to 21(Sat), 2022, in Seoul, Korea.

Korean College of Rheumatology has been striving to foster quality of care and research for many years, and the annual scientific meeting is the highlight of these efforts that collects the knowledge and connection at one place. KCR 2022 will provide the podiums to the great minds in the field of rheumatology and bring attendees together with significant academic value that can be found from each session.

KCR 2022 offers the special opportunity to celebrate our accomplishments, expand our networks, and jointly explore current and future scientific endeavors. I hope you take a chance to find out about the past and future of rheumatology from the Presidential Plenary Session and Keynote Lectures and catch up with the most recent knowledge and trend from the Joint Symposium and International Symposium.

To extend our warm welcome to the broader range of audience, KCR 2022 will continue providing some of our most featured sessions in the online platform. I hope this opportunity comes in handy especially to our international audiences.

I will look forward to meeting you in KCR 2022, and I hope you join us to make KCR 2022 a grand success!

Sincere regards,

Sang-Heon Lee

President, Korean College of Rheumatology

Welcome Address of Chairman of the Board



Dear colleagues and friends,

I would like to welcome all our distinguished speakers, chairs, and especially the audience to the KCR 2022 - 42nd KCR Annual Scientific Meeting and 16th International Symposium. It will be the leading podium for academic insights in the field of rheumatology.

The KCR 2022's scientific committee has organized a comprehensive program that will facilitate discussions with many innovative ideas. Your participation will be the key to a successful meeting.

We invite you to share your new insights.

KCR 2022 is dedicated to sharing new insights to contribute to the solving of the challenges in the field of rheumatology. It is also striving to transfer expertise and promote the engagement of future generations of scientists and researchers.

I would like to thank the support from the international communities of rheumatologists and the members of KCR. You have made this meeting possible. Thank you.

Best regards,

Tae-Hwan Kim

Chairman of the Board, Korean College of Rheumatology

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Program at a Glance

Day 1: May 19(Thu), 2022

Time	Room A (Grand Ballroom Hanra A & B, 3F)	Room B (Grand Ballroom Baekdu A & B, 5F)	Room C (Grand Ballroom Hanra C, 3F)	Room D (Shilla Room, 3F)	
09:00 - 10:00		Musculoskeletal			
10:00 - 12:00	Year in Review (Clinical)	Year in Review (Basic)		US Workshop I Advanced Course	
	Luncheon Symposium I	Luncheon Symposium II	Luncheon Symposium III		
12:00 - 13:00	E Pfizer	©° ACTEMRA ° tocilizumab	abbvie		
13:00 - 13:10		Opening Remark &	Welcome Address		
13:10 - 14:00	Pı	Presidential Plenary Session			
14:00 - 16:00	International Free Paper Session (Clinical)	Basic Research Workshop for Rheumatologist Animal Models of Key Arthropathies		Musculoskeletal US Workshop II Basic Course	
16:00 - 16:30	Coffee Break				
16:30 - 18:30	International Free Paper Session (Basic)	Clinical Research Workshop for Rheumatologist Planning and Conducting Clinical Research	Editorial Committee Workshop		



Day 2: May 20(Fri), 2022

Time	Room A (Grand Ballroom Hanra A & B, 3F)	Room B (Grand Ballroom Baekdu A & B, 5F)	Room C (Grand Ballroom Hanra C, 3F)
	Breakfast Symposium I	Breakfast Symposium II	Breakfast Symposium III
08:00 - 09:00	abbvie	CELLTRION PHARM CELLTRION	E Pfizer Korea
09:00 - 10:00		Keynote Lecture	
10:00 - 10:30		Coffee Break	
10:30 - 12:00	International Symposium Recent Advances in Pathogenesis of Systemic Lupus Erythematosus	Free Paper Session Epidemiology & Health Services Research	Free Paper Session Sjögren's Syndrome, Systemic Sclerosis, and Inflammatory Myositis
	Luncheon Symposium IV	Luncheon Symposium V	Luncheon Symposium VI
12:00 - 13:00	Lilly Ully Bristol Myers Squibb™		YUHAN SAMSUNG BIOEPIS
13:00 - 14:30	International Symposium 2022 Clinical Research Update of Sjögren's Syndrome	KCR-KAI Joint Symposium	Free Paper Session Osteoarthritis and Orthopedics
14:30 - 15:30	Poster Viewing a	and Coffee Break	
	. ooto: moning c	John District	
15:30 - 17:00	International Symposium Vasculitis Session	Free Paper Session Rheumatoid Arthritis Clinical Research	Medical Humanities Work Ethics and Labor Relation in the COVID-19 Era
17:00 - 17:30	Academic Awards		
17:30 - 18:00	General Assembly		



Program at a Glance

Day 3: May 21(Sat), 2022

Time	Room A (Grand Ballroom Hanra A & B, 3F)	Room B (Grand Ballroom Baekdu A & B, 5F)	Room C (Grand Ballroom Hanra C, 3F)		
	Breakfast Symposium V Breakfast Symposium V		Breakfast Symposium VI		
08:00 - 09:00	SAMSUNG BIOEPIS	Lilly	Janssen Johnson-Johnson		
09:00 - 10:00		Keynote Lecture			
10:00 - 10:30		Coffee Break			
10:30 - 12:00	International Symposium Treatment of Osteoarthritis: To be Used and Abused?	Free Paper Session Spondyloarthritis	Free Paper Session Systemic Lupus Erythematosus		
	Luncheon Symposium VII	Luncheon Symposium VIII	Luncheon Symposium IX		
12:00 - 13:00	U NOVARTIS	AMGEN °	astellas		
13:00 - 14:30	International Symposium Synovial Macrophage and Fibroblast in RA	KCR-KSBMR Joint Symposium	Free Paper Session Vasculitis and Metabolic Bone Disease		
14:30 - 15:30	Poster Viewing and Coffee Break				
15:30 - 17:00	International Symposium New Horizon of Systemic Sclerosis	Free Paper Session Rheumatoid Arthritis Basic Research	Coding and Insurance Guideline in Rheumatic Disease		
17:00 - 17:30	Presentation Awards Session				
17:30 - 18:00	Closing Remark				

KCR 2022 Highlight

Enjoy KCR 2022 Anywhere Virtually



Live Lectures

Do not miss out on KCR 2022 speaker's lectures wherever you are.

From Room A to C, we live stream all the sessions. Join KCR 2022 virtually on your laptop or your phone and have the most fruitful academic experience.



Live Q&A

KCR 2022 will actively interact with the participants by live Q&A for all the sessions.



E-poster

Visit KCR 2022 virtual website to see the various selection of E-posters from all around the world. Discover hundreds of valuable research results and ideas, and do not forget to like and comment on your favorites!

Enjoy KCR 2022 with Translation



English-Korean Translation

KCR 2022 will provide English-Korean Translation for the International Symposium and Keynote Lecture. Enjoy KCR 2022 with live translation for your best conference experience!

Events in Sponsorship Symposium & Exhibition Hall



후원사 심포지엄 참가 이벤트

매일 진행되는 후원사 심포지엄에 참석해

총 5회의 후원사 심포지엄에 모두 참석 하신 분께는 소정의 상품을 드립니다.



온라인 스탬프 투어

온라인 후원사 전시 부스(총 17개)를 모두 방문하시고 스탬프를 찍어주세요. 모든 부스의 스탬프를 찍은 분께는 소정의 상품을 드립니다.



Invited Faculty

Special Lecture



Konkuk Univ.



Song Rheumatology Clinic



The Univ. of Alabama at Birmingham



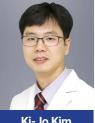
The Johns Hopkins Univ. School of Medicine

KCR-KSBMR Joint Symposium

KCR-KAI Joint Symposium



Hanyang Univ.





The Catholic Univ. of Korea



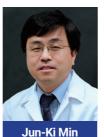
Seoul Nat'l Univ.



Ha Young Kim Univ. of Ulsan



Yonsei Univ.



The Catholic Univ. of Korea

[International Symposium]

Recent advances in Pathogenesis of Systemic Lupus Erythematosus



George Tsokos Harvard Medical School Beth Israel Deaconess Medical Center



AMPEL BioSolutions



POSTECH

[International Symposium]

2022 Clinical research Update of Sjögren's Syndrome

Manuel Ramos-Casal Univ. of Barcelona



Seoul Nat'l Univ.



Paris-Sud Bicêtre

France

[International Symposium]

Vasculitis Session



Peter C. Grayson Nat'l Institutes of Health



Hokkaido Univ.



Hanyang Univ.

[International Symposium]

Treatment of Osteoarthritis: To be Used and Abused?



Univ. of Sydney Australia



Massachusetts General Hosp.



Hallym Univ. Korea

[International Symposium]

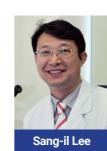
Synovial Macrophage and Fibroblast in RA



Univ. of Erlangen



Brigham & Women's Hosp., Harvard Medical School



Gyeongsang Nat'l Univ.

[International Symposium] New Horizon of Systemic Sclerosis



Royal Free Hosp.

Univ. Hosp. Zurich



Korea



평점 안내 (For Korean)

KCR 2022 May 19(Thu) - 21(Sat), 2022 Seoul Dragon City, Seoul, Korea

◈ 온라인 참가자 유의사항

- 1. 각 세션별로 시작, 종료시 마다 '세션입장', '세션퇴장' 버튼을 반드시 클릭해 주십시오. 각 세션별 입출 기록, 최초 입장시간, 최종 퇴장시간이 없을 경우 평점 인정이 불가합니다.
- 2. 온라인으로 참가하시는 경우 최적의 시청 환경을 위해 PC를 이용하여 참석하시는 것을 추천합니다.
- 3. 세션이 일찍 종료되는 경우에도 시간당 평점 인정을 위해 퇴장하지 마시고 끝나는 시간까지 해당 세션에 머물러 주시기 바랍니다.
- 4. Break time은 평점 이수 시간 산출에 포함되지 않습니다.

