3K\VLFDO GLVDELOLW\ UDQJH RI PRWLRQ DQG VHOHFWHG JE osteoarthritis

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Osteoarthritis is the most common joint disorder worldwide. In Nigeria, the most a ected joint is the knee. ere is paucity of literature on the interrelationships among physical disability, range of motion and selected gait of knee OA patients in Nigeria. is study is therefore to investigate the relationships between physical disability and knee exion and each of stride length, dynamic base of support, walking speed and stride time in patients with knee OA. e participants were purposively sampled and recruited as they became available. e degree of physical disability was measured using Ibadau knee/hip osteoarthritis outcome measure questionnaire (IKHOAM), with higher IKHOAM scores implying lesser physical disability. Active knee exion was measured using goniometer. Footprints of participants were recorded in a 10 m paper walkway. Kinematic gait parameters were computed using the footprints within the central 6 m of the 10 m walkway. Pearson's product moment correlation was used to determine the correlation between the IKHOAM scores and degree, each of knee exion, between the IKHOAM scores and each of kinematic gait parameters. e level of signi cance was set at 0.05 alpha. Results showed signi cant correlations between physical disability and each of knee exion (P=0.016, r=-0.336), stride time (P=0.023, r=+0.347), stride length (P=0.009, r=-0.396) ar stride time (p=0.029, r=-0.333). It was concluded that walking speed and stride time were the only kinematic parameters tha correlated with each of knee exion and physical disability.

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