

Trial Description

Title

Effects of an electronic checklist as a teaching-tool for novices to learn structured and safe general anaesthesia induction

Trial Acronym

TeachCheck

URL of the trial

[---]*

Brief Summary in Lay Language

We hypothesize that using a structured electronic checklist as a teaching-tool ("TeachCheck") for novices will have a lasting effect on the safety relevant behaviour during general anaesthesia induction. In the first weeks of the anaesthesia residency program the intervention-group uses "TeachCheck" additionally during 75 inductions of general anaesthesia. The control-group gets a conventional initial training containing instruction and supervision during every induction of anaesthesia by faculty members. At the end of the initial training as well as four and eight weeks later we record two inductions and evaluate the number of safety relevant items, team performance and duration of the procedure.

Brief Summary in Scientific Language

We hypothesize that using a structured electronic checklist as a teaching-tool ("TeachCheck") for novices will have a lasting effect on the safety relevant behaviour during general anaesthesia induction. In the first weeks of the anaesthesia residency program the intervention-group uses "TeachCheck" additionally during 75 inductions of general anaesthesia. The control-group gets a conventional initial training containing instruction and supervision during every induction of anaesthesia by faculty members. At the end of the initial training as well as four and eight weeks later we record two inductions and evaluate the number of safety relevant items, team performance and duration of the procedure.

Organizational Data

- DRKS-ID: **DRKS00004922**
- Date of Registration in DRKS: **2013/04/24**
- Date of Registration in Partner Registry or other Primary Registry: [---]*
- Investigator Sponsored/Initiated Trial (IST/IIT): **yes**
- Ethics Approval/Approval of the Ethics Committee: **Approved**



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Ethics Approval/Approval of the Ethics Committee: **Approved**

- (leading) Ethics Committee Nr.: **PV4352 , Ethik-Kommission der Ärztekammer Hamburg**

Secondary IDs

Health condition or Problem studied

- Free text: **induction of general anaesthesia**

Interventions/Observational Groups

- Arm 1: **The control-group gets a conventional initial training containing instruction and supervision during 75 inductions of anaesthesia by faculty members.**
- Arm 2: **In the first weeks of the anaesthesia residency program the intervention-group uses "TeachCheck" additionally during 75 inductions of general anaesthesia.**

Characteristics

- Study Type: **Interventional**
- Study Type Non-Interventional: [---]*
- Allocation: **Randomized controlled trial**
- Blinding: [---]*
- Who is blinded: **assessor**
- Control: **Active control**
- Purpose: **Other**
- Assignment: **Parallel**
- Phase: **N/A**
- Off-label use (Zulassungsüberschreitende Anwendung eines Arzneimittels): **N/A**

Primary Outcome

number of safety relevant items performed by residents during recorded general anaesthesia inductions at the end of the initial training

Secondary Outcome

- **team performance during induction at the end of the initial training, four and eight weeks later**
- **duration of general anaesthesia induction at the end of the initial training, four and eight weeks later**
- **safety relevant items four and eight weeks later**

Countries of recruitment

- **DE Germany**

Locations of Recruitment

- University Medical Center **Klinik und Poliklinik für Anästhesiologie, UKE, Hamburg**
- University Medical Center **Klinik für Anästhesiologie, Charité, CBF, Berlin**
- Medical Center **Abteilung für Anästhesie, St. Gertrauden KH, Berlin**

Recruitment

- Planned/Actual: **Actual**
- (Anticipated or Actual) Date of First Enrollment: **2013/07/01**
- Target Sample Size: **20**
- Monocenter/Multicenter trial: **Multicenter trial**
- National/International: **National**

Inclusion Criteria

- Gender: **Both, male and female**
- Minimum Age: **18 Years**
- Maximum Age: **no maximum age**

Additional Inclusion Criteria

novices in anaesthesia, written consent



Exclusion criteria

> **one month of residency training in anaesthesia**

Addresses

■ Primary Sponsor

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■ Collaborator, Other Address

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Sources of Monetary or Material Support

■ **Institutional budget, no external funding (budget of sponsor/PI)**

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URL: [---]*

Status

■ Recruitment Status: **Recruiting ongoing**

■ Study Closing (LPLV): [---]*

Trial Publications, Results and other documents

* This entry means the parameter is not applicable or has not been set.

*** This entry means that data is not displayed due to insufficient data privacy clearing.