◈ 학술대회 평점

	5월 19일(목)	5월 20일(금)	5월 21일(토)
대한의사협회 평점	6평점	6평점(필수평점 2점 포함)	6평점
전공의 평점	학술대회 기간동안 6시간 이수하면 2평점		

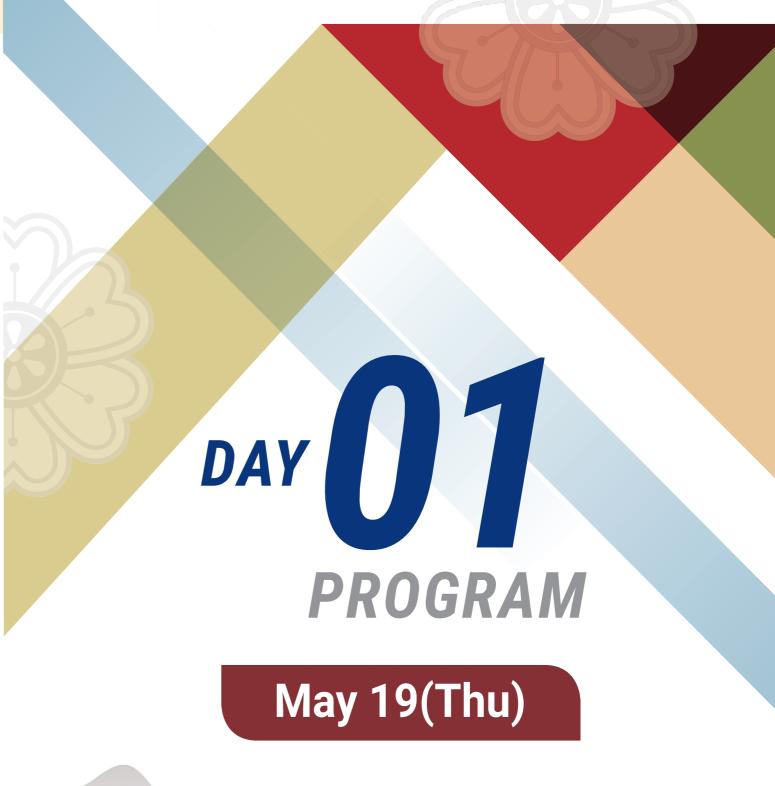
^{*} 평점 확인은 학술대회 종료 후 결과보고가 완료되면 대한의사협회 연수교육 홈페이지 (http://edu.kma.org)로 로그인 후 마이페이지에서 '연수교육 이수확인서'를 출력하실 수 있습니다.

◈ 관절초음파 워크숍



◈ 학술대회 평점

인정 평점
1평점 인정 불가
1평점 인정
2평점 인정
3평점 인정
4평점 인정
5평점 인정
6평점







Day 1. May 19(Thu)

10:00 - 12:00	[Symposium] Year in Review (Clinical)	Room A Korean
Chairs	Won Park (Inha Univ., Korea) Sung Soo Kim (Univ. of Ulsan, Korea)	
10:00 - 10:30	Clinical update of systemic lupus erythematosus Seung-Ki Kwok (The Catholic Univ. of Korea, Korea)	
10:30 - 11:00	Idiopathic inflammatory myositis Jinhyun Kim (Chungnam Nat'l Univ., Korea)	
11:00 - 11:30	Update of IgG4 related disease Yong Gil Kim (<i>Univ. of Ulsan, Korea</i>)	
11:30 - 12:00	Behçet's disease Sang-Won Lee (Yonsei Univ., Korea)	
10:00 - 12:00	[Symposium] Year in Review (Basic)	Room B Korean
Chairs	Sung-Hwan Park (The Catholic Univ. of Korea, Korea) Sang-Hyon Kim (Keimyung Univ., Korea)	
10:00 - 10:30	Emerging concepts of endotypes/phenotypes in osteoarthritis Gunil Im (Dongguk Univ., Korea)	
10:30 - 11:00	Gout: Basic science of gout Seokchan Hong (Univ. of Ulsan, Korea)	
11:00 - 11:30	SpA: Insight into the pathogenesis of SpA Tae-Jong Kim (Chonnam Nat'l Univ., Korea)	
11:30 - 12:00	Update in the pathogenesis of Sjögren's syndrome Jennifer Jooha Lee (The Catholic Univ. of Korea, Korea)	
09:00 - 12:00	[Workshop] Musculoskeletal US Workshop I -Advanced Course	Room D Korean
Chair	Chong-Hyeon Yoon (The Catholic Univ. of Korea, Korea)	
Session 1 : Prac	tical Applications of Musculoskeletal Ultrasound in Rheumatology Clinic	
09:00 - 09:30	How to use ultrasonic equipment settings Hyun Ok Kim (Gyeongsang Nat'l Univ., Korea)	
09:30 - 10:00	Ultrasonographic perspectives in giant cell arteritis, polymyalgia rheumatica and Hyun-Sook Kim (Soonchunhyang Univ., Korea)	l Sjögren's syndrom
10:00 - 10:30	Assessment of rheumatoid arthritis disease activity with ultrasound Ran Song (Kyung Hee Univ., Korea)	

Chair	Hye-Soon Lee (Hanyang Univ., Korea)	
Session 2 : Ultra	asound-guided Injection	
10:30 - 11:00	Ultrasound-guided intra-articular injection Hyoun-Ah Kim (<i>Ajou Univ., Korea</i>)	
11:00 - 11:30	Ultrasound-guided extra-articular injection Chang Hoon Lee (Wonkwang Univ., Korea)	
11:30 - 12:00	The tips and considerations for ultrasound-guided injection Jae Hoon Kim (Korea Univ., Korea)	
12:00 - 13:00	[Luncheon Symposium I – Pfizer] Recent Update of Advanced RA Treatment	Room A Korean
Chair	Sung-Hwan Park (The Catholic Univ. of Korea, Korea)	
12:00 - 12:40	The role of tofacitinib as a JAK pioneer Hyoun-Ah Kim (Ajou Univ., Korea)	
12:00 - 13:00	[Luncheon Symposium II - JW Pharmaceutical] IL-6R Inhibition: Transforming People's Lives, for a Future on Their Term	Room B Korean
Chair	Chang Keun Lee (Univ. of Ulsan, Korea)	
12:00 - 12:40	Evolution of tocilizumab: From rheumatoid arthritis to CAR T cell therapy and COVID-19 Seung-Ki Kwok (The Catholic Univ. of Korea, Korea)	
12:00 - 13:00	[Luncheon Symposium III - AbbVie] Strategies to Solve the Problem of Ankylosing Spondylitis with AbbVie's Assets	Room C Korean
Chair	Sung Won Lee (Dong-A Univ., Korea)	
12:00 - 12:40	The present and future of ankylosing spondylitis treatments Tae-Jong Kim (Chonnam Nat'l Univ., Korea)	



13:10 - 14:00	[Special Lecture] Presidential Plenary Session	Room A, B, C Korean
Chairs	Tae-Hwan Kim (Hanyang Univ., Korea) Sang-Heon Lee (Konkuk Univ., Korea)	
13:10 - 13:35	Changing role of rheumatologist in Korea Sang-Heon Lee (Konkuk Univ., Korea)	
13:35 - 14:00	Past, present and future of rheumatology in Korea Yeong-Wook Song (Song Rheumatology Clinic., Korea)	

14:00 - 16:00		oom A nglish
Chairs	Dae Hyun Yoo (Hanyang Univ., Korea) Chan Hong Jeon (Soonchunhyang Univ., Korea)	
IO-01	Risk of venous thromboembolism in Korean patients with rheumatoid arthritis treated with JAK inhibitors: A nationwide population-based study Yeo-Jin Song (Hanyang Univ., Korea)	
10-02	Increased thromboembolic risk of JAK inhibitors after switching from biologic DMARDs in patients with rheumatoid arthritis Yeonghee Eun (Sungkyunkwan Univ., Korea)	
IO-03	Gut microbiome in patients with established rheumatoid arthritis: Factors associated with the composition, and its value of predicting treatment response Jung Hee Koh (The Catholic Univ. of Korea, Korea)	
10-04	Time-averaged DAS28 and HAQ predict cardiovascular disease in patients with rheumatoid Data from KORONA registry Hong Ki Min (Konkuk Univ., Korea)	arthritis
IO-05	Increased cardiovascular risk in patients with systemic lupus erythematosus: population-base Cohort Study in Korea Jungyong Han (Hanyang Univ., Korea)	sed
10-06	Long-term exposure to PM10 and systemic-lupus-erythematosus-related mortality in the Korean public Ji-Hyoun Kang (Chonnam Nat'l Univ., Korea)	oopulatio
10-07	Neutralizing antibody formation after COVID-19 vaccination in elderly patients with rheumatoic Eunsong Kang (Asan Medical Center, Korea)	d arthriti
IO-08	Immunogenicity and safety of inactivated and mRNA COVID-19 vaccines in patients with systemic lupus erythematosus Ho So (The Chinese Univ. of Hong Kong, Hong Kong)	
10-09	Clinical characteristics and prognosis of patients with anti-melanoma differentiation-related gene 5 (MDA5) related diseases Chen Yu (Peking Union Medical College Hosp., China)	
IO-10	Three-dimensional analysis of the trapezium subchondral bone and its association with trapeziometacarpal joint osteoarthritis Ji Sup Hwang (Seoul Nat'l Univ., Korea)	

14:00 - 16:00	[Workshop] Basic Research Workshop for Rheumatologist: Animal Models of Key Arthropathies	Room B Korean
Chairs	Young Mo Kang (Kyungpook Nat'l Univ., Korea) Jun-Ki Min (The Catholic Univ. of Korea, Korea)	
14:00 - 14:30	Animal models of osteoarthritis (OA) Je-Hwang Ryu (Chonnam Nat'l Univ., Korea)	
14:30 - 15:00	Experimental procedures of mouse OA research Gyuseok Lee (Chonnam Nat'l Univ., Korea)	
15:00 - 15:30	Animal models of rheumatoid arthritis Seung-Ah Yoo (The Catholic Univ. of Korea, Korea)	
15:30 - 16:00	Experimental procedures of mouse arthritis models Saseong Lee (The Catholic Univ. of Korea, Korea)	

13:30 - 16:30	[Workshop] Musculoskeletal US Workshop II -Basic Course	Room D Korean
Chair	Hae-Rim Kim (Konkuk Univ., Korea)	

Session 1: Introduction to Musculoskeletal Ultrasound in Rheumatology

13:30 - 14:00	Musculoskeletal ultrasound in rheumatology – Upper extremities Jae Hyun Jung (Korea Univ., Korea)
14:00 - 14:30	Musculoskeletal ultrasound in rheumatology – Lower extremities Ju-Yang Jung (Ajou Univ., Korea)
14:30 - 15:30	Workshop – Upper extremities Tutors Wrist & elbow: Yun Sung Kim (Chosun Univ. Hosp., Korea), Jin Su Park (NHIS Ilsan Hosp., Korea) Shoulder: Young Bin Joo (Hanyang Univ., Korea), Yune-Jung Park (The Catholic Univ. of Korea, Korea)
15:30 - 16:30	Workshop – Lower extremities Tutors Knee: Min Kyung Chung (Ewha Womans Univ., Korea), Jinhee Lee (The Catholic Univ. of Korea, Korea) Ankle & Foot: In Ah Choi (Chungbuk Nat'l Univ., Korea), Young Sun Suh (Gyeongsang Nat'l Univ., Korea)



