Nursing environment and sleep in Intensive Care Unit patients.

No registrations found.

Ethical review	Not applicable
Status	Pending
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON22316

Source
NTR

Brief title
N/A

Health condition

Sleep in the Intensive Care Unit
Polysomnography
nursing enviroment

Sponsors and support

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Source(s) of monetary or material Support: Not applicable

Intervention

Outcome measures

Primary outcome

Sleep quality/quantity as measured with polysomnography.

Secondary outcome

Subjective sleep perception (questoinnaire).

Study description

Background summary

Sleep disruption in the Intensive Care Unit (ICU) seems to be associated with an increase in morbidity and mortality. Most patients have difficulties sleeping in the ICU due to the continuous light and sound of other patients and the care-workers. In 2010 the University Medical Center Utrecht (UMCU) will open a completely new ICU in which all patients are nursed in single rooms, in contrast to the existing situation were patients are nursed on large, common wards. With the use of polysomnography we will compare the sleep quality and quantity of patients in relation to nursing environment.

Study objective

Sleep (quality and quantity) is beter in ICU patients when they are nursed in a single room compared to nursing in a 'open' ICU.

Study design

1. First questionnaire one week pre-surgery;

2. Polysomnography 24 hours post-surgery;

3. Second questionnaire 72 hours post-surgery.

Intervention

Change of nursing enviroment:

1. Multi patient, 'open' ICU;

2. Single room ICU.

Contacts

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Eligibility criteria

Inclusion criteria

1. Cardio-sugrical patients presenting in the pre-surgical out-patients clinic;

2. Informed consent.

Exclusion criteria

1. Severe sleeping disorders at baseline;

2. Alcohol abuse at baseline;

3. Chronic benzodiazepine at baseline;

4. Any cerebral complication during surgery or post-surgery, including delirium, stroke and an epileptic insult.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Crossover
Allocation:	Non-randomized controlled trial
Masking:	Single blinded (masking used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-09-2009
Enrollment:	20
Type:	Anticipated

Ethics review

Not applicable

Application type:	Not applicable

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL1803
NTR-old	NTR1913
Other	: Sleep in ICU
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results
N/A