DELIVERY STRIDE LENGTH AS A PREDICTOR OF SHOULDER COUNTER ROTATION OF PACE BOWLING IN CRICKET

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ABSTRACT

The purpose of the study was to find out the relationship between Delivery Stride Length and Shoulder Counter Rotation in Pace Bowling in Cricket. To fulfill the purpose, 11male university level pace bowlers (Aged 21.91±1.64; Height1.654±0.07) of Visva-Bharati University were filmed in an outdoor field in a standard (20.12 m) cricket pitch. Two-Dimensional Kinematic (2-D) data were collected by pointing two standard cameras from the direction of two planes (Transverse and Sagital). For the acquisition of kinematic data subject's Shoulder Alignment at Back Foot Contact and Front Foot Contact, Shoulder Counter Rotation and Delivery Stride Length was analyzed in Kinovea Software (8.25 version). In statistical analysis Pearson Product Moment correlation shows significant relationship (r=0.59) between Delivery Stride Length and Shoulder Counter Rotation of the pace bowlers. From the obtain result it is concluded that in Pace Bowling, Delivery Stride Length and Shoulder Counter Rotation having significant relationship and Delivery Stride Length can be a strong predictor of Shoulder Counter Rotation.