16:30 - 18:30	[Free Paper Session] International Free Paper Session (Basic)	Room A English
Chairs	Yeong-Wook Song (Song Rheumatology Clinic., Korea) Jason Jungsik Song (Yonsei Univ., Korea)	
IO-11	Identification of a key regulator of MYH9 for synoviocyte migration and invasion throusecretome profiling Saseong Lee (The Catholic Univ. of Korea, Korea)	ıgh
IO-12	Multi-omics identifies S100 proteins as biomarkers of RA progression which can be re by epigenetic drugs Marzena Ciechomska (Nat'l Institute of Geriatrics, Poland)	egulated
10-13	Dysfunction of parkin increases osteoclast activity linking to bone erosion of inflamm. Ji-Eun Kim (Univ. of Ulsan, Korea)	atory arthritis
10-14	Cell-specific activation of PADI4 promoter in human fibroblast-like synoviocytes from with rheumatoid arthritis Khrystyna Malysheva (S. Gzhytskyi Nat'l Univ. of Veterinary Medicine and Biotechnologies, Ukraine)	patients
IO-15	Effect of disease-modifying anti-rheumatic drugs on lung microenvironment of SKG n Sung Hae Chang (Soonchunhyang Univ., Korea)	nice
IO-16	Peptoniphilus gorbachii ameliorates collagen-Induced arthritis in mice by improving in homeostasis and immune regulation Young Sun Suh (Gyeongsang Nat'l Univ., Korea)	ntestinal
IO-17	The immune mechanism of Janus kinase inhibitors on Shingles in rheumatoid arthritic Hong Ki Min (Konkuk Univ., Korea)	s patients
IO-18	Identification of the HLA-B*51:01 immunopeptidome in Behçet's disease Ye-Ji Lee (Seoul Nat'l Univ., Korea)	
IO-19	Inhibition of NADPH oxidases prevent the development of osteoarthritis Jin Han (Kyungpook Nat'l Univ., Korea)	

16:30 - 18:30	[Workshop] Clinical Research Workshop for Rheumatologists: Planning and Conducting Clinical Research	Room B Korean
Chairs	Gwan Gyu Song (Korea Univ., Korea) Kichul Shin (Seoul Nat'l Univ., Korea)	
16:30 - 17:00	Setting up a prospective cohort Sang-Cheol Bae (Hanyang Univ., Korea)	
17:00 - 17:30	Conducting a retrospective clinical study using Korea National Health Insurance data Hyun Jung Kim (Korea Univ., Korea)	
17:30 - 18:00	How to start IITs from scratch Howard Lee (Seoul Nat'l Univ., Korea)	
18:00 - 18:30	e-CRF tools for Investigator Initiated Trial Soo-Hwan Kim (Dt&CRO, Korea)	

16:30 - 18:30	[Workshop] Editorial Committee Workshop	Room C Korean
Chairs	Young Ho Lee (Korea Univ., Korea) Seong-Kyu Kim (Daegu Catholic Univ., Korea)	
16:30 - 17:00	Suggestions to be indexed in SCIE and get high impact factor Hyun Jun Park (Pusan Nat'l Univ., Korea)	
17:00 - 17:30	Successful submission strategy on SCI journal Hwichool Kim (Editage, Korea)	
17:30 - 18:00	Biostatistics for clinical researchers Hyonggin An (Korea Univ., Korea)	
18:00 - 18:30	New PubMed: Searching tips & more! Sung Ae Park (Korea Univ. Medical Library, Korea)	





Day 2. May 20(Fri)



The Session with the icon provides English-Korean translation 통역 아이콘이 표시된 세션은 한-영 동시통역을 제공합니다.

08:00 - 09:00	[Breakfast Symposium I – AbbVie] Strategies to Solve the Problem of Rheumatoid Arthritis with AbbVie's Assets	Room A Korean
Chair	Seung-Jae Hong (Kyung Hee Univ., Korea)	
08:00 - 08:40	Management of rheumatoid arthritis considering safety Ki-Jo Kim (The Catholic Univ. of Korea, Korea)	

08:00 - 09:00	[Breakfast Symposium II – Celltrion] Real-world Switching Case of CT-P17	Room B English
Chair	Shin-Seok Lee (Chonnam Nat'l Univ., Korea)	
08:00 - 08:40	Clinical data and real-world switching case of CT-P17 Hubert Marotte (Centre Hospitalier Universitaire(CHU) de Saint-Étienne, France)	

08:00 - 09:00	[Breakfast Symposium III - Pfizer] Real-World Perspectives of Ankylosing Spondylitis Management	Room C Korean
Chair	Eun Young Lee (Seoul Nat'l Univ., Korea)	
08:00 - 08:40	Insights from real-world: Practical approach to anti TNF therapy for AS treatment Jun Won Park (Seoul Nat'l Univ., Korea)	

09:00 - 10:00	[Keynote Lecture] Keynote Lecture	Room A, B, C English
Chair	Tae-Hwan Kim (Hanyang Univ., Korea)	
09:00 - 10:00 Current threats to the specialty of rheumatology in the US and internationally: A call to action Kenneth Saag (The Univ. of Alabama at Birmingham, USA)		

10:30 - 12:00	[International Symposium] Recent Advances in Pathogenesis of Systemic Lupus Erythematosus	Room A English
Chairs	Sang-Cheol Bae (Hanyang Univ., Korea) Seung-Cheol Shim (Chungnam Nat'l Univ., Korea)	
10:30 - 11:00	New concepts on the pathogenesis of lupus nephritis George Tsokos (Harvard Medical School, Beth Israel Deaconess Medical Center, USA)	
11:00 - 11:30	New insights into the role of antinuclear antibodies in systemic lupus erythematosus Peter E. Lipsky (AMPEL BioSolutions, USA)	
11:30 - 12:00	ETV5 promotes Tfh cell differentiation and the pathogenesis of systemic lupus erythema Yoontae Lee (POSTECH, Korea)	atosus

10:30 - 12:00	[Free Paper Session] Epidemiology & Health Services Research Room B Korean
Chairs	Choong-Ki Lee (Yeungnam Univ., Korea) Jinseok Kim (Jeju Nat'l Univ., Korea)
0-01	Safety and clinical influences of COVID-19 vaccination in patients with autoimmune rheumatic disease Youngjae Park (The Catholic Univ. of Korea, Korea)
0-02	Autoantibody profiles in patients with COVID-19 infection Hyemin Jeong (Soonchunhyang Univ., Korea)
0-03	Association between cardiovascular outcome and rheumatoid arthritis: nationwide population- based cohort study Seonyoung Kang (Sungkyunkwan Univ., Korea)
0-04	Increased risk of malignancy in patients with Takayasu's arteritis: A population-based cohort study in Korea Seulkee Lee (Sungkyunkwan Univ., Korea)
0-05	Increased risk of herpes zoster in patients with rheumatoid arthritis using tofacitinib compared with tumor necrosis factor inhibitor Yeo-Jin Song (Hanyang Univ., Korea)
0-06	Clinical course and risk factors for development and progression of interstitial lung disease in primary Sjögren's syndrome: a single centered, retrospective, observational study Kyung-Ann Lee (Soonchunhyang Univ., Korea)
0-07	Comparison of prescription drug use patterns during pregnancy and postpartum in Korean wome with rheumatic conditions: A national population-based study Jin Su Park (Nat'l Health Insurance Service Ilsan Hosp., Korea)
0-08	Multidimensional correlates to chronic pain among patients with musculoskeletal pain in different rheumatic diseases: Based on the Biopsychosocial approach Hyoun-Ah Kim (Ajou Univ., Korea)



10:30 - 12:00	[Free Paper Session] Sjögren's Syndrome, Systemic Sclerosis, and Inflammatory Myositis	Room C English & Korean
Chairs	Seong Wook Kang (Chungnam Nat'l Univ., Korea) Myeung Su Lee (Wonkwang Univ., Korea)	
0-09	IL-17 and CCR9+α4β7 – Th17 cells promote salivary gland inflammation, dysfunction, and cell death in Sjögren's syndrome Jin-Sil Park (The Catholic Univ. of Korea, Korea)	
0-10	Correlations between salivary scintigraphic and histopathologic data of salivary gland in patients with Sjögren's syndrome Ji-Won Kim (Ajou Univ., Korea)	s
0-11	Impact of age on the diagnostic performance of unstimulated salivary flow rates an ultrasound for primary Sjögren's syndrome Kyung-Ann Lee (Soonchunhyang Univ., Korea)	d salivary gland
0-12	Reduced Rxr-α signaling increases dry eye disease inducing γδ T17 cells in the conjur Jehan Alam (Baylor College of Medicine, USA)	nctiva
0-13	Angiographic characteristics of vasculopathy in patients with idiopathic inflammatory and systemic sclerosis Jina Yeo (Gachon Univ., Korea)	myopathies
0-14	The association of anti-cyclic citrullinated peptide antibody with interstitial lung disea in systemic sclerosis: a retrospective analysis Jangwoo Ha (Yonsei Univ., Korea)	se
0-15	Ultrasound may detect subclinical interstitial lung disease in systemic sclerosis MARWIN Gutierrez (Instituto Nacional de Rehabilitacion, Italy)	
0-16	Expressions of CCR2 and CCL2, and association between their expression and NET st in adult-onset Still's disease Ju-Yang Jung (Ajou Univ., Korea)	imulation
0-17	Increased expression of receptor for advanced glycation end-products in sarcopenic patien Ji Sup Hwang (Seoul Nat'l Univ., Korea)	t skeletal muscle

12:00 - 13:00	[Luncheon Symposium IV - Lilly] The Role of Baricitinib in the Treatment of RA	Room A Korean
Chair	Yong-Beom Park (Yonsei Univ., Korea)	
12:00 - 12:40	Baricitinib in the real-world data Yun-Hong Cheon (Gyeongsang Nat'l Univ., Korea)	

