conditions, etc. In the clinical context, this analysis has provided useful insight for detecting people walking with disabilities or improper walking techniques. The effect of the knee valgus on ACL injuries in athletes playing jump-oriented sports such as basketball, volleyball, handball, etc. has been quantitatively studied in this paper using Kinect. The KASR is a simple measurement that strongly correlates with the abduction angles resulting from the DVJ. Since there is no arduous task of estimating the hip joint center, the KASR frontal plane measure becomes a simple substitute for the Knee abduction angle, thereby offering immense promise to screen the risk of ACL injury during dynamic movement tasks. Thus, in the context of sports, it has provided useful information regarding injuries and their subsequent rehabilitation measures.

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