

Trial Description

Title

Manual examination of the greater occipital nerve in subjects with side-dominant headache and neck pain

Trial Acronym

[---]*

URL of the trial

[---]*

Brief Summary in Lay Language

It's unclear to what extent dysfunction of the occipital nerves has got influence on headaches. Eventough the manual examination of these nerves is recommended in cases of cervical spine related headaches and known as a potential origin of pain. Hence this study is supposed to examine if patients with cervical spine related headaches show more findings in this area than healthy controls.

Brief Summary in Scientific Language

The influence of dysfunction of the peripheral nerves of cervicogenic headaches is discussed controversially. Frequently recommended manual examination techniques in regard to cervicogenic headaches are among others pressure mechanosensitivity and neurodynamics of the greater occipital nerve. The aim of this study is to varify if patients with cervicogenic headaches statistically show significantly more dysfunction of these nerves than healthy controls.

Organizational Data

- DRKS-ID: **DRKS00010163**
- Date of Registration in DRKS: **2016/04/01**
- 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.: **WISO_MA_ELP_SS16_2/2 , Osnabrück - Ethik-Komission der Hochschule Osnabrück**

Secondary IDs

Health condition or Problem studied

- ICD10: **G43 - Migraine**
- Other: **IHS-Classification: Zervikogener Kopfschmerz 11.2.1**

Interventions/Observational Groups

- Arm 1: **Physiotherapeutic examination of healthy controls**
- Arm 2: **Physiotherapeutic examination of patients with side-dominant head and neck pain**

Characteristics

- Study Type: **Non-interventional**
- Study Type Non-Interventional: **Other**
- Allocation: **Non-randomized controlled trial**
- Blinding: **[---]***
- Who is blinded: **investigator/therapist**
- Control: **Other**
- Purpose: **Diagnostic**
- Assignment: **Parallel**
- Phase: **N/A**
- Off-label use (Zulassungsüberschreitende Anwendung eines Arzneimittels): **N/A**

Primary Outcome

Pressure mechanosensitivity of the greater occipital nerves through a mechanical pressure pain threshold device at the occiput region; neurodynamics of the greater occipital nerves through the occipital longisitting slump; flexion rotation test; active range of motion of the cervical spine; passive accessory intervertebral movements of the cervical spine;

Secondary Outcome

questionnaires (single measurement):
-MIDAS (Migraine associated disability)
-NDI (Neck pain associated disability)
-PHQ9 (Depression)
-JPF (functional temporomandibular disorders)
-CPGS (chronic pain)
-personal data (age, sex , BMI , headache history, frequency , intensity, duration)

Countries of recruitment

- DE **Germany**

Locations of Recruitment

- Doctor's Practice **Hamburg**

Recruitment

- Planned/Actual: **Actual**
- (Anticipated or Actual) Date of First Enrollment: **2016/04/20**
- Target Sample Size: **76**
- Monocenter/Multicenter trial: **Monocenter trial**
- National/International: **National**

Inclusion Criteria

- Gender: **Both, male and female**
- Minimum Age: **18 Years**
- Maximum Age: **70 Years**

Additional Inclusion Criteria

Cervicogenic headache criteria of cervicogenic Headache International Study Group's (CHISG), International Classification of International Classification of Headache Disorders 3rd edition (ICHD-3) for episodic and chronic migraine

Exclusion criteria

relevant diagnosed cervical pathologies (for example, herniated disc) , cervical trauma (for example, whiplash) within the last two years, rheumatoid disease, psychiatric disorders or other diseases/pathologies that may be a contraindication to manual examination

Addresses

- **Primary Sponsor**
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Sources of Monetary or Material Support

■ **Private sponsorship (foundations, study societies, etc.)**

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E-mail: [---]*

URL: [---]*

Status

- Recruitment Status: **Recruiting complete, follow-up complete**
- Study Closing (LPLV): **2017/05/15**

Trial Publications, Results and other documents

- Paper **Increased mechanosensitivity of the greater occipital nerve in subjects with side-dominant head and neck pain - a diagnostic case-control study (doi: 10.1080/10669817.2018.1480912)**

* 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.