Different trajectories for people with acute neck pain: associations with biological, psychosocial and treatment-related factors.

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Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON29268

Bron
NTR

Verkorte titel
TAP

Aandoening

Acute non-specific neck pain

Ondersteuning

Primaire sponsor: None
Overige ondersteuning: 1) Vu University Amsterdam; 2) Dutch Association for Manual Therapy

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Latent trajectories whereby participants will be categorized based on their 2-, 4-, 6- weeks and 3-, 6- months NPRS and NDI score.

Toelichting onderzoek

Achtergrond van het onderzoek

Preventing persistence of non-specific neck pain will help to reduce the total burden of neck pain. Acute neck pain can be considered as a complex condition and several biological- and psychosocial factors interact bi-directionally and affect recovery. Currently, we are unable to predict who will recover and detailed information about the clinical course of people with acute neck pain is lacking. Recent insights show that the level of systemic inflammation and various psychosocial factors differ between recovered and non-recovered patients. Since the clinical course of people with acute neck pain is heterogeneous, it is important to identify different trajectories, and explore which biological-, psychosocial and treatment related factors are associated with recovery, and are different compared to non-recovery.

Doel van het onderzoek

We hypothesize that there will be different trajectories related to recovery in acute neck pain patients and that several biological, psychosocial and treatment related factors are associated with distinct trajectories. We hypothesize that the recovery trajectory will be associated with an early robust inflammatory response with intact cortisol awakening response (CAR). The non-recovery trajectory will be associated with ongoing inflammatory responses, a reduced CAR and more psychosocial discomfort compared to the recovery trajectory. In the current study we will use advances in biomedical and psychosocial assessment techniques to explore a range of characteristics from patients with acute neck pain. This exploratory study builds further on very recent developments within pain science and can lead to a subsequent study with more participants.

Onderzoeksopzet

All inflammatory markers, clinical characteristics and psychosocial assessments will be performed at baseline (T0), two weeks evaluation (T1), four weeks evaluation (T2), six weeks evaluation (T3), three months evaluation (T4) and six months evaluation (T5).

Onderzoeksproduct en/of interventie

Participants will not receive any treatment in the context of the present study. However, they

are free to consume usual care conservative treatment such as physiotherapy or general practitioner care or self care. The number and modality of treatments will be recorded. We are interested in the different trajectories in the clinical course of people with neck pain. If the patients fits the inclusion/exclusion criteria the participant is eligible with or without treatment.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Non-specific neck pain patients will be eligible for participation if they are: 1) at least 18 years old, 2) within 2 weeks of onset of an acute neck pain episode, 3) lasting for >24h, 4) having sufficient knowledge of the Dutch language.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

A potential participant who meets any of the following criteria will be excluded from participation in this study:
• Pregnancy or postpartum for not more than 9 months or those who give breastfeeding;
• Contra-indications for venipuncture (e.g. phlebitis);
• Taking one of the following medications during the last 6 weeks: corticosteroids (e.g.

prednisone), immunomodulatory medication (e.g. methotrexate, infliximab) and the use of botox for the last 3 months;
• Current participation in another clinical trial;
• Having a medical disease with immune system involvement (e.g. MS, Spondylitis Ankylpoetica).

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Toewijzing:	N.v.t. / één studie arm
Blindering:	Dubbelblind
Controle:	N.v.t. / onbekend

Deelname

Nederland

Status:	Werving nog niet gestart
(Verwachte) startdatum:	25-10-2020
Aantal proefpersonen:	50
Type:	Verwachte startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nog niet bepaald

Ethische beoordeling

Niet van toepassing

Soort:	Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL8892
Ander register	METC Brabant : Not yet received.

Resultaten