

## Comparison Of Biomechanical Gait Parameters Of Young

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### Comparison Of Biomechanical Gait Parameters

Comparison of biomechanical gait parameters of young children with haemophilia and those of age-matched peers. Stephensen D(1), Drechsler W, Winter M, Scott O. Author information: (1)School of Health and Bioscience, University of East London, London, UK.

### Comparison of biomechanical gait parameters of young ...

The frequency of joint haemorrhages has reduced, but the consequences of reduced bleeding on the biomechanical parameters of walking are not well understood. This study explored the differences in sagittal plane biomechanics of walking between a control group (Group 1) of normal age-matched children and children with haemophilia (Group 2) with a target ankle joint.

### Comparison of biomechanical gait parameters of young ...

Comparison of biomechanical gait parameters in patients after total knee arthroplasty with use of fixed-bearing medial-pivot and multi-radius design implants - randomized controlled trial Artur Stolarczyk1, Magda Stolarczyk2 ,Igor Jarzemski1, Marcin Mostowy3, Grzegorz J. Maciąg1,

### Article Comparison of biomechanical gait parameters in ...

Comparison of biomechanical gait parameters of young children with haemophilia and those of age-matched peers

### (PDF) Comparison of biomechanical gait parameters of young ...

Comparison of biomechanical gait parameters of young children with haemophilia and those of age-matched peers Article (PDF Available) in Haemophilia 15(2):509-18 · March 2009 with 171 Reads

### (PDF) Comparison of biomechanical gait parameters of young ...

Abstract Background: Modern gait analysis offers a broad variety of biomechanical parameters through which to quantify gait. However, no consensus has yet been established with regards to which ...

### (PDF) Biomechanical parameters for gait analysis: a ...

Acta of Bioengineering and Biomechanics Original paper Vol. 16, No. 1, 2014 DOI: 10.5277/abb140104 Comparison of four methods of calculating the symmetry of spatial-temporal parameters of gait MICHALINA BŁAŻKIEWICZ1\*, IDA WISZOMIRSKA1,2, ANDRZEJ WIT1

### Comparison of four methods of calculating the symmetry of ...

The main objective of this work is to biomechanically compare difference conditions of gait assistance in Children with CP using CPWalker.The results showed some differences among three patients with different conditions in terms of gait parameters, pelvic angles and propulsion.

### Biomechanical comparison of patients with cp with ...

1. Gait Posture. 2011 Mar;33(3):496-500. doi: 10.1016/j.gaitpost.2011.01.002. Epub 2011 Feb 2. A biomechanical comparison of the running gait of mature and young females. Lilley K(1), Dixon S, Stiles V. Author information: (1)Sport and Health Sciences, College of Life and Environmental Sciences, University of Exeter, Exeter, Devon, United Kingdom.

## **A biomechanical comparison of the running gait of mature ...**

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## **Comparison Of Biomechanical Gait Parameters Of Young**

Few studies clarify the biomechanical changes of gait that occur during pregnancy and in postpartum. The purpose of this review was to analyze the available evidence on the biomechanical adaptations of gait that occur throughout pregnancy and in postpartum, specifically with regard to the temporal, spatial, kinematic, and kinetic parameters of ...

## **Biomechanics of Gait during Pregnancy**

The aim of this study is to determine how selected gait parameters change as a result of total hip arthroplasty at constant gait speed, to examine the effects of the surgical procedure on the biomechanics of gait twelve months postoperatively and to perform comparisons between gait parameters determined 3, 6, 12 months after THA and those of healthy persons, before THA asymmetry was observed in ...

## **Comparison of gait parameters in patients with total hip ...**

A group of scientists from the UK gave their attention to this issue and published their results in 'Clinical Biomechanics' last week. To compare gait parameters with and without an exoskeleton, the group made eight healthy, able-bodied individuals walk a 12-m distance once with, and twice without the exoskeleton (slow & comfortable speed).

## **The week in Biomechanics #CW32 - The Biomechanist**

The effect of using the device was analyzed for spatio-temporal parameters, pelvic girdle angles and general gait cycle parameters. Among the eighteen initial parameters, seven presented a statistical significant difference when comparing stage 2 of the intervention with stages 1 and 3. Those change ...

## **Evaluation of biomechanical gait parameters of patients ...**

The results showed statistical significant differences in several spatio-temporal parameters, pelvic angles and general gait cycle parameters, with and without the use of the robotic device. For the eight patients: cadence, speed and stride length presented similar values when comparing before and after the therapy.

## **Evaluation of biomechanical gait parameters of patients ...**

Objective: To investigate the differences in biomechanical parameters measured by gait analysis systems between healthy subjects and subjects with plantar fasciitis (PF), and to compare biomechanical parameters between 'normal, barefooted' gait and arch building gait in the participants. Methods: The researchers evaluated 15 subjects (30 feet) with bilateral foot pain and 15 subjects (15 feet ...

## **Biomechanical Parameters in Plantar Fasciitis Measured by ...**

Two studies compared the gait parameters of FUs only [ 2, 21 ], two studies combined FUs and FTUs to one group [ 28, 29] and five studies analysed FTUs only [ 2, 23, 24, 25, 27 ]. All studies investigating FUs revealed an increase in gait velocity, swing time and stride length when using a rollator, while these changes could not be found in FTUs.

## **Walking with rollator: a systematic review of gait ...**

Temporospatial parameters of gait, including cadence, swing time, double leg support time, stance phase time, step length, stride length, stride time, and walking speed, were compared between the healthy controls and fracture patients .

## **Comparison of Spatiotemporal Gait Parameters Following ...**

This demonstrates the importance of evaluating biomechanical parameters at multiple timepoints within a single study using a single surgical procedure. The only difference in gait biomechanics in the current study was reduced maximum hip external rotation moments during gait, which are

consistent with previous studies [15, 17].

### **Squat and gait biomechanics 6 months following hip ...**

This information is important to maximise the effects of gait rehabilitation. The aim was to compare the 3D gait parameters of able-bodied individuals walking with and without an exoskeleton at two speeds (self-selected comfortable vs. slow, speed-matched to the exoskeleton) to understand how the user's body moved within the device.

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