2024
YISSEM International Symposium
The Evidence-Based Prevention and Promotion of Athletic Health:

New Insights into the Prevention and Management of Ankle and Shoulder Injuries

Opening Address
Doo Sup Kim, MD, PhD

Greeting
Sae Yong Lee, PhD

Welcoming Message
Young-Jong Sohn, PhD

Congratulatory Message
Kwan-Yong Choi, PhD

Speaker
Matt Hoch, PhD, ATC
Terada Masafumi, PhD, ATC
Oh-Yun Kwon, PhD
Gyeong-tae Gwak, PhD

Panel Discussion
Kyeongtak Song, PhD, ATC
Kyuenam Park, PhD

Date
Friday, November 15th, 2024

Time
13:00~18:00

Location
Grand Ballroom, Baekyangnuri,
Yonsei University, Seoul, Korea

E-mail
yissem2024@gmail.com

Program and Registration : https://sylee112.wixsite.com/yissemsymposium
Registration due : Monday, November 11th, 2024

The Evidence-Based Prevention and Promotion of Athletic Health

Date : November 15th, 2024 Time: 13:00 Location: Grand Ballroom E-mail: yissem2024@gmail.com

Organization Chair : Sae Yong Lee, PhD, Yonsei University

Program Agenda

Time	Program	Speaker
12:50~13:00	Registration and Opening Ceremony	
13:00~13:05	Opening Address	Doo Sup Kim, MD, PhD
13:05~13:10	Greeting	Sae Yong Lee, PhD
13:10~13:20	Welcoming Message	Young-Jong Sohn, PhD
13:20~13:30	Congratulatory Message	Kwan-Yong Choi, PhD
Session 1	From Sprains to Stability: Evolving Approaches in Ankle Injury Recovery	Moderators: Kyeongtak Song, PhD, ATC Department of Physical Education Yonsei University, Korea Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
13:30~14:10	Change is Afoot for Ankle Sprain Management	Matt Hoch, PhD, ATC Department of Sports Medicine Rearch Institute University of Kentucky, USA
14:10~14:50	Breathing out Chronic Ankle Instability: Addressing Impairments in Diaphragm Function associated with Lateral Ankle Sprain	Terada Masafumi, PhD, ATC Department of Course Research Organization of Science and Technology Ritsumeikan University, Japan
14:50~15:30	Panel Discussion	Kyeongtak Song, PhD, ATC Matt Hoch, PhD, ATC Terada Masafumi, PhD, ATC
15:30~15:40	Coffee Break	
Session 2	Advanced Techniques in Shoulder Health: Analyzing Movement Impairments and Predicting Pain Through Data Mining	Moderators: Kyuenam Park, PhD, Department of Physical Education Yonsei University, Korea Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
15:40~16:20	Assessment of Movement Impairment of Shoulder Girdle Based on Movement Analysis	Oh-Yun Kwon, PhD Department of Physical Therapy Yonsei University, Korea
16:20~17:00	Predictive Models for Musculoskeletal Disorders Based on Data Mining Techniques	Gyeong-tae Gwak, PhD Coupang Logistics Service (Health & Ergonomics Team)
17:00~17:40	Panel Discussion	Kyuenam Park, PhD Oh-Yun Kwon, PhD Gyeong-tae Gwak, PhD
17:40~	Closing Ceremony	

The Evidence-Based Prevention and Promotion of Athletic Health

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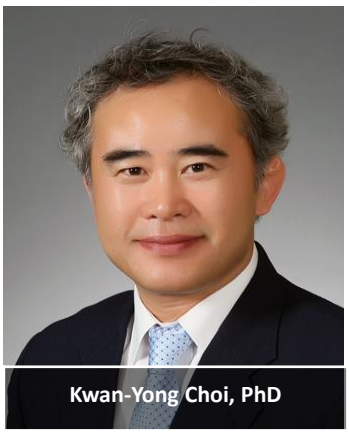
Young-Jong Sohn, PhD

Welcoming Message

The Provost of Yonsei University, Yonsei University, Korea

Young-Jong Sohn holds a Ph.D. in astronomical space sciences and currently serves as the provost of Yonsei University. His career at Yonsei includes roles as the chair of the Department of Astronomy and Space Science, associate dean of the College of Science, and vice president of the Academic Affairs Office. He has been honored with the Yonsei University Best Educator Award in 2007, 2011, and 2012. In addition, he has actively worked to popularize astronomy and space science by opening the "Understanding the Universe" course through the Korean Open Online Course (K-MOOC) and delivering public lectures. For his contributions to the advancement of astronomy and space science, he recently received the 2024 Academic Award from the Korean Space Science Society.



