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| | | Study subjects | What we know | What to study | How to study | Expected outcome | By whom |
| L.: Programme studies L-b | Investigate | 1. Cognitive impairment | one year after ICU admission, 20-71% of patients have cognitive impairment | Cognitive impairment and interventions that have an impact on cognitive function. | Updated systematic review. | State of the art. | Programme group |
| | | 2. Cognitive rehabilitation | There is a gap in evidence concerning when and how to support cognitive rehabilitation. | ICU patients' rehabilitation pathways and the role of relatives in the process. | Observational case study of patients during the ICU pathway. Interviews with patients, relatives, ICU and primary care staff. | Better understanding of when and how to support the cognitive rehabilitation of former ICU patients and the role of the relatives. | Investigate: Prof. Pia Dreyer (AUH), Hanne Irene Jensen (Lillebælt), Helle Svenningsen (VIA), & Helene Korvenius Nedergaard (Lillebælt), and one PhD student, NN |
| | Develop | 3. Cognitive training | Impairment of cognitive functioning has been detected in 39-91% of patients at hospital discharge | Development of a patient- centred cognitive rehabilitation intervention in the ICU and post-ICU. | Development and feasibility/pilot test. Delphi study. Interviews with patients, relatives, ICU and primary care staff. | Feasibility and acceptability of a cognitive rehabilitation intervention. | Investigate: Anna Holm (AUH), and Helene Korvenius Nedergaard (Lillebælt), and one Master student and one project nurse |
| | | 4. Family caregivers in the ICU and beyond | Relatives are key partners, but also vulnerable through ICU patients' rehabilitation pathway. | Development of a structured support guide for relatives in regard to their support role vis-a-vis cognitive patient rehabilitation in the ICU and beyond. | Develop and feasibility/ pilot test. Interviews with patients, relatives, ICU and primary care staff. | Feasibility and acceptability of structured support guide for relatives participating in the care and rehabilitation of the ICU patient | Investigate: Anne Sophie Ågård (AUH) and Hanne Irene Jensen (Lillebælt) and one Master student and one project nurse |
| | Determine the effect | 5. Overall cognitive rehabilitation programme | Evidence concerning cognitive rehabilitation interventions is sparse. | The effect of a patient- centred cognitive rehabilitation programme. | Multi-centre RCT. Mixed methods: measurements, questionnaires and interviews. Statistical and qualitative analysis. | Primary outcome: Level of cognitive impairment. Secondary outcome: Level of functioning in activities of daily living and quality of life. | Investigate: Prof. Pia Dreyer (AUH), Helle Svenningsen (VIA), & Helene Korvenius Nedergaard (Lillebælt), and one PhD student, NN |
| ומחם די: גו | Implement | 6. Implementation of the cognitive rehabilitation programme | Patients' rehabilitation is random across sectors, both in hospital and after discharge. | The implementation strategy (inpatient and outpatient). | Implementation study where qualitative process evaluation will be the overall guide | A rich in-depth description and meaningful appraisal of the implementation process. A deeper understanding of trial effects. | Investigate: Anna Holm (AUH), and Helene Korvenius Nedergaard (Lillebælt) and one project nurse |