The ICU patient room as a healing environment – a research program based on evidence-based design.

Berit Lindahl, CCRN, RNT, PhD, Borås University

- Ingegerd Bergbom, professor at Gothenburg University
- Three Doctoral Students & three senior lecturers

A research program in co-operation with:
Occupational and Environmental Medicine,
Architecture at Chalmers University of Technology, Gothenburg & Companies within health care sector & representatives from Clinical practice

svenssonsmarkspelle

Ecophon
An intervention study in clinical practice - in an ICU

- Planning during the years 2008-09,
- Literature review,
- Applications/research grants,
- Project group

- Refurbishment of a patient room took place during spring 2010.
- Based on a careful co-operation between scholars, ICU staffs, architects, designers and representatives from health care technology
Our point of departure
a pilot project

- Sound measurements
- Data collection from surveillance system and nursing records
- Structured observations via a protocol “early signs of the ICU syndrome” (Granberg-Axell, Bergbom & Lundberg, 2001).
- Patients interviews after ICU discharge
ICU - a caring or an objectifying environment?
Evidence-based design

- Sound
- Light
- Shape, colours
- Interior decoration
- Design
- View to nature

Inspirations from scholars:
Ulrich, (2001 & 2006),
Rashid, (2007),

Control room ICU
A sustainable environment?
Place and space and exterior/cover surface

Sound absorbents

Plain ceiling without lamps

New flooring

Cold white colour

A contrasted wall

Study room
ICU - a healing environment?

- Circadian light system
- Balanced shape
Patients' views
Patients' views to nature
Thank you for your attention!

Berit.lindahl@hb.se

Borås University and School of Health Sciences