

Liking of e-liquid odors

No registrations found.

Ethical review	Positive opinion
Status	Pending
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON26740

Source

Nationaal Trial Register

Brief title

Smell-e 2

Health condition

E-cigarettes, e-liquids, e-liquid odors

Sponsors and support

Primary sponsor: Wageningen University

Source(s) of monetary or material Support: Dutch Ministry of Health, Welfare and Sports

Intervention

Outcome measures

Primary outcome

Mean ratings for liking of the e-liquid odors obtained using a 9-point labeled hedonic scale

Secondary outcome

Behavioral measures of odor perception (perceived intensity, familiarity, irritation, perceived sweetness, and perceived bitterness) obtained using a continuous 100-unit visual analogue scale, and descriptive measures of smoking and vaping history.

Study description

Background summary

Whereas smoking burns tobacco, the use of an e-cigarette (vaping) only heats e-liquids. Therefore, an e-cigarette is considered a potentially less harmful alternative for smoking. E-liquids consist of a base liquid with flavorings and may contain nicotine. E-liquids are available in a high variety of flavors, which increase sensory appeal. As e-cigarettes are not safe, governments aim to prevent youth and non-smokers from initiating e-cigarette use. In order to regulate flavors in a way that they are attractive to (adult) tobacco smokers but not attractive to youth non-smokers, sensory research on the liking of different e-liquid flavors among different consumer groups is needed. Therefore, this study aims to investigate differences in hedonic assessment of different e-liquid odors between adult smokers, young adult non-smokers, and youth non-smokers by smelling (i.e., not vaping nor inhaling).

Study objective

We expect differences in hedonic assessment of different e-liquid odors between the three groups, in a way that liking ratings for sweet e-liquid odors may be higher among non-smoking youth and young adults than smoking adults, and for non-sweet e-liquid odors vice versa.

Study design

Participants will fill out an online questionnaire of approximately 15 minutes to determine eligibility. Participants will assess the odors during 2 test sessions of both 1 hour. Data will be collected using EyeQuestion software. Liking will be assessed using a 9-point labeled hedonic scale; the other attributes will be assessed using a continuous 100-unit visual analogue scale.

Intervention

Participants will smell 30 e-liquids (approximately 10 drops dissolved in 1 mL of demi water) with different flavors.

Contacts

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Eligibility criteria

Inclusion criteria

- Be an adult cigarette smoker (aged 20-55), young adult non-smoker (aged 20-25), or youth non-smoker (aged 16-17)
- Be susceptible to e-cigarette use
- Good proficiency of the Dutch language (self-report)
- Generally healthy (self-report)

Exclusion criteria

- For women: lactating or being pregnant
- Having olfactory deficiencies (self-report)
- Being a regular e-cigarette user (daily, weekly, or monthly)
- Be employed by the Division of Human Nutrition and Health of Wageningen University or doing an MSc internship/writing a thesis at the Sensory Science and Eating Behavior chair group within the Division of Human Nutrition and Health of Wageningen University
- Participation in another medical-scientific study (except for EetMeetWeet)

Study design

Design

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	05-02-2020
Enrollment:	216
Type:	Anticipated

IPD sharing statement

Plan to share IPD: No

Plan description

Not applicable

Ethics review

Positive opinion	
Date:	28-01-2020
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	NL8333
Other	METC WUR : METC 19/27

Study results

Summary results

Not applicable