


The Capital Region of Denmark



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## Reports from around the world - Denmark

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## Operation Life

In Denmark

- A Danish counterpart of the 100K lives campaign
- Launched by the Danish Society for Patient Safety on the 16th April
- Goal: to save 3000 lives in 18 months
- All 5 Health Care regions in Denmark participate
- Interventions have been evaluated and adjusted by Danish experts
- Xx hospitals have already signed up

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## Operation Life

- Rapid Response Systems - deployment
- Acute myocardial infarction – bundle implementation
- Catheter related infections - prevention
- Medication reconciliation
- Ventilator associated pneumonia – bundle implementation
- Surviving Sepsis Campaign - bundles implementation

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### Initiatives in the Capital Region

• A regional RRS task force sharing:


- Calling criteria
- Educational material
- Data and Experiences
- A web site [www.akut-team.dk](http://www.akut-team.dk)
- Research



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Conference on Rapid Response System implementation in Denmark  
Herlev Hospital,  
March 22nd and 23rd, 2007

- Key topics:
  - Data sampling
  - Establishing the system
  - Education
  - Barriers




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**Initiatives in the Capital Region**

- "The Medical Trauma Team" at Bispebjerg Hospital
  - Calling criteria are used in the emergency department
- The Rapid Response Team at Hvidovre Hospital
  - Since March 2007 in the surgical centre
- The Medical Emergency Team at Gentofte Hospital
  - Pilot project from June 2007

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**Focus on the critically ill patient**

- At : Herlev Hospital
  - A ph.d on educational intervention at the Danish Institute for Medical Simulation
  - Datasampling before ICU admission
  - Datasampling before cardiac arrest
  - A ph.d on team training of the cardiac arrest team
- Implementation of an educational plan for the treatment of cardiac arrest

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**"The critically ill patient"**  
a ph.d project (Lone Fuhrmann, MD, BSc)

**Purpose**  
To investigate the staffs' identification of patients with physiological signs of critical illness before and after an educational intervention.

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**The educational intervention**

- Key persons identified on the wards (2 nurses, 2 doctors) spending three days at the Danish Institute for Medical Simulation
  - Course development
  - Instructor education

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**The educational intervention**

- ALL staff is trained
- A full day course including:
  - Miniature on calling criteria
  - Session on team skills
  - 2 full scale simulations, followed by debriefing
  - Case based session
  - Short practical skills session

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**Continued organisational process**

- Key persons in the wards
- Focus on the critically ill patients –feature days
- New guidelines and observation charts
- Culture change
- Continued education of new staff

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**Ongoing and future projects at Herlev:**

- Datasampling from the ICU
  - 50 patients 48 hours before ICU admission
  - Nurses and doctor's attitudes toward MET/RRT
  - Ongoing datasampling
- Datasampling from Cardiac arrests
  - 50 patients 24 hours before cardiac arrest
  - Ongoing datasampling
- Information loss at patient transfer

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**A ph.d on team training of the cardiac arrest team (Peter Oluf Andersen, M.D.)**

- Development and validation of a check list on team skills
- Education of course facilitators
- Development and implementation of a 1-day course
- Before and after study using clinical data

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**Conclusion:**

- Focus is on patient safety and especially on
  - The critically ill patients
  - Many diverse initiatives, including "Operation Life"
  - Creation of a RRS task force
  - A unique opportunity for collaboration and research