Kwan-Yong Choi, PhD

Congratulatory Message

The President-elect of the KAHPERD(Korean Alliance for Health, Physical Education, Recreation, and Dance)

Kwan-yong Choi holds a Ph.D. in Physical Education and is currently a professor in the Department of Sports Coaching at Korea National Sport University. He is scheduled to serve as the President-elect of the Korean Society of Physical Education from 2025.His major careers include serving as the President of the Korean Olympic Torch Association, the President of the Korean Society of Sports Coaching, the President of the Korean Society of Youth Sports, and the President of the Asian Society of Youth Sports. His main interest is coaching skills for leaders and he has published several books in this field.

Organization Chair/ Greeting

Sae Yong Lee, PhD
Department of Physical Education
Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
Yonsei University, Korea

Opening Address

Doo Sup Kim, MD, PhD
Department of Orthopedic Surgery
Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
Wonju Serverance Christian Hospital, Yonsei University, Korea

Speaker

Matt Hoch, PhD, ATC
University of Kentucky, USA
Terada Masafumi, PhD, ATC
Ritsumeikan University, Japan
Oh-Yun Kwon, PhD
Yonsei University, Korea
Gyeong-tae Gwak, PhD
Coupang Logistics Service (Health & Ergonomics Team)

Welcoming Message

Young-Jong Sohn, PhD
The Provost of Yonsei University, Yonsei University, Korea

Congratulatory Message

Kwan-Yong Choi, PhD
The President-elect of the KAHPERD
Department of Sports Coaching, Korea National Sport University

Panel Discussion

Kyeongtak Song, PhD, ATC
Yonsei University, Korea
Kyuenam Park, PhD
Yonsei University, Korea

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Organization Chair

Sae Yong Lee, PhD

Greeting

Department of Physical Education
Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
Yonsei University, Korea

Sae Yong Lee is a Professor in the Department of physical education of yonsei University. Prior to joining the Yonsei University faculty in 2012, he was an Assistant Professor of Kinesiology and Sport Science University of Miami (2009-2012). Dr. Lee is a native of Korea and graduated with his B.S. in physical education from Yonsei University in 1996. He completed his Masters in Sports Biomechanics Department of Physical Education and his Doctorate in Sports Biomechanics at the Yonsei University in 1998 and 2002, respectively. He completed his Masters in Athletic Training at the University of North Carolina Greensboro in 2003 and 2005 and his Doctorate in Sports Medicine at the University of Virginia in 2006 and 2009, respectively.

Committee Members

Doo Sup Kim, MD, PhD

Opening Address

Department of Orthopedic Surgery
Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
Wonju Serverance Christian Hospital, Yonsei University, Korea

Dr. Kim Doo-Seop is a Doctor of Orthopedic Surgery and currently serves as the Chief Professor and Clinical Director of the Department of Orthopedic Surgery at Yonsei University Wonju College of Medicine.He is currently the IOC International Olympic Committee Research Center Academic Representative and the British Journal of Sports Medicine Associate Editor (BJSM).He served as a medical expert for the 2017 PyeongChang Olympics and as an IOC guest researcher for the 2018 PyeongChang Olympics.His main areas of interest include kinesiology, artificial joint replacement, and injuries in elite sports.

Kyeongtak Song, PhD, ATC

"From Sprains to Stability: Evolving Approaches in Ankle Injury Recovery"

Department of Physical Education
Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
Yonsei University, Korea

Kyeongtak Song is currently an Assistant Professor in the Department of Physical Education at Yonsei University. He earned his PhD in Human Movement Science from the University of North Carolina at Chapel Hill. His research interests focus on understanding and addressing the consequences of ankle sprains and chronic ankle instability (CAI). Specifically, he is interested in investigating the influence of sensorimotor dysfunction and biomechanical alterations on lower extremity joint cartilage health in individuals with ankle sprains and chronic ankle instability. Additionally, he explores novel aspects of neuromechanics and sensorimotor function in those affected by these conditions. His research also extends to developing more effective treatment strategies aimed at slowing the progression of CAI and post-traumatic osteoarthritis (PTOA) following lateral ankle sprains.

Kyuenam Park, PhD

"Advanced Techniques in Shoulder Health: Analyzing Movement Impairments and Predicting Pain Through Data Mining"

Department of Physical Education
Yonsei Institution of Sports Science and Exercise Medicine, YISSEM
Yonsei University, Korea

Kyuenam Park, PhD is a leading expert in digital healthcare and a faculty member in the Department of Physical Education at Yonsei University. Specializing in wearable sensors and Vision AI, Prof. Park is revolutionizing fitness and healthcare management. His work focuses on machine learning-driven tele-healthcare solutions, particularly for musculoskeletal disorders. He has also developed digital therapeutics and fitness programs tailored for the elderly and athletes with musculoskeletal pain. Prof. Park has pioneered the use of Vision AI in athlete performance training and created a K-POP medical dance fitness program to enhance public health.