12:00 - 13:00	[Luncheon Symposium V – BMS] Real World Evidences in Long-term RA Treatment with Biologics	Room B Korean
Chair	Wan-Uk Kim (The Catholic Univ. of Korea, Korea)	
12:00 - 12:20	Real world evidences and considerations for long-term persistence of biologics in RA Sang-Hyon Kim (Keimyung Univ., Korea)	
12:20 - 12:40	Real world evidences of RA treatment with biologics in Korea Jennifer Jooha Lee (The Catholic Univ. of Korea, Korea)	
12:00 - 13:00	[Luncheon Symposium VI – Yuhan] The New Adalimumab Option in Rheumatic Diseases Treatment	Room C English
Chair	Seung-Cheol Shim (Chungnam Nat'l Univ., Korea)	
12:00 - 12:40	ADALLOCE® (SB5) adalimumab in rheumatic diseases: Data from clinical trials and the r Carlo Selmi (Humanitas Univ., Italy)	eal world
13:00 - 14:30	[International Symposium] 2022 Clinical Research Update of Sjögren's Syndrome	Room A English
Chairs	Shin-Seok Lee (Chonnam Nat'l Univ., Korea) Yun Jong Lee (Seoul Nat'l Univ., Korea)	
13:00 - 13:30	Big data Sjögren project consortium Manuel Ramos-Casals (<i>Univ. of Barcelona, Spain</i>)	
13:30 - 14:00	ESSPRI, a single term with multiple meanings: A consideration based on Korean studies Yun Jong Lee (Seoul Nat'l Univ., Korea)	s
14:00 - 14:30	Current and future treatment of primary Sjögren's syndrome Xavier Mariette (Hôpitaux Universitaires Paris-Sud Bicêtre, France)	
13:00 - 14:30	[Symposium] KCR-KAI Joint Symposium	Room B Korean
Chairs	Tae-Hwan Kim (Hanyang Univ., Korea) Wan-Uk Kim (The Catholic Univ. of Korea, Korea)	
13:00 - 13:30	Role of bystander T cells in autoimmune diseases Je-Min Choi (Hanyang Univ., Korea)	
13:30 - 14:00	Exploration of the key driving molecules in systemic sclerosis-associated interstitial luithe advanced bioinformatic analysis Ki-Jo Kim (The Catholic Univ. of Korea, Korea)	ng disease by
14:00 - 14:30	ZIP8 exacerbates collagen-induced arthritis by increasing pathogenic T cell responses Sung-Gyoo Park (Seoul Nat'l Univ., Korea)	



13:00 - 14:30	[Free Paper Session] Osteoarthritis and Orthopedics	Room C English & Korean
Chairs	Sung Won Lee (Dong-A Univ., Korea) Hyun Sik Gong (Seoul Nat'l Univ., Korea)	
0-18	Sodium chloride affects cartilage associated marker expression during in vitro chond from induced pluripotent stem cell Kijun Lee (The Catholic Univ. of Korea, Korea)	rogenesis
0-19	Immunomodulation by mesenchymal stromal cell exosomes in osteoarthritis Kristeen Ye Teo (Nat'l Univ. of Singapore, Singapore)	
0-20	Mitochondrial transplantation ameliorates the development and progression of osteo A Ram Lee (The Catholic Univ. of Korea, Korea)	arthritis
0-21	Soluble CCR2 gene therapy controls joint inflammation, cartilage damage, and the proof osteoarthritis by targeting MCP-1 in a monosodium iodoacetate (MIA)-induced OA Hyun Sik Na (The Catholic Univ. of Korea, Korea)	
0-22	The potential role of SIRT1 in osteoarthritis pain treatment by blocking the nerve grow Sang Yeob Lee (Dong-A Univ., Korea)	vth factors
0-23	Coenzyme Q10 encapsulated in micelles ameliorates osteoarthritis by inhibiting inflami Hyun Sik Na (The Catholic Univ. of Korea, Korea)	natory cell death
0-24	Associations between body composition measurements of obesity and the radiograp progression of hand osteoarthritis: Data from the Dong-gu Study Sung-Eun Choi (Chonnam Nat'l Univ., Korea)	hic
0-25	Association of serum uric acid level with bone mineral density in peri-menopausal and postmenopausal Korean women: A single-center study of 3566 cases Seongmin Kang (Univ. of Ulsan, Korea)	
0-26	The relationship between the osteoporosis and cortial index of the mandibular bone in rhe Gürkan Iden (Dr. Yaşar Eryılmaz Doğubeyazıt Devlet Hastanesi, Turkey)	eumatoid arthritis

15:30 - 17:00	[International Symposium] Vasculitis Session	Room A English
Chairs	Bin Yoo (Univ. of Ulsan, Korea) Chan-Bum Choi (Hanyang Univ., Korea)	
15:30 - 16:00	Somatic mutations in rheumatologic diseases: VEXAS syndrome and beyond Peter C. Grayson (Nat'l Institutes of Health, USA)	
16:00 - 16:30	Recent basic studies in ANCA-associated vasculitis Akihiro Ishizu (Hokkaido Univ., Japan)	
16:30 - 17:00	Systemic vasculitis in Korea Chan-Bum Choi (Hanyang Univ., Korea)	

15:30 - 17:00	[Free Paper Session] Rheumatoid Arthritis Clinical Research Room B English & Korean
Chairs	Jung-Yoon Choe (Daegu Catholic Univ., Korea) Jung Soo Song (Chung-Ang Univ., Korea)
0-27	Comparative effectiveness of janus kinase inhibitors and biologic disease-modifying antirheumatic drugs in Korean patients with rheumatoid arthritis; an interim analysis of the real-world study Soo-Kyung Cho (Hanyang Univ., Korea)
0-28	Comparative Effectiveness and Safety profiles of baricitinib and tofacitinib in Rheumatoid arthritis: A Real-World, Single Center Study Bong-Woo Lee (The Catholic Univ. of Korea, Korea)
0-29	Comparative efficacy and safety of IL-6/JAK/STAT pathway inhibitors in rheumatoid arthritis: systematic review and network meta-analysis Rudra Goswami (AIIMS, India)
0-30	Impact of early age at menopause on disease outcomes in postmenopausal women with rheumatoid arthritis: Results from a large observational cohort of Korean patients with rheumatoid arthritis Eun Hye Park (Chung-Ang Univ., Korea)
0-31	The implication of persistent pain in patients with rheumatoid arthritis albeit in DAS28-remission: data from the KOBIO registry Hyoun-Ah Kim (Ajou Univ., Korea)
0-32	Increased risk of dementia in patients with rheumatoid arthritis: a nationwide population-based cohort study Younghee Eun (Sungkyunkwan Univ., Korea)
0-33	Retention rate and safety of biologics or targeted synthetic disease modifying anti-rheumatic drugs in patients with rheumatoid arthritis associated with interstitial lung disease: Results from the KOBIO registry Sun-Kyung Lee (Hanyang Univ., Korea)
0-34	Tumor Necrosis Factor (TNF) inhibitors does not accelerate the progression of RA-ILD: results from the KORAIL cohort Sang Wan Chung (Kyung Hee Univ., Korea)

15:00 - 17:00	[Symposium] Medical Humanities: Work Ethics and Labor Relation in the COVID-19 Era	Room C Korean
Chairs	Yong-Beom Park (Yonsei Univ., Korea) Geun-Tae Kim (Kosin Univ., Korea)	
15:00 - 16:00	The ethics of hospital human resource development during the pandemic: Ethical prin Ilhak Lee (Yonsei Univ., Korea)	ciples
16:00 - 17:00	Labor issues in the COVID-19 situation: Cases and alternatives Dong Wook Yun (Law Firm Seo-Hee, Korea)	





Day 3. May 21(Sat)



The Session with the icon provides English-Korean translation 통역 아이콘이 표시된 세션은 한-영 동시통역을 제공합니다.

08:00 - 09:00	[Breakfast Symposium IV - Yuhan] Valuable Options for Treatment Rheumatic Disease	Room A Korean
Chair	Jinseok Kim (Jeju Nat'l Univ., Korea)	
08:00 - 08:40	Biosimilar: Past, present and future Seung-Jae Hong (<i>Kyung Hee Univ., Korea</i>)	

08:00 - 09:00	[Breakfast Symposium V – Lilly] Ixekizumab: Recent Updates on the Treatment of Spondyloarthritis	Room B Korean
Chair	Seong-Ho Kim (Inje Univ., Korea)	
08:00 - 08:40	IL-17 inhibition in spondyloarthritis: The efficacy of Ixekizumab and clinical relevance Yeon-Ah Lee (Kyung Hee Univ., Korea)	

08:00 - 09:00	[Breakfast Symposium VI – Janssen] Redefine Persistence in AS Management	Room C Korean
Chair	Chang-Hee Suh (Ajou Univ., Korea)	
08:00 - 08:40	Long-lasting Golimumab in AS: Learnings from real-world evidence Bon San Koo (<i>Inje Univ., Korea</i>)	

09:00 - 10:00	[Keynote Lecture] Keynote Lecture	자 A	Room A, B, C English
Chair	Sang-Heon Lee (Konkuk Univ., Korea)		
09:00 - 10:00	The future of rheumatology Antony Rosen (The Johns Hopkins Univ. School of Medicine, USA)		

10:30 - 12:00	[International Symposium] Treatment of Osteoarthritis: To be Used and Abused?	A 7	Room A English
Chairs	Han Joo Baek (Gachon Univ., Korea) Hyun Ah Kim (Hallym Univ., Korea)		
10:30 - 11:00	Hype and truth - treatment paradigm of osteoarthritis David Hunter (Univ. of Sydney, Australia)		
11:00 - 11:30	Addicted to prescription, medical abuse of osteoarthritis Yuqing Zhang (Massachusetts General Hosp., USA)		
11:30 - 12:00	Use or abuse? APM for degenerative meniscus in osteoarthritis Hyun Ah Kim (Hallym Univ., Korea)		

10:30 - 12:00	[Free Paper Session] Spondyloarthritis Room B Korean
Chairs	Hoon-Suk Cha (Sungkyunkwan Univ., Korea) Eun Young Lee (Seoul Nat'l Univ., Korea)
0-35	Physical trauma exacerbates arthritis and enthesitis in curdlan-administered SKG mice model Seung Hoon Lee (Hanyang Univ., Korea)
0-36	PPM1A promotes matrix mineralization of osteoblasts differentiation via FOXO1A-RUNX2 pathway in ankylosing spondylitis Subin Weon (Hanyang Univ., Korea)
0-37	A pilot study on deep learning-based grading of the corner of vertebral body for the assessment of radiographic progression in patients with ankylosing spondylitis Bon San Koo (Inje Univ., Korea)
0-38	Analysis of radiographic progression in patients with ankylosing spondylitis: Using group-based trajectory modeling and decision trees Juyeon Kang (Inje Univ., Korea)
0-39	The spinal radiographic change correlates with past alkaline phosphatase levels in patients with ankylosing spondylitis Bon San Koo (Inje Univ., Korea)
0-40	CCL20 inhibition for treating inflammation in ankylosing spondylitis Hui-Ju Kim (Chonnam Univ., Korea)
0-41	Metagonimus yokogawai-derived protein attenuates inflammation in ankylosing spondylitis Moon-Ju Kim (Chonnam Univ., Korea)
0-42	Long-term treatment with ixekizumab in patients with axial spondyloarthritis: Two-year results from COAST-Y Young In Eom (Lilly Korea Ltd, Korea)



