

Name of Journal: *World Journal of Orthopedics*

ESPS Manuscript NO: 28863

Manuscript Type: Original Article

Basic Study

3 Extrinsic visual feedback and additional cognitive/physical demands affect single-limb balance control in individuals with ankle instability

You-jou Hung, Jacob Miller

Abstract

AIM: To investigate the impact of extrinsic visual feedback and additional cognitive/physical demands on single-limb balance in individuals with ankle instability.

METHODS: Sixteen subjects with ankle instability participated in the study. Ankle instability was identified using the Cumberland Ankle Instability Tool (CAIT). The subject's unstable ankle was examined using the Athletic Single Leg Stability Test of the Biodex Balance System (BBS) with 4 different protocols: 1) default setting with extrinsic visual feedback from the monitor, 2) no extrinsic visual feedback, 3) no extrinsic visual feedback with cognitive demands, and 4) no extrinsic visual feedback with physical demands. For the protocol with added cognitive demands, subjects were asked to continue subtracting 7 from a given number while performing the same test without

Match Overview

Rank	Source	Words	Percentage
1	Internet	126 words crawled on 11-May-2016 www.wjgnet.com	4%
2	Crossref	90 words "Orthopaedic Section Poster Presentations (Abstracts of ... O1-OPO236)", <i>Journal of Orthopaedic and Sports Physica</i>	3%
3	Internet	57 words crawled on 09-May-2016 asu-ir.tdl.org	2%
4	Internet	16 words crawled on 25-Jan-2016 www.ncbi.nlm.nih.gov	1%
5	Internet	14 words www.elitetrack.com	<1%
6	Crossref	13 words Hung, You-jou. "Neuromuscular control and rehabilitation of the unstable ankle", <i>World Journal of Orthopedics</i> , 2015.	<1%



全部 图片 新闻 视频 更多 ▾ 搜索工具

找到约 242,000 条结果 (用时 0.63 秒)

[PPT] Poster (2.916Mb)

<https://asu-ir.tdl.org/.../THE%20IMPACT%20OF%20EXTRINS...> ▾ 翻译此页

作者: J Miller - 2016

THE IMPACT OF EXTRINSIC VISUAL FEEDBACK AND ADDITIONAL COGNITIVE OR PHYSICAL DEMANDS ON SINGLE-LIMB POSTURAL CONTROL IN INDIVIDUALS ... the default setting the Athletic Single Leg Stability Test of the Biodex Balance ... For the protocol with added cognitive demands, subjects were asked to ...

Task-Specific Balance Training Improves the Sensory Organi...

www.nature.com > Scientific Reports > Articles - 翻译此页

作者: SSM Fong - 2016 - 相关文章

2016年2月11日 - Sensory organisation of balance control is compromised in children ... The proposed task-specific balance training programme may enhance DCD-affected children's ... FMT protocol to include more single-leg standing balance exercises ... to provide the participants with visual information/ feedback on their ...

[PDF] Curriculum Vitae - Angelo State University

www.angelo.edu/faculty/cv/yhung.pdf ▾ 翻译此页

Poster presentation: The Impact of Extrinsic Visual Feedback and Additional Cognitive or Physical Demands on Single-Limb Postural Control in Individuals with ...

[PDF] Extrinsic feedback for motor learning after stroke - CiteSe...

citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1... ▾ 翻译此页

作者: PM VAN VLIET - 2006 - 被引用次数: 199 - 相关文章

from receiving visual feedback about weight distribution during practice; auditory ... Keywords: Motor learning, feedback, stroke, rehabilitation, physiotherapy ... encourage persistence to master a skill in a physical ... 'external' demonstrated more effective



全部 图片 新闻 视频 更多 ▾ 搜索工具

找到约 94,700 条结果 (用时 0.86 秒)

[PPT] Poster (2.916Mb)

<https://asu-ir.tdl.org/.../THE%20IMPACT%20OF%20EXTRINSIC%20VISU...> ▾ 翻译此页

作者: J Miller - 2016

THE IMPACT OF EXTRINSIC VISUAL FEEDBACK AND ADDITIONAL COGNITIVE OR PHYSICAL DEMANDS ON SINGLE-LIMB POSTURAL CONTROL IN INDIVIDUALS WITH ANKLE INSTABILITY ...

