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Prospective Study

Functional Gait Assessment Scale in the rehabilitation of patients after vestibular tumor surgery in acute hospital

Functional Gait Assessment after vestibular tumor surgery

Abstract

BACKGROUND

Patients in the acute phase of rehabilitation after vestibular tumor surgery are dysfunctional in basic daily activities. Balance, gait impairments, and falls are prevalent with vestibular loss.

AIM

To determine the degree of balance disorders after vestibular tumor surgery, the susceptibility to falls and to consider the use of motor tasks from the Functional Gait Assessment Scale for functional gait, as a part of the vestibular rehabilitation program during the hospital stay.

METHODS

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Feb 20, 2020 · Our results suggest that 5 weeks of **vestibular rehabilitation** using **gaze** and **gait stability exercises** improves both subjective and behavioral performance despite absent change in **VOR gain** in a majority of **patients**, and that **residual otolith function** ...

Cited by: 1

Author: Jennifer L. Millar, Yoav Gimmon, Dale R...

Publish Year: 2020

Observational Gait Assessment Scales in Patients with ...

<https://www.hindawi.com/journals/bmri/2019/2085039> ▼

Objective . To compile and analyze the characteristics and methodological quality of observational **gait assessment** scales validated to date. Methods . PubMed , Scopus , the Cochrane Library , Physiotherapy Evidence Database , Web of Science , Cumulative Index to Nursing and Allied Health Literature</i>, <i>Dialnet</i>, <i>Spanish Medical Index</i>, and <i>Nursing, Physiotherapy</i>, ...

Author: Carmen Ridao-Fernández, Elena Pin... **Publish Year:** 2019

A Framework for Assessment in Oncology Rehabilitation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2967778>

Oct 10, 2007 · The few studies that have assessed these changes have shown deficits in **patients** with bone **tumor** lesions of the lower extremity and tumors of the nervous system. 99 – 103 Traditional **gait** evaluation tools, such as kinematic analysis or **gait** speed measurements, are appropriate for **patients** with cancer.

Cited by: 108

Author: Laura S Gilchrist, Mary Lou Galantino, ...

Publish Year: 2009

Rehabilitation to improve gaze and postural stability in ...

<https://bmcneurol.biomedcentral.com/articles/10.1186/s12883-019-1353-z> ▼

Jun 10, 2019 · The use of **vestibular rehabilitation** principles in the management of gaze and postural stability impairments in people with multiple sclerosis (PwMS) has shown promise in pilot



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Improvement After Vestibular Rehabilitation Not Explained ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7044341>

Feb 20, 2020 · Data presented is from n = 19 **patients** (14 female, mean 48.9 ± 14.7 years) with UVD who completed a baseline **assessment** ~6 weeks **after surgery**, 5 weeks of **vestibular** physical therapy and a final measurement. As a group, subjective and fall risk measures improved with a ...

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Author: Jennifer L. Millar, Yoav Gimmon, Dale Robe...

Publish Year: 2020

The Effects of Vestibular Rehabilitation on Gait ...

<https://www.sciencedirect.com/science/article/pii/S1052305720306327>

Background: **Patients** with post-stroke hemiparesis have poor postural stability; nevertheless, it is unclear whether **vestibular rehabilitation** affects **gait** performance **after** a stroke or not. We performed a systematic review of randomized controlled trials to investigate the effects of **vestibular rehabilitation** on **gait** performance in **patients** with post stroke.

Author: Tsubasa Mitsutake, Takeshi Imura, Ryo ... **Publish Year:** 2020

Performance of High School Adolescents on Functional Gait ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4144403>

Estimates of the prevalence of persistent dizziness **after** mild traumatic brain injury (mTBI) (i.e. concussion) varies between 1.2% to 32.5% depending on age group and time of follow-up. 14–15 Persistent balance problems have also been reported **after** concussion. 10,16 **Vestibular rehabilitation** is increasingly being used to manage dizziness and ...

Cited by: 17

Author: Bara A. Alsalaheen, Susan L. Whitney, Susa...

Publish Year: 2014



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Vestibular Rehabilitation for Peripheral Vestibular ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC26913496>

Apr 01, 2016 · **Acute** and subacute postoperative **patients**: Two level I and 1 level II studies have examined the effect of gaze stabilization exercises on the recovery **of patients** during the early postoperative period **after vestibular** schwannoma resection. 16,18,40 **Patients** performed gaze stabilization exercises 3 to 5 times daily for a total of 12 to 20 minutes ...

Cited by: 174 **Author:** Courtney D. Hall, Susan J. Herdman, Sus...

Publish Year: 2016

Improvement After Vestibular Rehabilitation Not Explained ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7044341>

Feb 20, 2020 · Data presented is from n = 19 **patients** (14 female, mean 48.9 ± 14.7 years) with UVD who completed a baseline **assessment** ~6 weeks **after surgery**, 5 weeks of **vestibular** physical therapy and a final measurement. As a group, subjective and fall risk measures improved with a meaningful clinical relevance.

Cited by: 2 **Author:** Jennifer L. Millar, Yoav Gimmon, Dale Ro...

Publish Year: 2020

Functional recovery of patients with brain tumor or acute ...

<https://www.sciencedirect.com/science/article/pii/S0967586808002075>

Jan 01, 2009 · **Patients** suffering from brain **tumor** can have various neurological and **functional** deficits depending on age, localization, **tumor** type, lesion side and co-morbidities. Although brain **tumor patients** may make a full neurological recovery **after tumor surgery** and may not need **rehabilitation**, some **patients** may still have deficits **after surgery**.

Cited by: 64 **Author:** D. Geler-Kulcu, G. Gulsen, E. Buyukbaba...

Publish Year: 2009

Concurrent validity of the Berg Balance Scale and the ...

<https://onlinelibrary.wiley.com/doi/abs/10.1002/pri.288>

Mar 29, 2006 · Holm Thieme, Claudia Ritschel, Christian Zange, Reliability and Validity of the **Functional Gait Assessment** (German Version) in Subacute Stroke **Patients**, Archives of Physical Medicine and Rehabilitation, 10.1016/j.apmr.2009.03.007, 90, 9, (1565-1570), (2009).

Cited by: 114 **Author:** Susan Whitney, Diane Wrisley, Joseph E...