KEYNOTE SPEAKERS

MONDAY 8TH JULY
DOES IT MATTER WHAT A CRICKETER EATS?
Peter Brukner

TUESDAY 9TH JULY
GETTING THE BEST FROM OUR QUICKS
Kevin Shine & Paul Felton

SPONSORS

VICON
IMeasure U

6TH WORLD CONGRESS OF SCIENCE AND MEDICINE IN CRICKET

8th - 10th July 2019
Loughborough, U.K.
Sunday 7th July

19.00 WELCOME RECEPTION - The Link Hotel

Monday 8th July

08.30 REGISTRATION
09.15 WELCOME

INJURY Chair: Peter Brukner
09.30 L. Goggin: Injury epidemiology in men’s elite English and Welsh domestic cricket: A nine season review from 2010 to 2018
09.45 J. Valedsa: Neuromuscular electrical stimulation and the hamstring tendon
10.00 A. Saw: Vertebral artery dissection: Mechanism of injury and implications for risk reduction in cricket
10.15 COFFEE BREAK

SHOULDERS Chair: Jacqueline Alderson
10.45 M. Dutton: The cricketers’ shoulder: Not a classic throwing shoulder
11.00 B. Olivier: The cricketers’ shoulder and injury: asymmetries in internal rotation range of movement, throwing arc and pectorals minor muscle length – a longitudinal cohort study
11.15 M. Dutton: Do cricketers display similar overhead throwing biomechanics to baseball players?
11.30 L. Newton: The effect of a cricket fielding session on glenohumeral range of motion and active joint position sense.
11.45 S. McEachen: The musculoskeletal profile of first-class cricketers with throwing arm pain

KEYNOTE LECTURE Chair: Paul Felton
12.00 P. Brukner: Does it matter what a cricketer eats?
13.00 LUNCH & POSTERS

INVITED PRESENTATION Chair: Pete Alway
14.30 R. Saw: Imaging and progression of lumbar stress fractures in fast bowlers

ADAPTATIONS & INJURIES IN BOWLING Chair: Anna Saw
14.45 R. Ferdinands: Investigating the relationships between kinematic factors and lumbar injury in young fast bowlers
15.00 P. Alway: Regional lumbar bone mineral density differs in cricket fast bowlers with lumbar stress injury
15.15 L. Keylock: The effect of age and bowling delivery speed on lumbar bone mineral in adolescent fast bowlers
15.30 J. Bray: Investigating the relationship between fast bowling workloads, muscle imbalances following spells of simulated fast bowling
15.45 COFFEE BREAK

WORKLOAD Chair: Will Vickery
16.15 C. Munro: Workload monitoring of an elite South African women’s cricket team during the 2018/2019 season
16.30 S. Ferro: Optimising rhythm, ball release speed, and workload in amateur pace bowlers: is there an ideal prescribed delivery intensity?
17.00 F. Garcia-Byrne: GPS-detected lateral sway during a submaximal running test correlates with endurance exercise performance in elite Australian cricketers
19.00 BANQUET - Holywell Park Conference Centre
All Day BATFAST - “thril-a-minute cricket simulator”

Tuesday 9th July

07.30 VICON BREAKFAST
Holywell Park Conference Centre

FAST BOWLING STRENGTH & CONDITIONING Chair: Benita Olivier
09.00 C. Peterson: Effect of a 6-week Indian clubbell strength programme on fast bowlers’ shoulders
09.15 M. Forrest: Exercises to modify risk factors for injury in community-level adolescent pace bowlers
09.30 S. Ranjit: Functional movement screening in elite Indian fast bowlers
09.45 W. Vickery: The development of a fast bowling Twenty20 match simulation
10.00 S. Feros: Bowling with modified-implements in the warm-up: do they alter pace bowling skill, rhythm, and sensation with a regular ball?
10.15 COFFEE BREAK

