



ACSS 2018

Asia-Singapore Conference on Sport Science 2018

PROGRAMME & ABSTRACT BOOK

ISBN: 978-981-11-6605-1



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Asia Research



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18th July 2018

Venue: Holiday Inn Singapore Atrium Level 3 (Seletar Ballroom)

SESSION III: 10:30 – 12:10

Room: Seletar Ballroom

Session Chair: Lee Kar Heng, TBSS, Singapore

Talent Identification Based on General Motor Fitness and Sport Specific Fitness Differences in Elite, Intermediate and Novice Ability Male Karate Athletes

Hovik Keshishian, Charles Darwin University, Australia; Ian Tim Heazlewood, Charles Darwin University, Australia

The Impact of the Development of Chinese Sport Policies on Community Sport in China

Shuguang Zhang, China Sport Information Center, China

Influence of Beijing Winter Olympic Games on Winter Sports for all in China

Chen Li, China Sport Information Center, China

The association between physical activity and Cervical Neoplasia risk

Hsiu-Ting Tsai, Taipei Medical University, Taiwan; Ching-Wen Chang, Taipei Medical, Taiwan; Yu-Wen Su, Taipei Medical, Taiwan

Evaluating the fundamental movement skill (FMS) competencies of children via an integrated online and mobile-app assessment system

Edgar K. Tham, SportPsych Consulting Pte Ltd, Actualized Pte Ltd, Singapore University of Social Sciences, Singapore; Wylie Wee, Actualized Pte Ltd, Singapore; Michelle Kong, SportPsych Consulting Pte Ltd, Actualized Pte Ltd, Singapore; Toh Jia Wen, SportPsych Consulting Pte Ltd, Actualized Pte Ltd, Singapore

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Abstract

Fundamental movement skills (FMS) are the building blocks of motor skills development and they form the foundation for future sport specialization and active lifestyles. FMS assessments are typically conducted to assess the current physical developmental status of the child (typically 3 to 10 years of age) and to track their progress. Currently, almost all of these assessments are conducted manually. This often involves assessors testing the children using pen-and-paper during a session or lesson, and then having to go back to record, score and analyze the scores post-session. The full assessment process is time consuming, with a potential for error (e.g., errors when transferring the scores from paper to a scoring form). Therefore, the FMS assessment system was developed to address these real-life challenges. This paper outlines the development of Singapore's first FMS assessment system for preschool and lower primary school coaches, educators and parents (aka assessors). The assessment system includes an online planning portal and a mobile app. This system allows assessors to manage FMS tests and children details online in one place. The app gives assessors a user-friendly and portable way to run assessments. Scores are recorded directly in the app on-site, and an individualized report is generated immediately after the assessment is completed. This assessment tool aims to provide assessors with a quick, organized and accurate way to assess and track children's FMS competencies. Future development and improvement plans will also be discussed.

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