SCS in Itch

No registrations found.

Ethical review	Positive opinion
Status	Pending
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON23833

Source
NTR

Brief title
SCS in Itch

Health condition

Not applicable

Sponsors and support

Primary sponsor: Erasmus University Medical Centre
Source(s) of monetary or material Support: None

Intervention

Outcome measures

Primary outcome

VAS for itch.

Secondary outcome

Size of flare, character and constancy of itch.

Study description

Background summary

Electrical neuromodulation therapies such as transcutaneous electrical nerve stimulation (TENS), spinal cord stimulation (SCS) and dorsal root ganglion stimulation (DRGS) have earned their place in the treatment of neuropathic pain and are commonly used as a last resort treatment for neuropathic pain. Though it is known that pain and itch are neurologically related phenomena, electrical neuromodulation is far less used in the treatment of itch. Nonetheless, there is evidence that modes of electrical neuromodulation such as TENS are useful in the treatment of itch. We therefore aim to determine whether SCS and/or DRGS can influence the perception of experimentally induced itch.

Study objective

SCS and/or DRGS alleviates histamine induced itch.

Study design

Baseline, 15 minutes after histamine application and 1, 5, 10, 15, and 30 minutes after switching on SCS or DRGS.

Intervention

Percutaneous administration of a drop of histamine solution to an area innervated by the SCS or DRGS and simultaneous administration of a drop of histamine solution to an area not innervated by the SCS or DRGS.

Contacts

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Eligibility criteria

Inclusion criteria

Good effect of SCS or DRGS; the area innervated by the SCS or DRGS must extend to a healthy, pain free area of skin; participants must not have objections against switching off his or her SCS or DRGS for up to one hour; age >= 18 years; no ongoing itch perception.

Exclusion criteria

Generalized skin disorder; systemic disease associated with pruritus; complex regional pain syndrome; allergy or hypersensitivity; contra-indications for histamine administration; use of opioids; use of drugs that might potentially prevent the development of a flare.

Study design

Design

Study type:	Interventional
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-06-2020
Enrollment:	12
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Plan description
Not applicable

Ethics review

Positive opinion

Date:	08-05-2020
Application type:	First submission

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	NL8591
Other	METC Erasmus MC : MEC-2020-0241

Study results

Summary results
None