PREPARATION & STRESS Chair: Candice Christie
10.45 P. Gamage: Understanding heat stress and exposure during test-cricket play: an exploratory study
11.00 H. Anderson: Enhancing concentration in an elite international male cricketer: A longitudinal mixed methods study
11.15 K. McEwan: Sleep quantification of elite South African cricket players during a home and away series, for both One-day international (ODI) and Twenty20 games
11.30 B. Campbell: Pilot study investigating the time of day effects on perceptual, physical and performance indicators of adolescent fast bowlers
11.45 J. Turner: GPS and time motion analysis on the physical demands of fielding in professional cricket

KEYNOTE LECTURE Chair: Mark King
12.00 K. Shine & P. Felton: Getting the best from our quicks
13.00 LUNCH & POSTERS

INVITED PRESENTATION Chair: Pete Alway
14.30 P. Inge: Comparison of men’s & women’s cricket injuries at the elite level in Australia

IMPACT & OVERUSE INJURIES Chair: Pip Inge
14.45 B. Jones: Association of leading leg knee cartilage volume with bowling kinetics in current elite fast bowlers
15.00 A. Alva: Fast Bowler’s Knee – Management of articular impingement in International players
15.15 A. Kini: Foot and ankle overuse injuries in fast bowlers: comparison between front on & side on action bowlers
15.30 A. Saw: Observable characteristics of head impacts associated with concussion diagnosis in cricket
15.45 COFFEE BREAK

SYMPOSIUM Chair: Nick Peirce
16.15 S. Fillay, G. Batulek, P. Perera & N. Arden: The Cricket Health and Wellbeing Study
17.30 CAMPUS TOUR

OR
16.00 FAST BOWLING WORKSHOP Lead: Rene Ferdinands
National Cricket Performance Centre

19.00 DELEGATE CRICKET MATCH & BBQ
Brockington Cricket Pitch

Wednesday 10th July

BATTING Chair: Rene Ferdinands
09.00 B. Jones: Optimising Challenge: Key in the Development of England’s Greatest Batsmen?
09.15 H. Noorbhai: The batting backlift technique in cricket: What is the consensus at all skill levels?
09.30 S. Talipe: Visual perceptual ability in adolescent cricket batsmen
10.00 N. Isaacs: The role of expertise and kinematics of the rotary batting technique
10.15 COFFEE BREAK

TALENT ID & DEVELOPMENT Chair: Stuart McErlain-Naylor
11.00 M.A. Dove: The value of a socio-ecological approach to talent development in cricket
11.15 A. Nicholls: How do culture and norm circles (as shaped by coaches and others) play a role in influencing the actions of cricketers?
11.30 M. Harwood: Scaling the pitch for under-1Is beyond
11.45 A. Lascu: Perceptions of talent development in Women’s Cricket from national-level players and coaches.

SPIN BOWLING Chair: Marc Portus
12.15 K. Thiagarajan: Accuracy of Upsampling decisions for detecting illegal bowling action in Cricket from different positions in comparison with 3D Biomechanics analysis
12.30 P. Felton: Relationships between spin bowling technique and spin movement

INVITED PRESENTATION Chair: Pete Alway
12.45 A. Nicholls: Hand Injuries in Elite Australian Cricketers
13.00 LUNCH

INVITED PRESENTATION Chair: Pete Alway
14.30 J. Orchard: Cricket Australia cardiac screening program

TECHNOLOGY IN CRICKET Chair: Mark King
14.45 N. Somasuri: Use of smart watches to detect bowling speeds and counts for fast bowlers
15.00 P. Dias: Machine Learning of Batting Movement Data Patterns for Injury Prevention
15.15 C. Petersen: Cricket Gr8 App: Inspiring net sessions
15.30 H. Jowitt: Auto detecting deliveries in elite cricket fast bowlers using microsensors and machine learning
15.45 CLOSING CEREMONY

WORKSHOPS
16.15 STRENGTH & CONDITIONING Lead: Rob Ahmun
Holywell Park Conference Centre

17.15 EMERGENCY CARE Lead: Nick Peirce
Holywell Park Conference Centre

19.00 CLOSING SOCIAL
Orange Tree, Loughborough