10:30 - 12:00	[Free Paper Session] Systemic Lupus Erythematosus	Room C English & Korean
Chairs	Jisoo Lee (Ewha Womans Univ., Korea) Chang-Hee Suh (Ajou Univ., Korea)	
0-43	B cell-specific deletion of Crif1 drives lupus-like autoimmunity by activation of IL-17 and pathogenic Tfh cells Jin-Sil Park (The Catholic Univ. of Korea, Korea)	, IL-6,
0-44	Biological insights into systemic lupus erythematosus through an immune cell-specitranscriptome-wide association study Xianyong Yin (Univ. of Michigan, USA)	fic
0-45	The association between CD40 rs4810485 polymorphism and susceptibility of syste erythematosus: Systematic review and meta analysis Rizki Febriawan (Utama Hosp Belitung, Indonesia)	mic lupus
0-46	The role of sphingolipids in patients with systemic lupus erythematosus Ji-Won Kim (Ajou Univ., Korea)	
0-47	Combined model of renal histopathology and clinical parameters better predict one y outcomes in lupus nephritis: Analysis of 334 kidney biopsies Aishwarya Gopal (Jawaharlal Institute of Postgraduate Medical Education and Research, India)	ear renal
0-48	Coexisting tubulointerstitial inflammation and damage is a risk factor for chronic kid in patients with lupus nephritis: Results from the KORNET registry Dong-Jin Park (Chonnam Nat'l Univ., Korea)	ney disease
0-49	Subtherapeutic hydroxychloroquine concentration is associated with increased disc greater organ damage during 5-year follow-up in patients with systemic lupus erythe Ji-Hyoun Kang (Chonnam Nat'l Univ., Korea)	
O-50	Effect of smoking on thrombotic events in antiphospholipid syndrome: A large prospect Hui Jang (Chinese Academy of Medical Sciences & Peking Union Medical College, China)	ctive cohort study
0-51	Efficacy of rivoraxaban in patients with antiphospholipid syndrome Zumrad Ubaydullaeva (Republican Specialized Scientific Practical Medical Center of Therapy and Medical Reha	bilitation, Uzbekistan)

12:00 - 13:00	[Luncheon Symposium VII – Novartis] Understanding IL-17 Inhibition in SpA	Room A English
Chair	Hoon-Suk Cha (Sungkyunkwan Univ., Korea)	
12:00 - 12:40	The role of IL-17A in Ankylosing spondylitis and axial PsA Matthew Brown (King's College London, UK)	

12:00 - 13:00	[Luncheon Symposium VIII - Amgen] Move Forward with the Long-term Protection of Prolia	Room B Korean
Chair	Dae Hyun Yoo (Hanyang Univ., Korea)	
12:00 - 12:40	Denosumab key clinical questions Sung Soo Kim (<i>Univ. of Ulsan, Korea</i>)	
12:00 - 13:00	[Luncheon Symposium IX – Astellas] Tacrolimus	Room C Korean
Chair	Jung-Yoon Choe (Daegu Catholic Univ., Korea)	
12:00 - 12:40	Tacrolimus in rhematoid arthritis Chan-Bum Choi (Hanyang Univ., Korea)	
13:00 - 14:30	[International Symposium] Synovial Macrophage and Fibroblast in RA	Room A English
Chairs	Yong-Wook Park (Chonnam Nat'l Univ., Korea) Seungwoo Han (Kyungpook Nat'l Univ., Korea)	
13:00 - 13:30	Synovial macrophages as gatekeepers of inflammation Gerhard Krönke (Univ. of Erlangen, Germany)	
13:30 - 14:00	Cellular deconstruction of inflamed synovium defines diverse inflammatory phenotypes in rhet Soumya Raychaudhuri (Brigham & Women's Hosp., Harvard Medical School, USA)	umatoid arth
14:00 - 14:30	Roles of stromal cells and potential significance for future therapy in RA Sang-il Lee (Gyeongsang Nat'l Univ., Korea)	

13:00 - 14:30	[Symposium] KCR-KSBMR Joint Symposium	Room B Korean
Chairs	Sang-Heon Lee (Konkuk Univ., Korea) Yong-Chan Ha (Seoul Bumin Hosp., Korea)	
13:00 - 13:30	Anabolic therapy for osteoporosis Ha Young Kim (Univ. of Ulsan, Korea)	
13:30 - 14:00	Ideal sequential therapy in osteoporosis management Kyoung Min Kim (Yonsei Univ., Korea)	
14:00 - 14:30	Prevention and treatment of fracture in RA Jun-Ki Min (The Catholic Univ. of Korea, Korea)	



13:00 - 14:30	[Free Paper Session] Vasculitis and Metabolic Bone Disease	Room C English & Korean
Chairs	Soo Kon Lee (CHA Univ., Korea) Chang Keun Lee (Univ. of Ulsan, Korea)	
0-52	Update on comparative cardiovascular safety of febuxostat versus allopurinol among with gout Se Rim Choi (Seoul Nat'l Univ., Korea)	patients
0-53	The utility of dual-energy computed tomography in predicting gout flares in gout patients after discontinuing colchicine prophylaxis Min Jung Kim (Seoul Nat'l Univ., Korea)	
0-54	Effects of long-term febuxostat or allopurinol on the progression of chronic kidney disease Byeongzu Ghang (Jeju Nat'l Univ., Korea)	
0-55	A cross-sectional internet survey of gout management and outcomes during establis COVID-19 pandemic in 2020-2021 Jasvinder Singh (Univ. of Alabama at Birmingham, USA)	hed
0-56	The effect of Behçet's disease on carotid intima media thickness and its relationship with Merve Polat (Karadeniz Technical Univ., Turkey)	h disease activity
0-57	Reclassification of patients with previously diagnosed GPA according to both the 201 definitions and the 2007 EMA algorithm using the 2022 ACR/EULAR criteria Jung Yoon Pyo (Yonsei Univ., Korea)	2 CHCC
O-58	Patterns of coronary involvement of antineutrophil cytoplasmic antibody (ANCA) -ass vasculitis in Korean patients Jinseok Kim (Yonsei Univ., Korea)	sociated
0-59	Comparison of ultrasound-guided trigger-point needling and blinded needling for myofascial pain syndrome Recep Sade (Ataturk Univ., Turkey)	

15:30 - 17:00	[International Symposium] New Horizon of Systemic Sclerosis	A ⁷	Room A English
Chairs	Jae-Bum Jun (Hanyang Univ., Korea) Eun Bong Lee (Seoul Nat'l Univ., Korea)		
15:30 - 16:00	Update in the pathogenesis of systemic sclerosis Christopher Denton (<i>Royal Free Hosp., UK</i>)		
16:00 - 16:30	Update in interstitial lung disease in SSc Oliver Distler (Univ. Hosp. Zurich, Switzerland)		
16:30 - 17:00	Update in pulmonary arterial hypertension in SSc Eun Bong Lee (Seoul Nat'l Univ., Korea)		

15:30 - 17:00	[Free Paper Session] Rheumatoid Arthritis Basic Research	Room B English & Korean
Chairs	Ho-Youn Kim (Ho-Youn Kim's Clinic for Arthritis-Rheumatism, Korea) Sang-il Lee (Gyeongsang Nat'l Univ., Korea)	
0-60	Orosomucoid acid-2, an acute phase reactant, promotes rheumatoid inflammation Kimyo Kim (The Catholic Univ. of Korea, Korea)	
0-61	LKB1 regulates the migration of fibroblast-like synoviocytes via oxidative stress-induced inflammatory cytokines in patients with rheumatoid arthritis Ha-Reum Lee (Chungnam Nat'l Univ., Korea)	
0-62	Postranslational modification in mammals protects citrullinated MCP1/CCL2 chemolefrom partial degradation Nataliia Korchynska (Rzeszow Univ., Poland)	kine
0-63	Assessment of disease activity in patients with rheumatoid arthritis utilizing plasma t M2-pyruvate kinase test Sung Soo Ahn (Yonsei Univ., Korea)	tumor
0-64	Association analysis of a MUC5B promoter variant rs35705950 with rheumatoid arthritis-interstitial lung disease in Korea Young Bin Joo (Hanyang Univ., Korea)	
0-65	Therapeutic effect of folic acid in collagen-induced arthritis mouse model Kijun Lee (The Catholic Univ. of Korea, Korea)	

15:30 - 17:00	[Symposium] Coding and Insurance Guideline in Rheumatic Disease	Room C Korean
Chairs	Young Il Seo (Hallym Univ., Korea) Seung-Jae Hong (Kyung Hee Univ., Korea)	
15:30 - 16:00	Rheumatic diseases and KCD 8th revision Sukil Kim (The Catholic Univ. of Korea, Korea)	
16:00 - 16:30	Principles and future prospects of insurance benefits in rheumatoid diseases Gihyeon Seo (Health Insurance Review and Assessment Service, Korea)	
16:30 - 17:00	Insurance guideline and tips for treatment of rheumatic disease Seung-Jae Hong (Kyung Hee Univ., Korea)	





No.	Title	Presenter		
	RA-pathogenesis and animal model & Cytokines and mediators			
P-001	Anti-arthritic activities of the Eleutherococcus senticosus, Achyranthes japonica, and Atractylodes japonica mixed extract fermented with nuruk in a type II collagen-induced arthritis mouse model	Chong Hyuk Chung (School of Medicine, Wonkwang Univ., Korea)		
P-002	A green-lipped mussel prevents rheumatoid arthritis via regulation of inflammatory response and osteoclastogenesis	Hong Ki Min (Department of Internal Medicine, Konkuk Univ. Medical Center, Korea)		
P-003	HLA-DRB1 non-SE fine specificity associations with anti-RA33 autoantibody positivity in rheumatoid arthritis patients stratified by different serological phenotypes	Nurul Aain Ahmad fauzi (Institute for Medical Research, Nat'l Institutes of Health Complex, Ministry of Health Malaysia, Malaysia)		
P-004	Precision nanomedicine in rheumatoid arthritis: customized multifunctional polymeric nanocarriers for alleviation of inflammation severity in rheumatoid arthritic rats	ANAS Ahmad (Cumming School of Medicine, Univ. of Calgary, Canada)		
P-005	APE1 inhibits the inflammation of fibroblast-like synoviocytes via oxidative stress regulation in patients with rheumatoid arthritis	Ha-Reum Lee (Chungnam Nat'l Univ. School of Medicine, Korea)		
P-006	A novel cytokine consisting of p40 and EBI3 subunits suppresses experimental autoimmune arthritis via reciprocal regulation of Th17 and Treg cells	Seon-Yeong Lee (The Catholic Univ. of Korea, Korea)		

