

Sayumi Iwamoto
BSc Mukogawa Women's, MSc Tsukuba, PhD Waseda,
ISAK3, Athletic Trainer, PE

Research specialisation: Injury prevention, Athletic training, kinanthropometry

Experience:

As an athletic trainer involved in conditioning for 28 years, from professional athlete to competitive level of junior athlete. Experience engaged in men's and women's long distance team, men's and women's basketball team, men's and women's volleyball team, men's high school rugby team, men's and women's tennis players, women's golf players, men's bicycle, baseball etc. In tennis there are experiences with the Japan Olympic Committee Strengthening Staff and the Technical Science Support Team of the Japan Tennis Association Enhancement Headquarters.



Research overview:

Injury prevention research is progressing in four stages. 1) Epidemiological analysis reveals injuries occurring at the sports scene, 2) Analysis of injury mechanisms using sports biomechanics, 3) Proposal and practice training for sports injury prevention, and 4) Investigation of the results. Ongoing research on tennis and throwing to date.

Case report of athletic rehabilitation for prevention of recurrence of sports injuries.

About the teaching method of training for improving sports performance, studied the gaze of the teacher and the physical knowledge of the athlete using mixed research methods. Currently practicing research on the kinanthropometry field which continuously measures the body condition in conditioning of the rugby player.

Postgraduate supervision:

Currently I am supervising one Master's student. Topics on the change of gaze at guidance - Difference between experienced leader and immature leader - We are studying using gaze tracking and biomechanics methodology.

Research publications:

Iwamoto, S., Futagami, M. (2017) The athletic rehabilitation to capture from the point of view of "body knowledge" in case study: The successful example of "motion-making training" for the pitching motion correction. *Journal of Human Life Design Vol.12* In Print. (Published in Japanese)

Iwamoto, S., Kanamori, A. (2017) A university tennis player returning to the game after an ACL injury and choosing non-operative rehabilitation protocol: A case report. *Japanese Journal of Tennis Science Vol.25* In Print. (Published in Japanese)

Iwamoto, S., (2015) Evidence for senior citizens gymnastics planning and program concept -An example of program planning aiming at rising motion from chair sitting position and contribution to walking motion - *Journal of Human Life Design Vol.10* P231-224 (Published in Japanese)

Iwamoto, S., Fukubayashi, T., Hume, P., Pelvic Rotation and Lower Extremity Motion with Two Different Front Foot Directions in the Tennis Backhand Groundstroke. *Journal of Sports Science and Medicine. 12* P339-345

Iwamoto, S., Mogi, N., Michikami S. (2011) Proposal of lower extremity injury and prevention program for tennis players Japanese *Journal of Tennis Science Vol.19* p1-9 (Published in Japanese)

Iwamoto, S., Kuramochi, Rieko., Fukubayashi T. (2011) Current situation of injury occurrence and practice situation of university and high school tennis players Japanese *Journal of Clinical Sports Medicine Vol.19(1)* p36-42 (Published in Japanese)



Sayumi Iwamoto(PhD)
 Associate professor
 Faculty of Human Life Design
 Toyo University
 Oka 48-1, Asaka-Shi,
 Saitama, 351-8510 Japan
Phone&Fax: +81 (0)48-468-6366
E: siwamoto@toyo.jp