

AGEPSA - Case-Control Study on Sweetness Preference in Alcohol Dependence

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General

Identification

Detailed name Case-Control Study on Sweetness Preference in Alcohol Dependence

Sign or acronym AGEPSA

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CNIL no. 912447/CCTIRS Ref. 12.005

General Aspects

Medical area Endocrinology and metabolism
Psychology and psychiatry

Health determinants Addictions
Genetic
Social and psychosocial factors

Keywords preference, sweet, sugar, endophenotype, case-control, matching, precocity, impulsiveness, hedonic response, alcohol dependence, severity, family history, sensation, vulnerability

Scientific investigator(s) (Contact)

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Organization	Centre Hospitalier Saint
Collaborations	
Funding	
Funding status	Public
Details	INSERM, Sainte Anne HC
Governance of the database	
Sponsor(s) or organisation(s) responsible	Centre Hospitalier Saint Anne
Organisation status	Public
Sponsor(s) or organisation(s) responsible	INSERM
Organisation status	Public
Additional contact	
Main features	
Type of database	
Type of database	Study databases
Study databases (details)	Case control study
Database recruitment is carried out by an intermediary	A selection of health institutions and services
Database recruitment is carried out as part of an interventional study	No
Additional information regarding	Patients were recruited across three consultation

sample selection.

and hospital centres: - CMME Alcohol Dependence Unit, Sainte Anne Hospital Centre (75014, Paris) - Corentin Celtin Hospital Centre Psychiatric Department (92139 Issy-les-Moulineaux), - Louis Mourier UHC Addiction Unit (92700 Colombes). A gift certificate for 30 Euro was paid to control subjects and related parties to facilitate recruitment.

Database objective

Main objective

The main objective is to investigate the endophenotypic nature of sweet-liking in alcohol-dependence and to verify that the preference for sweetness is more common in subjects that are first-degree relatives of alcohol-dependent subjects than in control subjects.

Secondary objectives include: studying specific clinical (precocity, severity), family (family history), temperamental (sensation seeking, impulsiveness) and cognitive traits (measurement of visual hedonic response, IGT decision-making tasks) in alcohol-dependent subjects that prefer the sweetest solutions; investigating the mechanisms involved in this endophenotypic connection and testing the following hypotheses:

- Either the preference for the sweetest solutions is secondary to alcohol dependence;
- Either the preference for sweetness is a marker of vulnerability to alcohol-dependence (sweetness preference would be a marker of an alcoholic sub-type associated with a higher genetic vulnerability that is close to Cloninger's clinical type 2 classification).

Inclusion criteria

- Individuals aged between 18 and 65 years old;
- Alcohol-dependent* patients that have been weaned for at least a week (according to DSM-IV criteria);
- Control subjects exposed to alcohol consumption but who do not fulfil dependence criteria*;
- Individuals that are first-degree relatives of an alcohol-dependent person with no personal dependence criterion*.

Exclusion criteria:

- Individuals with an eating disorder, body mass index lower than 18 or greater than 30, or diabetes.

Population type

Age

Adulthood (19 to 24 years)
Adulthood (25 to 44 years)
Adulthood (45 to 64 years)

Population covered	Sick population
Gender	Male Woman
Geography area	Local
French regions covered by the database	Île-de-France
Detail of the geography area	Sainte Anne Hospital Centre (75014 Paris), Corentin Celton Hospital Centre (92130 Issy-les-Moulineaux), Louis Mourier UHC (92700 Colombes).
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	2011
Size of the database	
Size of the database (number of individuals)	[500-1000[individuals
Details of the number of individuals	500 (300 patients/cases, 100 controls and 100 relations/controls).
Data	
Database activity	Current data collection
Type of data collected	Clinical data
Clinical data (detail)	Medical registration
Details of collected clinical data	- The hedonic response to sweetness is measured using the Sweet Taste Test. Subjects are offered six sweet solutions of varying concentrations (between 0 and 0.84 M). The subjects were asked to evaluate the sugar concentration of each solution and the pleasure experienced using visual analogue scales. "Sweet Score" determination. The assessment is supplemented by several clinical and neurocognitive tests, including: - a computer-based, visual hedonic response test to rate the level of pleasure experienced with a series of standardised pictures of various pleasant landscapes; - The Barratt Impulsiveness Scale (BIS-11), a self-administered questionnaire that assesses impulsiveness according to three factors: motor impulsiveness,

cognitive impulsiveness and planning difficulty; - Hospital Anxiety and Depression Scale (HAD), self-assessment questionnaire measuring anxiety and mood at the time of the assessment (Zigmond et al., 1983).

Presence of a biobank No

Health parameters studied Others

Other (detail) Dependence, preferences.

Procedures

Participant monitoring No

Links to administrative sources No

Promotion and access

Promotion

Link to the document <http://www.ireb.com/sites/default/files/Cahiers%2021.pdf>

Access

Terms of data access (charter for data provision, format of data, availability delay) Through publications. Contact the scientist in charge for further information.

Access to aggregated data Access on specific project only

Access to individual data Access on specific project only