AARHUS UNIVERSITY

Press release

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Basic information

Name: Gunhild Mo Hansen Email: guhans@rm.dk Phone: 61864000

Department of: Clinical Medicine

Main supervisor: Jørgen Feldbæk Nielsen

Title of dissertation: Shoulder function and constraint-induced movement therapy - assessed with 3D kinematics and clinical and patient-reported outcomes

Date for defence: 30 November 2018 at (time of day): 13.30 Place: Multisalen, Regionshospitalet Hammel Neurocenter, Universitetsklinik for Neurorehabilitering, 8450 Hammel

Press release (Danish)
"Skulderfunktion og constraint-induced movement therapy"

Stroke rammer 10.000-15.000 mennesker i Danmark årligt. 50 % af dem, som overlever en stroke, genvinder funktionel brug af arm og hånd. Constraint-induced movement therapy (CIMT) er en intensiv træning af arm-hånd-funktionen og der foreligger god evidens for effekten af denne træning på den samlede armfunktion. Vi ved mindre om skulderfunktionen og specifikke bevægelseskomponenter. 3D kinematisk bevægeanalyse er en målemetode, der kan bidrage med objektive detaljer om bevægelserne i skulderen hos CIMT patienter. I et nyt ph.d.-projekt fra Aarhus Universitet, Health, er ændringer i skulderfunktion hos CIMT-patienter belyst med kinematisk bevægeanalyse og kliniske og patient rapporterede oplysninger. Derudover er inter- og intra-tester reliabilitet af kinematiske målinger af skulderbevægelser hos stroke patienter undersøgt. Projektet er gennemført af Gunhild Mo Hansen, der forsvarer det d. 30/11-2018 kl

Forsvaret af ph.d.-projektet er offentligt og finder sted den 30/11-2018 kl. 13.30 i Multisalen, Regionshospitalet Hammel Neurocenter, Voldbyvej 15, 8450 Hammel. Titlen på projektet er "Shoulder function and constraint-induced movement therapy - assessed with 3D kinematics and clinical and patient-reported outcomes". Yderligere oplysninger: Ph.d.-studerende Gunhild Mo Hansen, e-mail: guhans@rm.dk, tlf. 61864000.

Bedømmelsesudvalg:
Inger Mechlenburg, Professor, PhD, dr.med., Chairman of the committee and moderator of the defence, Aarhus University Hospital, Department of Orthopaedic Surgery, Aarhus, Denmark

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Press release (English)
"Shoulder function and constraint-induced movement therapy"

About 10.000-15.000 people suffer a stroke in Denmark every year. 50 % of the people surviving a stroke regain functional use of the upper extremity. Constraint-induced movement therapy (CIMT) is a highly recommended intensive approach for the rehabilitation of upper limb function following stroke and recognized as being effective on the overall arm-function. We know less about the proximal

function and specific movement components. 3D kinematic movement analysis can contribute with specific objective details about the shoulder function in CIMT patients. In a recent ph.d. project from Aarhus University, Health, changes in shoulder function in CIMT patients have been examined with kinematic movement analysis and clinical and patient reported outcomes. Also, the inter- and intra-rater reliability of kinematic measures of shoulder movements in stroke patients with reduced shoulder function was evaluated.
The project was carried out by Gunhild Mo Hansen, who is defending her dissertation on 30/11-2018 at 13.30 in Multisalen, ground floor at Hammel Neurorehabilitation Centre, 8450 Hammel.

The defence is public and takes place on 30/11-2018 at 13.30 at Multisalen, Hammel Neurorehabilitation Centre, 8450 Hammel . The title of the project is "Shoulder function and constraint-induced movement therapy - assessed with 3D kinematics and clinical and patient-reported outcomes". For more information, please contact PhD student Gunhild Mo Hansen, email: guhans@rm.dk, Phone +45 61864000.

Assessment committee:
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