No.	Title	Presenter		
	RA-clinical aspects			
P-007	Seasonal analysis of relative search volume of rheumatoid arthritis in Korea	Eunsung Kim (Bumin Hosp., Korea)		
P-008	Cardiac hydatid cyst in a patient with rheumatoid arthritis	Giorgi Apkhazava (Tbilisi City Medical, Georgia)		
P-009	Course of COVID-19 in patients with rheumatoid arthritis (own data)	Eugenia Aronova (V.A. Nasonova Research Institute of Rheuma- tology, Russian Federation)		
P-010	Study of the features of post-covid syndrome in patients with rheumatoid arthritis	Eugenia Aronova (V.A. Nasonova Research Institute of Rheuma- tology, Russian Federation)		
P-011	Ultrasound as a potential tool to detect interstitial lung disease in daily clinical setting of patients with rheumatoid arthritis	MARWIN Gutierrez (Instituto Nacional de Rehabilitacion, Mexico)		
P-012	Rheumatoid factor (RF) and anti-cyclic citrullinated protein autoantibodies (ACPA) seroconversion and seroreversion in rheumatoid arthritis patients between 2005 and 2021	Chun Lai Too (Immunogenetic Unit. Allergy and Immunology Research Center. Institute for Medical Research. MOH, Malaysia)		
P-013	Autoantibodies sustainability in rheumatoid arthritis (RA) patients and their clinical characteristics: Malaysian real-world data between 2005 and 2021	Chun Lai Too (Immunogenetic Unit. Allergy and Immunology Research Center. Institute for Medical Research. MOH, Malaysia)		
P-014	Use of disease-modifying anti-rheumatic drugs after cancer diagnosis in rheumatoid arthritis patients	Kyung-Su Park (Catholic Univ. St. Vincent's Hosp., Korea)		

No.	Title	Presenter		
	RA-clinical aspects			
P-015	The relationship between Anti-CCP, C-reactive protein in serum and rheumatoid factor in synovial fluid in patients with rheumatoid arthritis in the Kyrgyz Republic	Nazgul Omurzakova (Nat'l Center of Cardiology and Internal Medi- cine, Kyrgyzstan)		
P-016	Impact of comorbidity on disease activity and functional status in patients with rheumatoid arthritis receiving biologic DMARDs, a longitudinal analysis of the KOBIO-RA	Ju Yeon Kim (Seoul Nat'l Univ. Hosp., Korea)		

No.	Title	Presenter		
	RA-treatment			
P-017	Is a cumulative dose of methotrexate important for rapid remission in rheumatoid arthritis?	Galina Gridneva (V.A.Nasonova Rheumatology Research Insti- tute, Russian Federation)		
P-018	Clinical predictors of inadequate response to conventional synthetic and biologic DMARDs in Chinese patients with rheumatoid arthritis	Hui Zhong (Peking Union Medical College Hosp., China)		
P-019	"Stereotypical" adverse reactions to non-biologic Disease Modifying Anti-Rheumatic Drugs in patients with rheumatoid arthritis requiring biological therapy	Elena Matianova (V.A.Nasonova Rheumatology Research Insti- tute, Russian Federation)		
P-020	The efficacy and safety of biologic DMARDs on progression of RA-ILD	Sang Wan Chung (Kyung Hee Univ. Medical Center, Korea)		
P-021	Management of rheumatoid arthritis in China: a study of the implementation of 2021 ACR guideline	Shangyi Jin (Peking Union Medical College Hosp., China)		
P-022	Study of methotrexate metabolism in patients taking statins	Galina Gridneva (V.A.Nasonova Rheumatology Research Insti- tute, Russian Federation)		
P-023	Digital aging and mental health deteriorations: how can we mitigate the risk among the elderly with rheumatoid arthritis disease in Indonesia?	Rosinta Hotmaida Pebrianti Purba (Bappenas, Indonesia)		
P-024	Comparison of drug persistence between tumor necrosis factor-a inhibitors and tocilizumab in patients as first-line treatment with rheumatoid arthritis using the Korean Health Insurance Review and Assessment Service database	Byung Wook Song (Pusan Nat'l Univ. Hosp., Korea)		
P-025	Impact of Korean red ginseng on fatigue in patients with rheumatic disease: A randomized, double-blind study	Soo-Kyung Cho (Hanyang Univ. Hosp. for Rheumatic Diseases, Korea)		
P-026	The Preoperative Patient's Expectations and It's Clinical Outcomes After Rheumatoid Forefoot Deformity Surgery	Dong Hong Kim (Hanyang Univ. Hosp., Korea)		

No.	Title	Presenter		
	SLE-clinical aspects, APS			
P-027	Effect of systemic lupus erythematosus on carotis intima media thickness and its relationship with disease activity	Gökhan Polat (Atatürk Univ., Turkey)		



No.	Title	Presenter
SLE-clinical aspects, APS		
P-028	Wernicke encephalopathy secondary to systemic lupus erythematosis enteropathy	Arzu Shahveranova (Adana Çukurova Üniversity, Turkey)
P-029	Prognostic factors for the development of systemic lupus erythematosus in patients with immune thrombocytopenia	Soo Min Ahn (Asan Medical Center, Korea)
P-030	A case of portal and hepatic vein occlusion in systemic lupus erythematosis	Mehmet Selim Kan (Atatürk Univ., Turkey)
P-031	Disease flare of systemic lupus erythematosus in patients with end-stage renal disease on dialysis	Young-Eun Kim (Asan Medical Center, Univ. of Ulsan College of Medicine, Korea)
P-032	Clinical relevance according to staining patterns and titers of antinuclear antibody	Mi Ryoung Seo (Gil Medical Center, Gachon Univ. College of Medicine, Korea)
P-033	Long-term renal outcomes of patients with non-proliferative lupus nephritis	Eunsong Kang (Asan Medical Center, Korea)
P-034	Computer aided detection of the white matter lesions associated with systemic lupus erythematosus in cranial magnetic resonance imaging	Ahmet Yalcin (Ataturk Univ., Faculty of Medicine, Turkey)
P-035	Internuclear ophthalmoplegia in lupus cerebritis: double jeopardy	Paul Shiu (St Joseph's Medical Center - Graduate Medical Education, USA)
P-036	Working memory and processing speed in systemic lupus erythematosus: Correlation with disease activity	Rudrani Chatterjee (Clinical Psychologist, India)
P-037	Etiology of raised serum creatinine in patients with systemic lupus erythematosus at presentation and association of number of crescents in renal biopsy with rapidly progressive renal failure	RAJAT Kharbanda (Senior Resident, India)
P-038	CRP elevation in SLE pericarditis: Not all patients with SLE pericarditis have an elevated CRP value	Hyunsue Do (Severance Hosp., Yonsei Univ. College of Medicine, Korea)
P-039	Prevalence of latent tuberculosis infection and its associations with clinical and serological parameters in systemic lupus erythematosus	Gayathri Ms (Jawaharlal Institute of Postgraduate Medical Education and Research, India)
P-040	Comparison of physical functions of systemic lupus erythematosis and healthy persons and their relationship with disease activity	Yasin Baki Baydas (Bezmialem Univ., Turkey)

No.	Title	Presenter
SLE-pathogenesis and animal model		
P-041	Vitronectin, a novel urinary proteomic biomarker, promotes cell pyroptosis in juvenile systemic lupus erythematosus	Zhe Cai (Guangzhou Women and Children's Medical Center, China)
P-042	Effect of tumor necrosis factor-α gene polymorphisms in risk of systemic lupus erythematosus patients susceptibility: Update meta-analysis	Steven Irving (Faculty of Medicine, Univ. of Sebelas Maret, Indonesia)

No.	Title	Presenter
SLE-treatment		
P-043	A retrospective single center study of the clinical response of tacrolimus treatment in patients with lupus nephritis	Ji-Won Kim (Ajou Univ. School of Medicine, Korea)
P-044	Acute pancreatitis after corticosteroid pulse therapy in rheumatic disease: Acute pancreatitis is common adverse reaction after corticosteroid pulse therapy	Jinseok Kim (Yonsei Univ. College of Medicine, Korea)
P-045	Myelodysplastic syndrome occurrence in post-therapeutic systemic lupus erythematosus patients	Ninda Devita (Faculty of Medicine Public Health and Nursing, Universitas Gadjah Mada, Indonesia)

No.	Title	Presenter
Spondyloarthropathies and psoriatic arthritis		
P-046	Vitronectin-derived bioactive peptide prevents spondyloarthritis by modulating Th17/ Treg imbalance in mice with curdlan-induced spondyloarthritis	Hong Ki Min (Konkuk Univ. Medical Center, Korea)
P-047	The relationship between the osteoporosis and cortial index of the mandibular bone in psoriatic arthritis	Viliam Gasanova (Bahçeşehir İstinye Univ., Turkey)
P-048	Evaluation of the relationship between ankylosing spondylitis and its inflammation indicator calprotectin and its relationship with disease activity	Mehmet Alperen Tezcan (Ataturk Univ., Turkey)
P-049	Investigation of the relationship of ankylosing spondylit and varicocele	Muhammed Emre Isıktas (Atatürk Univ., Turkey)
P-050	The effect of ankylosing spondylitis on carotis intima media thickness and its relationship with disease activity	Elshad İsmailov (Atatürk Univ., Turkey)
P-051	Predictive role of neutrophil-to-lymphocyte ratio, monocyte-to-lymphocyte ratio and platelet-to-lymphocyte ratio in the assessment of clinical response and drug persistence of tumor necrosis factor-alpha inhibitors in patients with ankylosing spondylitis	Dong Hyuk Moon (Pusan Nat'l Univ. School of Medicine, Pusan Nat'l Univ. Hosp., Korea)
P-052	A deep-learning-based approach for automated assessment of modified Stoke ankylosing spondylitis spine score (mSASSS) on spine radiographs: a preliminary study	Sun Yeop Lee (Deepnoid, Inc., Korea)
P-053	Intra-articular corticosteroids for sacroiliitis in treatment of spondyloarthritis	Pallavi Vij (All India Institute of Medical Sciences, India)
P-054	Drug retention of biologic agents in Korean patients with psoriatic arthritis	Ju Yeon Kim (Seoul Nat'l Univ. Hosp., Korea)
P-055	Safety profile of ixekizumab for the treatment of psoriatic arthritis and axial spondyloarthritis up to 3 years: An updated integrated safety analysis	Young In Eom (Lilly Korea Ltd, Korea)
P-056	A comparison of physical functions and its relationship with disease activity of persons with ankylosing spondilitis	Aysenur Kara (Atatürk Univ., Turkey)



