CURRICULUM VITAE

Sae Young Jae

Professor
Director, Exercise and Cardiovascular Physiology Laboratory
Department of Sport Science

Education

Doctor of Philosophy Degree in Sports Science, 2003
Sungkyunkwan University, Seoul, South Korea
Major: Exercise Physiology (Emphasis: Cardiovascular Exercise Physiology)

Master of Education Degree in Education, 1994
Sungkyunkwan University, Seoul, South Korea
Major: Physical Education (Emphasis: Exercise Physiology)

Bachelor of Physical Education Degree, 1989
Sungkyunkwan University, Seoul, South Korea
Major: Physical Education-Teacher Education

Professional Experiences

Department Head, 2021-present
Department of Sport Science, University of Seoul

Professor, 2018-present
Division of Urban Social Health, Graduate School of Urban Public Health
University of Seoul

Adjunct Professor, 2020-present
Department of Urban Big Data Convergence, Graduate School
University of Seoul

American Heart Association Postdoctoral Research Fellow, 2005 – 2007
Department of Kinesiology and Community Health
University of Illinois at Urbana and Champaign, IL

Clinical Exercise Physiologist, 1994 - 2004
Center for Health Promotion and Sports Medicine
Center for Cardiovascular Health
Division of Endocrinology and Metabolism,
Samsung Medical Center, Seoul, South Korea

Awards

- JEMA Sport Medicine Award, Korean Society of Sport Medicine 2020

- Best Oral Abstract Award (Gold), Asia-Pacific CardioMetabolic Syndrome 2019
- Best Poster Award, Korean Vascular Research Working Group 2018 (Seoul, Korea)
- Best Poster Award, European Society of Cardiology 2017 (Barcelona, Spain)
- Poster Award, Korean Diabetes Association 2015 (Kwangju, Korea)
- Poster Award, Korean Diabetes Association 2012 (Daegu, Korea)
- Poster Award, The Pulse of Asia 2011 (Beijing, China)
- Poster Award, The Pulse of Asia 2010 (Tokyo, Japan)
- Basic Research Award, Korean Society of Lipidology and Atherosclerosis (2009)
- Finalist, American Heart Association Scientific Sessions 2007 Poster Competition in Population Science, American Heart Association
- Young Investigator Research Award, Cleveland Clinic Heart-Brain Summit (2007)
- Poster Presentation Award, Korean Society of Circulation (2003)

Professional Services

Editorial Board

- Medicine and Science in Sports and Exercise (2010 – present)
- The PULSE (2013-present)
- Korean Journal of Sports Medicine (2021-present), Editor-in Chief

Recent Publications

Jae SY, Heffernan KS, Kurl S, Kunutsor SK, Kim CH, Johnson BD, Franklin BA, Laukkanen JA. Cardiorespiratory Fitness, Inflammation, and the Incident Risk of Pneumonia. ***J Cardiopulm Rehabil Prev***. 2021 Feb 4. doi: 10.1097/HCR.0000000000000581.

Jae SY, Bunsawat K, Kurl S, Kunutsor SK, bo Fernhall, Franklin BA, Laukkanen JA. Cardiorespiratory fitness attenuates the increased risk of sudden cardiac death associated with low socioeconomnic status. ***Am J Cardiol***. 2021 Jan 24:S0002-9149(21)00058-8.

Jae SY, Heffernan K, Kurl S, Kunutsor SK, Franklin BA, Savonen K, Laukkanen JA. Chronotropic Response to Exercise Testing and the Risk of Stroke. ***Am J Cardiol***. 2020 Dec 19:S0002-9149(20)31370-9

Jae SY, Heffernan KS, Kurl S, Kunutsor SK, Laukkanen JA. Association between estimated pulse wave velocity and the risk of heart failure in the Kuopio Ischemic Heart Disease Risk Factor Study. ***J Card Fail.*** 2020. Nov 25:S1071-9164(20)31518-9.

Jae SY, Kurl S, Kunutsor SK, Heffernan KS, Park JB, Laukkanen JA. Association Between Pulse Pressure and the Risk of Sudden Cardiac Death in Middle-Aged Men: A 26-Year Follow-up Population-Based Study. ***Mayo Clin Proc***. 2020 Sep;95(9):2044-2046.

Jae SY, Heffernan KS, Park JB, Kurl S, Kunutsor SK, Kim JY, Laukkanen JA. Association between estimated pulse wave velocity and the risk of cardiovascular outcomes in men. ***Eur J Prev Cardiol***. 2020 Apr 15:2047487320920767.

Jae SY, Kurl S, Bunsawat K, Franklin BA, Choo J, Kunutsor SK, Kauhanen J, Laukkanen JA. Impact of cardiorespiratory fitness on survival in men with low socioeconomic status. ***Eur J Prev Cardiol***. 2021 May 8;28(4):450-455.

Jae SY, Kurl S, Kunutsor SK, Franklin B, Laukkanen JA**.** Relation of maximal systolic blood pressure during exercise testing to the risk of sudden cardiac death in men with and without cardiovascular disease. ***Eur J Prev Cardiol***. 2020 Dec;27(19):2220-2222.

Jae SY, Kurl S, Kim HJ, Franklin BA, Kunutsor SK, Kang M, Laukkanen JA. Is there an "asymptote of gain" beyond which further increases in cardiorespiratory fitness convey no addition benefits on mortality and atrial fibrillation? ***Mayo Clin Proc***. 2019. Mar;94(3):545-547.

Jae SY, Bunsawat K, Kunutsor SK, Yoon ES, Kim HJ, Kang M, Choi YH, Franklin BA. Relation of Exercise Heart Rate Recovery to Predict Cardiometabolic Syndrome in Men. ***Am J Cardiol***. 2019. Feb 15;123(4):582-587.

Jae SY, Kurl S, Fernhall B, Kunutsor SK, Franklin BA, Laukkanen JA. Are Metabolically Healthy Overweight/Obese Men at Increased Risk of Sudden Cardiac Death? ***Mayo Clin Proc***. 2018 Sep;93(9):1266-1270.

Jae SY, Franklin BA, Kurl S, Fernhall B, Kunutsor SK, Kauhanen J, Laukkanen JA. Effect of Cardiorespiratory Fitness on Risk of Sudden Cardiac Death in Overweight/Obese Men Aged 42 to 60 Years**.** ***Am J Cardiol***. 2018 Sep 1;122(5):775-779.