

PLEASE NOTE: *This trial has been registered retrospectively.*

Trial Description

Title

Comparison of techniques of oral hygiene - a multidisciplinary randomised study on training of oral hygiene skills

Trial Acronym

MHV_II

URL of the trial

[---]*

Brief Summary in Lay Language

The study is conceptualized as experimental basic research. A random sample of inhabitants of Giessen born in 1992 were invited to participate. The study compares the effectiveness of computerpresentations aiming to train different oral hygiene techniques. The study tests the hypothesis that a training on a hygiene technique will improve oral hygiene skills and thereby habitual oral hygiene as well which will result in a reduction of gingivitis. Further the study tests the hypothesis that differing hygiene techniques differ with respect to the extent of oral hygiene skills and habitual hygiene achieved.

Brief Summary in Scientific Language

Analyses the effectiveness of differing computerbased trainings to improve oral hygiene skills in a representative sample of 18-19 year old inhabitants of Gießen, Germany

Organizational Data

- DRKS-ID: **DRKS00003512**
- Date of Registration in DRKS: **2012/01/25**
- 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**
- (leading) Ethics Committee Nr.: **172/10 , Ethik-Kommission des Fachbereichs Medizin der Justus-Liebig-Universität Gießen**



Secondary IDs

Health condition or Problem studied

- Free text: **Oral hygiene**
- ICD10: **K03.6 - Deposits [accretions] on teeth**
- ICD10: **K05.1 - Chronic gingivitis**

Interventions/Observational Groups

- Arm 1: **Computerpresentation: Basics of oral hygiene: Sties to be cleaned and by which means they can be reached (tooth brush, tooth floss). Pressure which should be applied while brushing and systematics of tooth brushing.**
- Arm 2: **Computerpresentation: Basics of oral hygiene plus modified Bass techniques**
- Arm 3: **Computerpresentation: Basics of oral hygiene plus Fones techniques**

Characteristics

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

Primary Outcome

Oral Hygiene skills assessed via plaque after thorough oral hygiene via marginal plaque index, 6, 12 and 28 weeks after intervention

Secondary Outcome

Gingivitis assessed via Bleeding on Probing, assessed 6, 12 and 28 weeks after Intervention; oral hygiene behavior assessed via video analysis after 28 weeks

Countries of recruitment

- **DE Germany**

Locations of Recruitment

- other **Universität Gießen, Gießen**

Recruitment

- Planned/Actual: **Actual**
- (Anticipated or Actual) Date of First Enrollment: **2011/04/13**
- Target Sample Size: **120**
- Monocenter/Multicenter trial: **Monocenter trial**
- National/International: **National**

Inclusion Criteria

- Gender: **Both, male and female**
- Minimum Age: **18 Years**
- Maximum Age: **19 Years**

Additional Inclusion Criteria

Born in 1992; living in the City of Gießen, Germany

Exclusion criteria

Less than 20 own teeth; pacemaker

Addresses

- **Primary Sponsor**

**Institut für Medizinische Psychologie
Fachbereich 11 - Medizin
Justus-Liebig-Universität Gießen
Ms. Prof. Dr. Renate Deinzer
Friedrichstr. 36**

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**Institut für Medizinische Psychologie
Fachbereich 11 - Medizin
Justus-Liebig-Universität Gießen
Ms. Prof. Dr. Renate Deinzer
Friedrichstr. 36
35392 Gießen
Germany**

Telephone: **+49 641 99 45681**

Fax: **+49 641 99 45689**

E-mail: **renate.deinzer at psycho.med.uni-giessen.de**

URL: [---]*

■ **Contact for Scientific Queries**

**Institut für Medizinische Psychologie
Fachbereich 11 - Medizin
Justus-Liebig-Universität Gießen
Ms. Prof. Dr. Renate Deinzer
Friedrichstr. 36
35392 Gießen
Germany**

Telephone: **+49 641 99 45681**

Fax: **+49 641 99 45689**

E-mail: **renate.deinzer at psycho.med.uni-giessen.de**

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■ **Contact for Public Queries**

**Institut für Medizinische Psychologie
Fachbereich 11 - Medizin
Justus-Liebig-Universität Gießen
Ms. Prof. Dr. Renate Deinzer
Friedrichstr. 36
35392 Gießen
Germany**

Telephone: **+49 641 99 45681**

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Sources of Monetary or Material Support

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

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Status

- Recruitment Status: **Recruiting complete, follow-up complete**
- Study Closing (LPLV): **2012/05/04**

Trial Publications, Results and other documents

- Paper **Harnacke, D., Stein, K., Stein, P., Margraf-Stiksrud, J., Deinzer, R.: Training in different brushing techniques in relation to efficacy of oral hygiene in young adults: a randomized controlled trial. In: Journal of Clinical Periodontology, 43(1), S. 46-52, 2016**

* 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.