Step length, stride length, cadence, and velocity are important quantitative, interrelated kinematic measures of gait.Pathological gait commonly produces asymmetries in step length between the two lower limbs.Step length is the distance from the floor-contact point of one (ipsilateral, originating) foot in early stance to the floor-contact point of the opposite (contralateral) foot: in normal individuals the distance from right heel contact to left heel contact.A reduction in functional joint motion or the presence of pain or muscle weakness can result in decreased stride or step length, or both. Velocity is the distance traveled in a given unit of time (the rate of forward progression) and is usually expressed in centimeters per second or meters per minute.Step length and stride length are not synonymous.Stride length is the distance from floor contact on one side to the next floor contact on that same side: the distance from right heel contact to the next right heel contact.Cadence is the number of steps taken in a given unit of time, most often expressed in steps per minute.Velocity is the best single

lakhasly.com © تم تلخيص النص بواسطة موقع لخصلي