No.	Title	Presenter
	Behçet's disease & Vasculitis	
P-057	Diagnostic value of 3D T1-weighted sampling perfection with application optimized contrast evolution (SPACE) magnetic resonance imaging in patients with giant cell arteritis	Recep Sade (Ataturk Univ., Turkey)
P-058	Determination of the frequency of entositis and its relationship with disease activity in Behçet's disease by ultrasonography	Serhat Kaya (Tunceli Devlet Hastanesi, Turkey)
P-059	NeuroBehçet with spinal leptomeningeal involvement	Oğuzhan mete (Atatürk Univ., Turkey)
P-060	Investigation of the frequency of varicocele in Behçet's disease	Cafer Koçak (Atatürk Univ., Turkey)
P-061	The relationship of venous involvement with disease activity in Behçet's syndrome	Muhammed Halid Yener (Atatürk Univ., Turkey)
P-062	Serum albumin, prealbumin, and ischemia-modified albumin levels in patients with ANCA-associated vasculitis: A prospective cohort study	Sung Soo Ahn (Yongin Severance Hosp., Yonsei Univ. College of Medicine, Korea)
P-063	Comparison of physical functions of people with Behçet's disease and healthy and their relationship with disease activity	Yusuf Geylani (Bitlis State Hosp., Turkey)
P-064	COVID-19 vaccination related small vessel vasculitis with multi-organ involvement	Yunkyung Kim (Department of Internal Medicine, Kosin Univ. College of Medicine, Korea)
P-065	BVAS version 3 and BVAS/GPA	Jangwoo Ha (Yonsei Univ. College of Medicine, Korea)
P-066	Application of the 2022 new criteria for microscopic polyangiitis to patients with previously diagnosed microscopic polyangiitis	Jung Yoon Pyo (Yonsei Univ. College of Medicine, Korea)
P-067	Effect of the number of metabolic syndrome components on all-cause mortality in patients with antineutrophil cytoplasmic antibody-associated vasculitis	PIL GYU Park (Severance Hosp., Korea)
P-068	Aortic involvement as a rare complication of granulomatosis with polyangiitis: A case report	Su Jin Choi (Ulsan Univ. Hosp., Univ. of Ulsan College of Medicine, Korea)
P-069	ANCA sero-positivity and AAV occurrence after SARS-CoV-2 infection	Eunju Lee (Yonsei Univ. College of Medicine, Korea)
P-070	New-onset IgA vasculitis in adult patients following SARS-CoV-2 vaccines	Yunjung Choi (Jeonbuk Nat'l Univ. Hosp., Korea)
P-071	A case of microscopic polyangiitis with periaortitis treated with cyclophosphamide	Seoung Wan Nam (Wonju Severance Christian Hosp., Korea)
P-072	Churg-strauss syndrome presenting as acute abdomen- A case report	Subbarayudu Boda (GITAM Institute of Medical Sciences and Research (GIMSR), India)

No.	Title	Presenter
Crystal induced arthropathies		
P-073	Identification of tofuses and diagnosis of gout disease with dual-energy CT	Iraklı Tortladze (TSSU First Univ. Clinic, Georgia)
P-074	Spondylodiscitis and paravertebral abscess associated with calcium pyrophosphate dihydrate deposition disease	Burak Sarılar (Pamukkale Univ., Turkey)
P-075	Urate-lowering efficacy and renal safety of febuxostat in patients with advanced chronic kidney disease not yet on dialysis: A meta-analysis of observational studies	Changnam Son (Keimyung Univ. School of Medicine, Korea)
P-076	A rare coexistence of quadriceps tendon calcification and patellar tendon calcification	Muhammed Eyyüp Çelik (Atatürk Univ., Turkey)
P-077	Diagnosis and treatment of gout patients at emergency room	Mi Ryoung Seo (Gil Medical Center, Gachon Univ. College of Medicine, Korea)
P-078	Genetic analysis for inflammasome genes polymorphisms in the gout susceptibility	Denise Clavijo-cornejo (Instituto Nacional de Rehabilitación, Mexico)
P-079	Depletion, activation, and stimulation of bone destruction of innate and innate-like immune cells in gout	Ki-Jeong Park (Chonnam Nat'l Univ. Hosp., Korea)
P-080	Gout disease modification: Proposal for a definition	Jasvinder Singh (Univ. of Alabama at Birmingham, USA)
P-081	Predictors of increased vascular stiffness in gout patients	Wooseong Jeong (Division of Rheumatology, Jeju Nat'l Univ. School of Medicine, Korea)
P-082	Clinical features of Korean patients with calcium pyrophosphate crystal deposition disease: A retrospective multicenter study	Eun Hye Park (Chung-Ang Univ. College of Medicine, Korea)
P-083	Effect of lifestyle change on incident gout: a nationwide population-based cohort of young men	Yeonghee Eun (Kangbuk Samsung Hosp., Sungkyunkwan Univ. School of Medicine, Korea)
P-084	Gout is associated with the risk of osteoporosis: a population-based study	Jihyoun Kim (Department of internal medicine, Chungbuk Nat'l Univ. Hosp., Korea)

No.	Title	Presenter	
	Pediatric rheumatology		
P-085	Vascular imaging findings with high-pitch low-dose dual-source CT in atypical Kawasaki disease	Recep Sade (Ataturk Univ., Turkey)	
P-086	Bilateral calcification of ear cartilage	Gökhan Polat (Atatürk Univ., Turkey)	
P-087	The treatment effect of tofacitinib on Blau syndrome: A case series of Chinese pediatric patients	Zhe Cai (Guangzhou Women and Children's Medical Center, China)	
P-088	The evaluation of MRI findings of sacroillitis in patients with juvenile idiopathic arthritis for detection of active and structural damage lesions according to updated preliminary OMERACT pediatric JAMRIS scoring system	Berhan Pirimoglu (Ataturk Univ. School of Medicine, Turkey)	



No.	Title	Presenter	
	Pediatric rheumatology		
P-089	The clinical characteristics of 15 IgG4 related disease in pediatric patients	Zheng Liu (Peking Union Medical College Hosp., China)	
P-090	Predictors of long-term functional outcomes of enthesitis related arthritis (ERA) category of juvenile idiopathic arthritis (JIA) in adulthood: A single centre experience from a tertiary care hospital	Naveen R (Sanjay Gandhi Postgraduate Institute of Medical Sciences, India)	
P-091	Secondary hemophagocytic lymphohistiocytosis: Overwhelming clinical manifestations may cause more chemotherapy than necessary	Soo-Young Lee (College of Medicine, The Catholic Univ. of Korea, Korea)	
P-092	Interstitial lung disease in pediatric systemic lupus erythematosus: A case report	Soo-Young Lee (College of Medicine, The Catholic Univ. of Korea, Korea)	
P-093	A20 Haploinsufficiency identified in a girl presented with systemic juvenile idiopathic arthritis: A case report	Jung-Woo Rhim (College of Medicine, The Catholic Univ. of Korea, Korea)	
P-094	Withdrawn	-	
P-095	Flare-up of juvenile idiopathic arthritis (JIA) the day after receiving a booster shot of BNT162b2 mRNA vaccine	Hyong Suk Park (Myongji Hosp., Korea)	
P-096	Challenges and management for pediatric rheumatology patient's in the COVID-19 era: Perspectives from several countries	Putri Ayu (Andalas Univ., Indonesia)	

No.	Title	Presenter
Fibromyalgia and soft tissue disorders		
P-097	The use of shear-wave elastography for myofascial pain syndrome's severity	Recep Sade (Ataturk Univ., Turkey)
P-098	Amigos de fibro (Fibro Friends): Validation of an educational program for health promotion in fibromyalgia	Mateus Antunes (Univ. of São Paulo (USP), Brazil)
P-099	Amigos de fibro (Fibro Friends): Validation of an educational e-book to promote the health of patients with fibromyalgia in Brazil	Mateus Antunes (Univ. of São Paulo (USP), Brazil)

No.	Title	Presenter
Idiopathic inflammatory myositis and muscle biology		
P-100	Withdrawn	-
P-101	Erdheim-Chester disease mimicking coronary artery disease in a systemic lupus erythematosus patient	Grigol Nemsadze (TSSU First Univ. Clinic, Georgia)
P-102	New onset clinically amyopathic dermatomyositis following SARS-CoV-2 vaccine: A case report	Eric Ranniel Guevarra (Univ. of Santo Tomas Hosp., Philippines)

No.	Title	Presenter
	Idiopathic inflammatory myositis and muscle biology	
P-103	Rare case of dermatomyositis following SARS-CoV-2 vaccination	Mark Andrian Yano (Philippine General Hosp., Philippines)
P-104	Clinical characteristics and outcomes of adult patients with anti-MDA5 dermatomyositis- A single centre experience from South India	Shivraj Padiyar (Christian medical College, India)
P-105	Changes in quantitative interstitial lung disease scores on high-resolution CT in idiopathic inflammatory myositis	Jina Yeo (Gil Medical Center, Gachon Univ. College of Medicine, Korea)
P-106	Time-dependent changes in rapidly progressive-interstitial lung disease and mortality risk in anti-MDA5 antibody positive dermatomyositis patients: A cohort study of 272 cases in China	Hanxiao You (The First Affiliated Hosp. of Nanjing Medical Univ., China)
P-107	Coexisting of anti-Ro52 autoantibodies on anti-MDA5 autoantibodies-positive dermatomyositis is highly associated with rapidly progressive interstitial lung disease and mortality risk	Hanxiao You (The First Affiliated Hosp. of Nanjing Medical Univ., China)
P-108	Galectin-9 and CXCL-10 as biomarkers in assessing disease activity in Dermatomyositis and Polymyositis - A single centre cohort study	SAI KUMAR Dunga (Jawaharlal institute of postgraduate medical education and research, India)
P-109	Role of semiquantitative thigh magnetic resonance imaging (tMRI) in determining skeletal muscle outcomes at baseline and on follow up in idiopathic inflammatory myopathies (IIMs)	Mamatha Gorijavolu (Jawaharlal institute of postgraduate medical education and research, India)