The purpose of this study was to compare the default setting the Athletic Single Leg Stability Test of the Biodex Balance ...

[PDF] Curriculum Vitae - Angelo State University

www.angelo.edu/faculty/cv/yhung.pdf ▾ 翻译此页

... The Impact of Extrinsic Visual Feedback and Additional Cognitive or Physical Demands on Single-Limb Postural Control in Individuals with Ankle Instability.

Attentional demands and postural control in athletes with and without ...

www.ncbi.nlm.nih.gov/pubmed/20195021 ▾ 翻译此页

作者: L Rahnama - 2010 - 被引用次数: 33 - 相关文章

OBJECTIVE: To compare the effect of dual-tasking on postural and cognitive performance ... with functional ankle instability (FAI) and a matched control group without FAI. ... the posture-cognition interaction in individuals with recurrent ankle sprain, ... METHODS: Single-limb postural stability was assessed in 15 recreational ...

Gait & Posture | Vol 40, Iss 1, Pgs 1-278, (May 2014) | ScienceDirect.com

www.sciencedirect.com/science/journal/09666362/40/1 ▾ 翻译此页

Effect of light touch on postural sway in individuals with balance problems: A systematic review. Review Article; Pages 1- ... Wearable feedback can improve walking stability and reduce joint loading. We assess the effect of ankle sprain on single limb balance. Texting was divided into cognitive and physical demands.



全部 图片 新闻 视频 更多 ▾ 搜索工具

找到约 113,000 条结果 (用时 0.70 秒)

[PPT] Poster (2.916Mb)

<https://asu-ir.tdl.org/.../THE%20IMPACT%20OF%20EXTRINSIC%20VISU...> ▾ 翻译此页

作者: J Miller - 2016

THE **IMPACT OF EXTRINSIC VISUAL FEEDBACK AND ADDITIONAL COGNITIVE OR PHYSICAL DEMANDS ON SINGLE-LIMB POSTURAL CONTROL IN INDIVIDUALS WITH ANKLE INSTABILITY ...**

The purpose of this study was to compare the default setting the Athletic **Single Leg** Stability Test of the Biodex **Balance ...**

[PDF] Curriculum Vitae - Angelo State University

www.angelo.edu/faculty/cv/yhung.pdf ▾ 翻译此页

... The **Impact of Extrinsic Visual Feedback and Additional Cognitive or Physical Demands on Single-Limb Postural Control in Individuals with Ankle Instability.**

Gait & Posture | Vol 40, Iss 1, Pgs 1-278, (May 2014) | ScienceDirect.com

www.sciencedirect.com/science/journal/09666362/40/1 ▾ 翻译此页

Wearable **feedback** can improve walking **stability** and reduce joint loading. ... Highlights. • We aimed to highlight the **balance control** process during gait in children with CP. Highlights. • We assess the **effect of ankle sprain on single limb balance.** Texting was divided into **cognitive** and **physical demands.** • Small but ...

Falls in the community-dwelling older adult: A review for primary-care ...

www.ncbi.nlm.nih.gov > NCBI > Literature > PubMed Central (PMC) ▾ 翻译此页

作者: TA Soriano - 2007 - 被引用次数: 65 - 相关文章

Identifying **those** at risk for falls and evaluating a patient after a fall will also be ... The ability to maintain **one's stability** is dependent on the intricate functioning of ... In **addition**, even white matter disease with no **effect on cognition** has been ... The **physical** exam should focus on gait, **balance** and strength, in **addition** to the ...