

Press release

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Basic information

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Title of dissertation: POINT-of-CARE ULTRASOUND in the EMERGENCY DEPARTMENT

Date for defence: 07.06.2019 at (time of day): 14.00 Place: Regionshospitalet Herning, Auditoriet (indgang N1, kælderens), Gammel Landevej 61, 7400 Herning.

Press release (Danish)

Point-of-care ultralyd i Akutafdelingen

Point-of-care ultralyd er en samlet betegnelse for ultralydsundersøgelser udført, lige dér hvor patienten befinder sig. Skanningsundersøgelserne er sikre og positive fund kan føre til ændringer i patientbehandlingen. Diagnostisk point-of-care ultralyd kan bruges til hurtig vurdering af hjertet, lungerne og forskellige organer i maven. Lægerne på de danske akutafdelinger oplæres i dette værktøj og der er allerede forsket meget i brug af point-of-care ultralyd, dog mestendels blandt patienter i shock, med vejrtrækningsbesvær, hjertestop, og kritisk syge patienter. Disse patienter udgør kun en lille del af patientgrundlaget i akutafdelingen.

Dette er udgangspunktet for et nyt Ph.d projekt fra Aarhus Universitet, af læge og ph.d.-studerende Jesper Weile fra Akutafdelingen på Hospitalsenheden Vest, Center for Akutforskning, Aarhus Universitetshospital og Institut for Klinisk Medicin på Aarhus Universitet. Ph.d. projektet forsvares den 7. juni klokken 14.00 på Regionshospitalet Herning.

I dette ph.d.-projekt var hypotesen at Point-of-care ultralyd har et uforløst potentiale til gavn for flere patienter end hidtil antaget. Det bl.a. blevet undersøgt, om Point-of-Care ultralyd hos tilfældigt udvalgte patienter i en dansk akutafdeling kunne afsløre fund, der kunne få betydning for behandlingen af patienterne. Det blev også undersøgt, hvor mange patienter, der fik ændret deres plan og behandling, hvis ultralydsskanningerne blev brugt i forlængelse af den indledende udredning og undersøgelse i en akutafdeling. Resultaterne viste, at der skete ændringer i planen og behandlingen af patienterne i op til en sjettedel af alle patienter. De patienter, hvor point-of-care ultralyd havde størst betydning var dem, der kom til akutafdelingen med åndenød, mavesmerter eller besvimelse.

Vejledere

Hans Kirkegaard (hovedvejleder)

Læge, ph.d. DMSc, professor

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Tid og sted
Fredag d. 7. juni kl. 14.00

Regionshospitalet Herning
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Gammel Landevej 61
7400 Herning.

Forsvaret af ph.d.-afhandlingen er offentligt, og alle forskningsinteresserede er velkomne.

Flere oplysninger:
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Press release (English)

POINT-of-CARE ULTRASOUND in the EMERGENCY DEPARTMENT

Point-of-care ultrasound is a joint term for examinations performed at the bedside where ever the patient is. The examinations are safe and positive findings can lead to changes in patient management. Diagnostic Point-of-care ultrasound can be used for evaluation of the heart, lungs and multiple organs in the abdomen. The doctors in the Emergency Department are trained in using Point-of-care ultrasound and much research already exists on the topic. Most research has focused on critically ill patients, patients with dyspnea, trauma, cardiac arrest or shock. These patients are only a small part of the patients seen in the emergency department.

This is the basis of a new Ph.d project from Aarhus University, which will be defended on June 7th by MD, Ph.d. student Jesper Weile from the Emergency Department, Regional Hospital Herning, Research Center for Emergency Medicine, Aarhus University Hospital og Department of Clinical Medicine Aarhus University

In this Ph.d.-project it was hypothesized that Point-of-care ultrasound holds a large unexploited potential. It was investigated which positive findings could be done on unselected patients in the emergency department. It was also investigated how many patients had changes to the management when Point-of-care ultrasound was performed in ammendment to the initial work up in the Emergency Department. The results showed that management was changed in up to one sixth of all patients presenting in the Emergency Department. The patients where Point-of-care ultrasound had the most impact where patients presenting with dyspnea, abdominal pain or syncope.

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Time and place
Friday June 7th at 14.00

Regional Hospital Herning
The Auditorium (Entrance N1, lower level)
Gammel Landevej 61
7400 Herning.

The defence is public and all interested in clinical research are wellcome.

Further information:

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