No.	Title	Presenter	
	Sjögren's syndrome		
P-110	Hyperglobulinemia in primary Sjögren's syndrome predicts the poor outcome: From multicenter registration study	Hui Zhong (Peking Union Medical College Hosp., China)	
P-111	Primary Sjögren's syndrome is associated with increased risks of not just lymphoma: a systematic review and meta-analysis	Hui Zhong (Peking Union Medical College Hosp., China)	
P-112	Salivary ultrasonography and histopathologic evaluation of secondary Sjögren's syndrome in rheumatoid arthritis patients	Minae Oh (Seoul St. Mary's Hosp., The Catholic Univ. of Korea, Korea)	
P-113	STAT4 gene polymorphisms in risk of Sjögren's syndrome patients susceptibility: Update systematic review and meta-analysis	Rendra Ristian wibowo (Sebelas Maret Univ., Indonesia)	
P-114	Interstitial lung disease in Sjögren's syndrome: Prevalence, patterns, treatment, and prognosis	Jung Hee Koh (College of Medicine, The Catholic Univ. of Korea, Korea)	
P-115	Distinct metabolic biomarkers to distinguish immunoglobulin G4-related disease from Sjögren's syndrome and pancreatic cancer and predict disease prognosis	Yu Peng (Peking Union Medical College Hosp., China)	
P-116	Predictors of the future development of systemic lupus erythematosus (SLE) in Korean primary Sjögren's syndrome (pSS) patients with anti-DNA antibody (+) by the Farr method.	Bong-Woo Lee (Yeouido St. Mary's Hosp., College of Medicine, The Catholic Univ. of Korea, Korea)	



No.	Title	Presenter
Systemic sclerosis and Raynaud's phenomenon		
P-117	Analysis of clinical features of myocardial involvement in systemic sclerosis	Huilin He (Peking Union Medical College Hosp., China)

No.	Title	Presenter	
	Miscellaneous rheumatic and inflammatory diseases		
P-118	Brain magnetic resonance imaging finding in autoimmune rheumatic disease	Recep Sade (Ataturk Univ., Turkey)	
P-119	Spontaneous knee hemarthrosis associated with enoxaparin treatment in a post COVID-19 patient	Mark Andrian Yano (Philippine General Hosp., Philippines)	
P-120	Clinical profile and outcome of adult Filipino patients with septic arthritis in a tertiary hospital in the Philippines	Mark Andrian Yano (Chong Hua Hosp., Philippines)	
P-121	Tuberculosis fasciitis of the neck in Behçet's patient	Yunus Fersan (Atatürk Univ., Turkey)	
P-122	Chronic inflammatory demyelinating polyneuropathy (CIDP) in polyangiitis granulomatosis with cyclophosphamide	Kadem tüysüz (Atatürk Univ., Turkey)	
P-123	A rare combination of autoimmune pancreatitis and focal cranial eosinophilic granuloma	Tamar Melkadze (TSSU First Univ. Clinic, Georgia)	
P-124	Diagnostic value of the inflammatory scores in polymyalgia rheumatica	Ji-Won Kim (Ajou Univ. School of Medicine, Korea)	
P-125	A short long way from juvenile idiopathic arthritis to pachydermoperiostosis (Touraine–Solente–Gole syndrome)	Bogdan Ion Gavrila (Univ. of Medicine and Pharmacy, Carol Davila, Romania)	
P-126	Allopurinol and febuxostat hypersensitivity in a patient with young onset gout	Mark Andrian Yano (Philippine General Hosp., Philippines)	
P-127	Curative-intent resection is a strong indicator of steroid-free remission in IgG4-related disease	Jung Gon Kim (Division of Rheumatology, Seoul St. Many's Hosp., College of Medicine, Korea)	
P-128	Application of HScore and MS score in diagnosis of macrophage activation syndrome associated with adult onset Still's disease	Zhao Peng (Chinese Academy of Medical Sciences & Peking Union Medical College, China)	
P-129	The role of interleukin-18 as a diagnostic biomarker to differentiate active adult-onset Still's diseas from COVID-19	Roland Helmizar (Indonesian Univ., Indonesia)	
P-130	Cancer-associated vasculitis: A single-centre pilot study	Hyunsue Do (Severance Hosp., Yonsei Univ. College of Medicine, Korea)	
P-131	Withdrawn	-	
P-132	Cerebellar infarction as the initial presentation of IgG4-Related Disease	Gaurav Nepal (Tribhuvan Univ. Institute of Medicine, Nepal)	

No.	Title	Presenter
	Epidemiology & Public health	
P-133	Relationship between Lung Involvement and Gout in COVID-19 disease	Fatih işik (Atatürk Univ., Turkey)
P-134	Post-COVID mesial temporal sclerosis	Megi Kurtanidze (Tbilisi City Medical, Georgia)
P-135	Incidence of rheumatic diseases during the COVID-19 pandemic in Korea: A nationwide claims study	Soo Min Ahn (Asan Medical Center, Korea)
P-136	Changes in the lungs that develop with COVID-19 in patients with rheumatoid arthritis	Eugenia Aronova (V.A. Nasonova Research Institute of Rheumatology, Russian Federation)
P-137	Incidence, prevalence, and clinical characteristics in ANCA-associated vasculitis: A National Health Insurance Service Database (2002-2018)	Jinsu Park (Nat'l Health Insurance Service Ilsal Hosp., Korea)
P-138	Association between sarcopenia and rheumatoid arthritis in the Korean population: a nationwide cross-sectional study	Jae Hyun Jung (Korea Univ. College of Medicine, Korea)
P-139	Psychometric properties of the PHQ-8 in individuals with osteoarthritis	Patrick Brzoska (Witten/Herdecke Univ., Faculty of Health, School of Medicine, Germany)
P-140	The Barriers Of Patients With Osteoporosis In Various Countries During The COVID-19 Pandemic	NURALIAH Nuraliah (West Sulawesi Research and Empowerment Center, Indonesia)
P-141	Use of telemedicine for follow-up of lupus nephritis in the COVID-19 outbreak: A randomized controlled trial	Ho So (The Chinese Univ. of Hong Kong, Hong Kong)
P-142	Immunopathological process in the Chronic arthritis and Rheumatic Heart Diseases caused by streptococcus of Group A	Nazgul Omurzakova (Nat'l Center of Cardiology and Internal Medicine, Kyrgyzstan)
P-143	Comparison of renal outcomes and mortality in early and delayed onset lupus nephritis	Soo-Kyung Cho (Hanyang Univ. Hosp. for Rheumatic Diseases, Korea)
P-144	Level of knowledge on systemic lupus erythematosus among nursing students in selected universities in the Philippines	Cherry Ann Garcia Durante (Emilio Aguinaldo College - Manila, Philippines)
P-145	Comparative safety of tofacitinib and TNF inhibitor in Korean patients with rheumatoid arthritis: A prospective, single-center cohort study	Yeo-Jin Song (Hanyang Univ. Hosp. for Rheumatic Diseases, Korea)
P-146	A tale of three paths: singaporean patient journeys from initial symptoms of gout to presentation for health care	Aloysius Chow (Lee Kong Chian School of Medicine, Nanyang Technological Univ., Singapore)



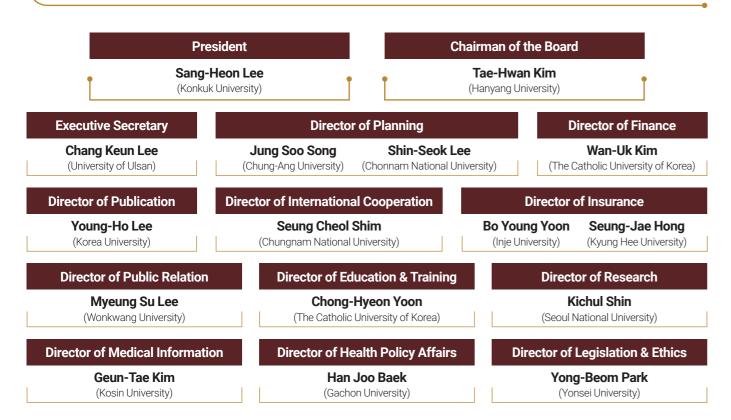
No.	Title	Presenter		
	Osteoporosis and metabolic bone diseases			
P-147	Two novel mutations in TCIRG1 induced infantile malignant osteopetrosis: A case report	Ping Wu (Guangzhou Women and Children's Medical Center, China)		
P-148	Relationship between Vitamin D, Body mass index with Bone mineral density of Mongolian miners	Garamjav Khishigdavaa (Medipas Hosp., Mongolia)		
P-149	Application of Machine Learning to identify osteoporosis based on the extreme learning machine (ELM) model algorithm	Rifaldy Fajar (Univ. of L'Aquila, Italy)		
P-150	FRAX prediction for osteoporotic fracture in patients with glucocorticoid-induced osteoporosis	Yoon-Kyoung Sung (Hanyang Univ. Hosp. for Rheumatic Diseases, Korea)		
P-151	Genetic variation of susceptibility gene of osteoporosis, measuring method of osteoporosis risk	Ahmad Ahmad (Universitas Al Asyariah Mandar, Indonesia)		
P-152	Patient preference and efficacy of zoledronic acid in the treatment of glucocorticoid-induced osteoporosis in patients with autoimmune diseases	Ji-Won Kim (Ajou Univ. School of Medicine, Korea)		

No.	Title	Presenter		
	Osteoarthritis and biology of bone and joint			
P-153	The potential targets of San-Miao-San in the treatment of osteoarthritis	Zhe Cai (Guangzhou Women and Children's Medical Center, China)		
P-154	Serum, synovial visfatin level during flare-up and remission of primary knee OA	Haytham Abd elaal (MOH, Egypt)		
P-155	Influence of metabolic syndrome in patients with knee osteoarthritis	Jamol Uzokov (Republican Specialized Scientific Practical Medical Center of Therapy and Medical Rehabilitation, Uzbekistan)		
P-156	Efficacy of joint treatment with metformin and NSAIDS in patients with knee osteoar-thritis and metabolic syndrome	Bakzod Karimov (Republican specialized scientific practical medical center of therapy and medical rehabilitation, Uzbekistan)		
P-157	Detection of the sesamoid bone of the metacarpal joint in patients with osteoarthritis using the deep learning model	Bon San Koo (Inje Univ. Seoul Paik Hosp., Inje Univ. College of Medicine, Korea)		
P-158	Blood D-dimer level after COVID-19 in patients with knee osteoarthritis	Zumrad Ubaydullaeva (Republican Specialized Scientific Practical Medical Center of Therapy and Medical Rehabilitation, Uzbekistan)		
P-159	Lactobacillus (LA-1) and butyrate inhibit osteoarthritis by controlling autophagy and inflammatory cell death of chondrocytes	JooYeon Jhun (The Catholic Univ. of Korea, Korea)		

No.	Title	Presenter
Orthopedics & Rehabilation		
P-160	Effects of conventional rehabilitative and aerobic training in patients with idiopathic inflammatory myopathy	Mingwei Tang (Peking Union Medical College Hosp., Chinese Academy of Medical Science, China)



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