

Press release

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Basic information

Name: Sidsel Hastrup, MD Email: sidshast@rm.dk Phone: +4526798011

Department of: Clinical Medicine

Main supervisor: Professor Grethe Andersen, MD, DMSci, Neurology

Title of dissertation: "Organization of acute stroke services"

Date for defence: 24.01.2020 at (time of day): 14.00 Place: Auditorie J116-113, Indgang J, Aarhus University Hospital, Palle Juul-Jensens Blvd. 99, 8200 Aarhus, Denmark

Press release (Danish)

"Prehospital Acute Stroke Severity" (PASS) skala til identifikation af blodprop i hjernens store kar og effekten af centraliseringen af den akutte stroke behandling i Region Midt.

Et ph.d.-projekt fra Aarhus Universitet, Health, præsenterer udviklingen af "Prehospital Acute Stroke Severity" (PASS) skala til at identificere blodprop i et af hjernens store kar samt effekterne af en centralisering af den akutte stroke behandling i Region Midtjylland. Projektet er gennemført af Sidsel Hastrup, MD, der forsvare det d. 24/01 2020.

Trombektomi er en effektiv behandling af blodprop i hjernens store kar, men behandlingen er meget tidsafhængig og udføres kun på højt specialiserede stroke centre. I dette projekt udviklede vi den enkle kliniske "Prehospital Acute Stroke Severity" (PASS) skala til at identificere blodprop i et af hjernens store kar. Den bestod af kun tre elementer. Skalaen valideres nu i præhospitalfasen og anvendes til at udvælge patienter, der formodentlig har gavn af direkte transport til et højt specialiseret stroke center med trombektomi.

Omkostningseffektiv stroke-behandling er en nøgle til at udnytte de betydelige fremskridt, der er sket indenfor stroke-behandlingen de sidste 2 årtier. I dette projekt undersøgte vi effekterne af en centralisering og effektivisering af den akutte stroke-behandling i Region Midtjylland, herunder effekterne af en ambulant dagklinik for patienter med mindre strokes og forbigående hjerneblodprop. Resultaterne peger på, at centralisering af stroke-behandling herunder akut ambulant dagklinikbehandling, kan være en optimal måde at organisere stroke-behandlingen på med hensyn til omkostninger og kvalitet.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 24/01 2020 kl. 14.00 i Auditorie J116-113, Aarhus Universitetshospital, Palle Juul-Jensens Blvd. 99, 8200 Aarhus, Danmark. Titlen på projektet er "Organization of acute stroke services". Yderligere oplysninger: Ph.d.-studerende Sidsel Hastrup, e-mail: sidshast@rm.dk, tlf. +4526798011.

Bedømmelsesudvalg:

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Department of Emergency Medicine, Odense University Hospital, Odense, Denmark

Press release (English)

"Prehospital Acute Stroke Severity" (PASS) scale to identification of large vessel occlusion stroke and the effects of centralization the acute stroke services in Central Denmark Region.

A PhD-project from Aarhus University, Health, presents the development of the "Prehospital Acute Stroke Severity" (PASS) scale to identify large vessel occlusion stroke and the effects of a centralization of the acute stroke services in the Central Denmark Region. The project was carried out by Sidsel Hastrup, MD, who is defending her dissertation on 24/01 2020.

Thrombectomy is an effective treatment option of large vessel occlusion stroke, but the treatment is critically time dependent and performed at comprehensive stroke centers only. In this project, we developed the simple "Prehospital Acute Stroke Severity" (PASS) scale to identify large vessel occlusion stroke. It consisted of only three items. The scale is now validated in the prehospital phase and it is used to select patients who may benefit from direct transportation to a comprehensive stroke center with thrombectomy.

Cost-effective stroke services is a key to exploit the significant advances made in stroke treatment over the past 2 decades. In this project we investigated the effects of a centralization and streamlining of the acute stroke services in the Central Denmark Region including the effects of an outpatient clinic for patients with minor stroke and transient ischemic attack. The results indicate that centralization of stroke care services including acute outpatient diagnostics and treatment may be an efficient way to organize acute stroke services with regards to costs and quality of care.

The defence of the PHD-project is public and takes place on the 24/01 2020 at 14.00 Auditorie J116-113, Aarhus University Hospital, Palle Juul-Jensens Blvd. 99, 8200 Aarhus, Denmark. The title of the project is "Organization of acute stroke services". For more information, please contact PhD student Sidsel Hastrup, email: sidshast@rm.dk, Phone +4526798011.

Assessment committee:

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