Press release

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Basic information

Name: Claus Hedebo Bisgaard Email: claus@cesu.au.dk Phone: +45 60144296

Department of: Clinical Medicine

Main supervisor: Sune Leisgaard Mørck Rubak

Title of dissertation: Accelerated Learning in Anesthesiology

Date for defence: 04.09.2018 at (time of day): 1330-16:00 Place: Auditorium J116-113, Aarhus Universitetshospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N.

Press release (Danish)

Accelereret uddannelse i anæstesiologien

Kompetencebaseret medicinsk uddannelse er blevet bredt implementeret, deriblandt i dansk anæstesiologisk videreuddannelse. Kompetencebaseret uddannelse fokuserer på opnåelse af et specifikt færdighedsniveau, hvorimod tiden for opnåelse er variabel. Kompetencebaseret uddannelse indebærer således muligheden for fleksibel og individualiseret uddannelsesvarighed, heriblandt en accelereret, tidlig, færdighedsopnåelse. Tidligere opnåelse af færdighed giver den uddannelsessøgende muligheden for tidligere at bidrage selvstændigt til den kliniske produktion og derved opnå større erfaring og ekspertise. Denne øgede produktionsandel vil kunne frigøre speciallægetid, som i dag er en flaskehals i sundhedsvæsenet. Dette potentiale er dog meget sparsomt undersøgt.

Dette Ph.D.-projekt afsøgte i et interventionsstudie med historiske og samtidige kontroller muligheden for at øge indlæringshastigheden af de basale færdigheder i anæstesiologien. Tidlig færdigheds- og simulationstræning assisterede uddannelseslægerne i opnåelse af kliniske kompetencer indenfor tidlige deadlines, sammenlignet med historiske. Dette øgede og tidlige læringsfokus blev desuden sammenholdt med uddannelseslægernes bidrag til afdelingens kliniske produktion, data opnået fra kliniske produktionsdatabaser.

Studiet bidrager således med ny viden om, hvilket udbytte en tidlig uddannelsesindsats kan forventes at have for afdelingens kliniske arbejde, heriblandt de superviserende speciallægers. Denne viden vil kunne benyttes til at kvalificere debatten omkring det ofte opfattede modsætningsforhold mellem klinisk arbejde og uddannelse i en tid, hvor sundhedsvæsenets ressourcer er under pres.
Studiet er et nyt ph.d.-projekt fra Center for Sundhedsvidenskabelige Uddannelser, CESU, Aarhus Universitet, Health. Projektet er gennemført af Claus Hedebo Bisgaard, der forsvarer det d. 04/09 2018

Forsvaret af ph.d.-projektet er offentligt og finder sted den 04/09 2018 kl. 14.00 i auditorium J 116-113, Aarhus Universitetshospital Nord, Palle Juul-Jensens Boulevard 165, 8210 Aarhus N. Titlen på projektet er ”Accelerated Learning in Anesthesiology”. Yderligere oplysninger: Ph.d.-studerende Claus Hedebo Bisgaard, e-mail: claus@cesu.au.dk, tlf. +45 60144296.

Bedømmelsesudvalg:

Overlæge, Ph.d. Jesper Stentoft
Institut for Klinisk Medicin - Hæmatologisk afdeling R, Aarhus Universitetshospital, Danmark, (chairman and moderator of the defence)

Professor, Ph.d. Fedde Scheele

Obstetrics and Gynaecology especially for Education, VU University Medical Center Amsterdam, Amsterdam, Holland

Professor Doris Østergaard
CAMES, Copenhagen Academy for Medical Education and Simulation, Herlev Hospital, Danmark

Press release (English)
Accelerated Learning in Anesthesiology

Competency-based medical education has been broadly implemented, including in Danish anesthesia training. Competency-based education focuses on the acquisition of a specific skill level whereas the time to achieve this level varies. As such, competency-based medical education implies the possibility for flexible and individualized training duration, among these accelerated, early, skills acquisition. Early skills acquisition grants the opportunity for the trainee to make an earlier contribution to clinical production, thus reaching a greater level of experience and expertise. This enhanced trainee production share could free specialist time, which is a shortage in the current health system. This potential is only sparsely examined.

This Ph.D.-project explored the feasibility of increasing the learning speed for basic anesthesia skills by performing a contemporary and historically controlled intervention study. Early skills and simulation training assisted the anesthesia trainees in acquiring their clinical competencies before deadlines, which were shorter from training initiation than historical data suggested. This enhanced early training focus was further compared to the trainee's contribution to clinical production with data acquired from clinical production databases.

The study thus contributes with new knowledge of the gain from an early educational effort in terms of clinical work, among this the specialist supervisors. This knowledge will add substance to the debate on the often-assumed opposition between clinical work and training in a time at which the health resources are strained.

The defence is public and takes place on 04/09 2018 at 14:00 in auditorium J 116-113, Aarhus Universitetshospital Nord, Palle Juul-Jensens Boulevard 165, 8210 Aarhus N. The title of the project is "Accelerated Learning in Anesthesiology". For more information, please contact PhD student Claus Hedebo Bisgaard, email: claus@cesu.au.dk, Phone +45 60144296.

Assessment committee:

Consultant, Ph.d. Jesper Stentoft
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