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# Nursing intervention for older patients who are discharged home from Emergency Department

**Submission date**
14/01/2010

**Recruitment status**
No longer recruiting

**Registration date**
17/02/2010

**Overall study status**
Completed

**Last Edited**
17/02/2010

**Condition category**
Other

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] Individual participant data
[ ] Record updated in last year

**Plain English summary of protocol**
Not provided at time of registration

## Contact information

**Type(s)**
Scientific

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## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**
N/A

## Study information

## Scientific Title
Nursing intervention for older patients who are discharged home from Emergency Department: A randomised controlled trial

## Study objectives
The overall aim of the study is to investigate a model for structured nursing assessment and intervention for geriatric patients in the Emergency Department and the following months. The objectives are:
1. To examine the effect of identification of geriatric patients (>70 years) at risk of functional decline and readmission.
2. To examine the effect of nursing assessment and intervention given before discharge from Emergency Department and one and six months after.

## Ethics approval required
Old ethics approval format

## Ethics approval(s)
1. The Ethical Board of The Capital Region of Denmark approved on the 12th of December 2007 (ref: H-D-2007-0110)
2. The Danish Data Protection Agency approved on the 6th of November 2008 (ref: 2008-41-2768)

## Study design
Randomised controlled parallel group trial

## Primary study design
Interventional

## Secondary study design
Randomised controlled trial

## Study setting(s)
Hospital

## Study type(s)
Other

## Participant information sheet
No patient information available in web-format.

## Health condition(s) or problem(s) studied
Geriatric patients; functional decline

## Interventions
Geriatric patients admitted to the Emergency Department are detected using ISAR 1 screening tool. After randomisation and at discharge and one and six months after the geriatric intervention nurse does the experimental intervention that consists of a brief, standardised geriatric nursing assessment using a ten point checklist of physical, mental, medical, and social problems. The focus is on unresolved problems, new or pre-existing, that required medical intervention, new or different home care or other services, or comprehensive geriatric assessment. After this a discharge plan/plan is worked out with relevant referrals to the

outpatient clinic, community care, primary physician or arrangements with next-of-kin. Patients in the control group received the usual Emergency Department services and consultations. They are not referred to the intervention nurse.

### Intervention Type
Other

### Phase
Not Applicable

### Primary outcome measure
1. Readmission to Emergency Department within one and six months, data collected from the Hospitals administrative database.
2. Admission to nursing home within one and six months, data collected from the Hospitals administrative database.
3. Death within one or six months, data collected from the Hospital administrative database.

### Secondary outcome measures
1. Physical functional status at baseline, one, and six months, measured by
1.1. Chairstand test, total number of rise from a chair in 30 seconds (Jones CJ, Rikli RE, Beam WC, 1999)
1.2.Handgrip-strength using a Jamar dynamometer (Bohannon RW, Schaubert KL 2005)
1.3. Avlunds Mobility-Tiredness Scale that counts activities managed without fatigue (Avlund K, Kreiner S, Schultz-Larsen K 1996).
2. Cognitive functional status at baseline, one, and six months, measured by mini-mental status examination that consists of 11 questions, maximum score (best performance)=30 (Folstein MF, Folstein SE, McHugh PR 1975).
3. Mental functional status at baseline, one, and six months, measured by Geriatric Depression Scale (0-1=not depressed,2- 5=risk of depression)(Bull 1988)
4. Health related quality of life at baseline, one, and six months, measured by 12-itim short-form Health Survey (SF 12) (Ware J Jr, Kosinski M, Keller SD 1996).
5. Amount of patients unresolved problems, data collected from intervention nurse records.
6. Amount of help at home from the community, data collected from the community health center utilisation database.

### Overall study start date
16/02/2009

### Completion date
01/08/2011

## Eligibility

### Key inclusion criteria
1. Patients 70 years and older scoring more than 2 points (out of 6) when screened with Identification of Seniors at Risk 1 (ISAR 1) screening tool (McCusker 1998)
2. Discharged home from Medical Emergency Department and residents of Amager, Copenhagen
3. Able to decide on informed consent
4. Able to communicate in Danish

### Participant type(s)

Patient

### Age group
Senior

### Sex
Both

### Target number of participants
300 patients

### Key exclusion criteria
1. Patients admitted to Medical Emergency Department from nursing home
2. Patients already included who are readmitted
3. Spouses to already included patients
4. Patients who do not wish to participate

### Date of first enrolment
16/02/2009

### Date of final enrolment
01/08/2011

## Locations

### Countries of recruitment
Denmark

### Study participating centre
**University Hospital of Amager**
Copenhagen
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## Sponsor information

### Organisation
University Hospital of Amager (Denmark)

### Sponsor details
Italiensvej 1
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**Sponsor type**
Hospital/treatment centre

**Website**
http://www.amagerhospital.dk/

**ROR**
https://ror.org/02g2pz956

# Funder(s)

**Funder type**
Hospital/treatment centre

**Funder Name**
Amager Hospital (Denmark)

**Funder Name**
Danish Nurses Organization (Denmark)

**Funder Name**
The Lundbeck Foundation (Denmark)

**Funder Name**
The Tryg Foundation (Denmark) (ref: J.nr. 1072-09)

**Funder Name**
University of Southern Denmark, Institute of Clinical Research (Denmark) - Research Unit of Nursing

# Results and Publications

**Publication and dissemination plan**
Not provided at time of registration

**Intention to publish date**

## Individual participant data (IPD) sharing plan

### IPD sharing plan summary
Not provided at time of registration