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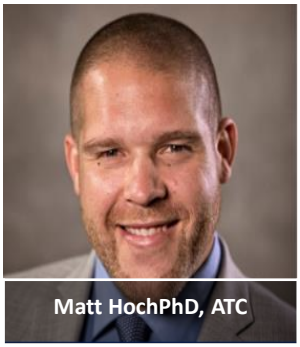
Sports Science and Exercise Medicine

Speaker

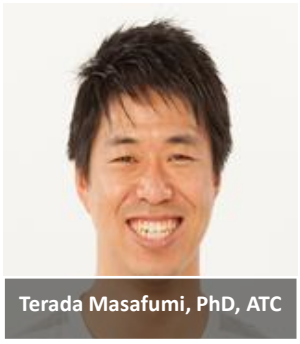


Matt HochPhD, ATC

"Change is Afoot for Ankle Sprain Management"

Department of Sports Medicine Research Institute, Associate Professor
Sports Medicine Research Institute, Associate Director
University of Kentucky, USA

Dr. Matt Hoch joined the University of Kentucky in July 2017 as a faculty member in the Athletic Training program. He is currently the Associate Director for the Sports Medicine Research Institute. He received his Bachelor of Science degree in Athletic Training in 2006 from East Stroudsburg University and his Masters of Science degree in Athletic Training from Ohio University in 2008. In addition, he received his Ph.D. in Rehabilitation Sciences from the University of Kentucky in 2011. His research interests involve mitigating sensorimotor compromise and enhancing patient-centered care following traumatic lower extremity injuries to reduce the long-term consequences of these conditions over the lifespan. Dr. Hoch's previous work has largely focused on identifying novel therapeutic intervention strategies for patients with chronic ankle instability.



Terada Masafumi, PhD, ATC

"Breathing out Chronic Ankle Instability: Addressing Impairments in Diaphragm Function associated with Lateral Ankle Sprain"

Department of Course Research Organization of Science and Technology, Associate Professor
Ritsumeikan University, Japan

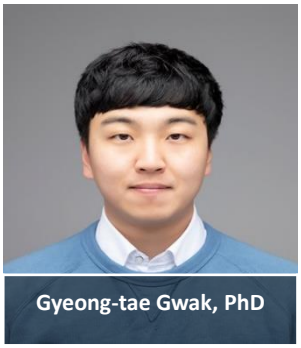
Dr. Terasa Masafumi is currently the Associate Professor for the Course Research Organization of Science and Technology.
His research interests center around examining the negative neuromuscular effects of traumatic joint injury and identifying therapeutic approaches capable of combating neuromuscular dysfunction. Much of my current research has evaluated the effects of ankle instability on sensorimotor and biomechanical function and health related quality of life. Additionally, I studied the impact of muscle inhibition on persistent physical and self-reported dysfunction. My future projects look to study the addictive effets of ankle injury on neuromuscular function in an elderly population, and the ability of exercise to promote muscle and joint health in order to minimize the risk of traumatic osteoarthritis development.

Oh-Yun Kwon, PhD

"Assessment of Movement Impairment of Shoulder Girdle Based on Movement Analysis"

Department of Physical Therapy
Yonsei University, Korea

Oh-yun Kwon, PT, PhD, is a renowned expert in musculoskeletal physical therapy and a professor at Yonsei University's Department of Physical Therapy. He operates 15 musculoskeletal health promotion centers in major companies such as Samsung Electronics and LG. Dr. Kwon leads the KEMA Lab, which has researched work-related musculoskeletal disorders in over 20,000 individuals since 2003. His research encompasses musculoskeletal management, ergonomics, rehabilitation, video motion analysis, and artificial intelligence. He has authored 134 international and 126 domestic journal publications. His work integrates advanced technologies with physical therapy to improve patient outcomes and workplace safety.



Gyeong-tae Gwak, PhD

"Predictive Models for Musculoskeletal Disorders Based on Data Mining Techniques"

Coupang Logistics Service (Health & Ergonomics Team)

Gyeong-tae Gwak is a team leader of the Health & Ergonomics team at Coupang Logistics Services. Gyeong-tae Gwak is also currently serving as an adjunct lecturer of the department of physical therapy at the Inje University. His research interests are in assessment, intervention of musculoskeletal disorders, and data science, especially prediction models for musculoskeletal disorders.

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