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Google 学术 : Balance control during gait initiation: state-of-the-art and research perspectives

... Institute on Aging Research Conference on Frailty in ... - Walston - 被引用次数 : 970

Randomized, controlled trials, observational studies, ... - Concato - 被引用次数 : 2864

State of the art in geriatric rehabilitation. Part I: review ... - Wells - 被引用次数 : 189

[PDF] Differences in Balance and Muscle Activation Strategies during Gait ... scholarship.shu.edu/cgi/viewcontent.cgi?article=3118&context... ▼ [翻译此页](#)

作者 : L Curtis-Vinegra - 2015 - [相关文章](#)

2015年8月17日 - Strategies during Gait Initiation at Different Speeds ... members that I came to fathom the complexity of doing research and the importance of having different perspectives to understand it. ... Both of these men spent their lives dedicated to the art and static standing state into the dynamic state of walking.

[PDF] Research in P&O: Are We Addressing Clinically-Relevant Problems?

www.nupoc.northwestern.edu/docs/research/RERC/SOS-2006_Report.pdf ▼ [翻译此页](#)

2006年2月28日 - State-of-the-Science Report: RERC in Prosthetics and Orthotics ... Currently, the practice of P&O is very much an art form, typically requiring give research and clinical perspectives on a general topic area, and then to follow the two at this time, we need well-controlled prosthetic foot studies that ...

Postural control during gait initiation and termination of adults with ...

<https://www.ncbi.nlm.nih.gov/pubmed/25725378> - [翻译此页](#)

作者 : JF Lemay - 2015 - 被引用次数 : 2 - [相关文章](#)

2015年2月26日 - Postural control during gait initiation and termination of adults with ... Centre for Interdisciplinary Research in Rehabilitation of Greater ... Gait initiation and termination are potentially challenging tasks for balance due to the ...

缺少字词 : [state art perspectives](#)

Name of Journal: *World Journal of Orthopedics*

Manuscript NO: 35002

Manuscript Type: Review

Balance control during gait initiation: State-of-the-art and research perspectives

Eric Yiou, Teddy Caderby, Arnaud Delafontaine, Paul Fourcade, Jean-louis Honeine

Abstract

It is well known that balance control is affected by aging, neurological and orthopedic conditions. Poor balance control during gait and postural maintenance are associated with disability, falls and increased mortality. Gait initiation – the transient period between the quiet standing posture and steady state walking – is a functional task that is classically used in the literature to investigate how the central nervous system (CNS) controls balance during a whole-body movement involving change in the base of support dimensions and center of mass progression.

Match Overview

Rank	Source	Words	Percentage
1	Internet crawled on 15-Aug-2017 journal.frontiersin.org	188 words	3%
2	Crossref Yiou, Eric. "Adaptability of anticipatory postural adjustments associated with voluntary movement", <i>World Journal of O</i>	128 words	2%
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6	Crossref Yiou, E., C. Teyssèdre, R. Artico, and P. Fourcade. "Comparison of base of support size during gait initiation using ..."	46 words	1%

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State of the art in geriatric rehabilitation. Part I: review ... - Wells - 被引用次数 : 191

Randomized, controlled trials, observational studies, ... - Concato - 被引用次数 : 2902

Music Therapy Interventions in Parkinson's Disease: The State-of-the-Art

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者 : A Raglio - 2015 - 被引用次数 : 10 - [相关文章](#)

2015年8月31日 - In view of the above, Neurologic Music Therapy (NMT) → especially Rhythmic ... From this perspective, I believe that research should take these ... Randomized Controlled Trials and Controlled Clinical Trials from Rhythmic auditory-motor facilitation of gait patterns in patients with Parkinson's disease.

Control of an Ambulatory Exoskeleton with a Brain–Machine Interface ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者 : E López-Larraz - 2016 - 被引用次数 : 13 - [相关文章](#)

2016年8月3日 - Secondly, robotic walking devices with balance control, such as the REX ... Thirdly, ambulatory exoskeletons, such as the ReWalk (Bionics Research Inc) ... The current state of the art in non-invasive BMI technology does not allow for ... the intention of gait initiation, which is used as a volitional control signal ...

[PDF] Differences in Balance and Muscle Activation Strategies during Gait ...

<scholarship.shu.edu/cgi/viewcontent.cgi?article=3118&context...> - [翻译此页](#)

作者 : L Curtis-Vinegra - 2015 - [相关文章](#)

2015年8月17日 - Differences in Balance and Muscle Activation Strategies during Gait ...



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Google 学术: Balance control during gait initiation: State-of-the-art and research perspectives

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State of the art in geriatric rehabilitation. Part I: review ... - Wells - 被引用次数: 191

Randomized, controlled trials, observational studies, ... - Concato - 被引用次数: 2908

[International Society of Posture and Gait Research | Blogs](#)

www.ispgr.org/blogs [翻译此页](#)

We hope that our **perspective** paper will assist the ISPGR community to ... We suggest that impairments in **gait** and **balance control** are also, at least in part, ... These **state of the art** imaging techniques are integrated with experimental ... **control**, the biomechanics of step **initiation**, and **balance** impairments after concussion.

[Music Therapy Interventions in Parkinson's Disease: The State-of-the-Art](#)

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者: A Raglio - 2015 - 被引用次数: 10 - 相关文章

2015年8月31日 - In view of the above, Neurologic Music Therapy (NMT) – especially Rhythmic ... From this **perspective**, I believe that **research** should take these ... Randomized **Controlled** Trials and **Controlled** Clinical Trials from ... Rhythmic auditory-motor facilitation of **gait** patterns in patients with Parkinson's disease.

[Participatory Arts for Older Adults: A Review of Benefits and Challenges](#)

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者: T Noice - 2014 - 被引用次数: 48 - 相关文章

2013年12月11日 - We included studies with nondemented older adults (>60 years) in good general health. ... **state** of participatory **arts/aging research** at time of their publication. ... cognitive performance for both groups (but better **balance** and **gait** for dancers). ... (For controls, 13 of 22 were normal, 8 mildly