Trial of tyrosine and its effect on working memory in healthy elderly and young people

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Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON23338

Bron
NTR

Verkorte titel
DoReTy

Aandoening

plasma tyrosine levels, working memory performance

Ondersteuning

Primaire sponsor: Wageningen University
Overige ondersteuning: EFRO (Europees Fonds voor Regionale Ontwikkeling)

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Tyrosine plasma concentrations at T0, T90, T120, T150, T180, T210 and T240 at doses of 100 mg/kg body weight (elderly), 150/kg body weight mg (young and elderly) and 200 mg/kg body weight (elderly)

Toelichting onderzoek

Onderzoeksopzet

T0, T90, T120, T150, T180, T210 and T240

Onderzoeksproduct en/of interventie

100, 150 and 200 mg/kg body weight of tyrosine

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

• Aged 18-35 years or aged 60-75 years

• Normal and stable weight (BMI 18.5-25 kg/m2 and weight 50-95 kg)

• Willing to abstain from blood donation during the study

• Willing to comply with study procedures

• Willing to accept use of all encoded data, including publication, and the confidential use and storage of all data for at least 15 years.

• Dutch-speaking

• Non-smoking

• Normal or corrected-to-normal vision

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

• Thyroid problems, such as hyperthyroidism, hypothyroidism, thyroid cancer

• Using medication that can interfere with tyrosine’s action; monoamine oxidase inhibitors and other antidepressants, sympathomimetic amines, and opioids

• Following a low-protein diet as prescribed by a dietician or physician

• Intestinal problems that affect nutrient absorption (such as coeliac disease)

• Parkinson’s Disease

• Depression

• Use of tyrosine supplements

• Being allergic or having a dislike to the product carrier (banana-flavored yoghurt)

• Bad venous access, as judged by the research nurse

• Personnel of Wageningen UR, Division of Human Nutrition, their partner and their first and second degree relatives

• Current participation in other scientific research

• Mini Mental State Examination (MMSE) score < 24 (to exclude cognitive impaired participants, only for elderly participants)

• Estimated IQ <85 (based on Nederlandse Leestest voor Volwassenen (NLV) -score)

• (History of) clinically significant psychiatric disorder

• (History of) clinically significant neurological disorder, such as brain infarct, chronic migraine, major depression

• Under treatment for cardiac or vascular diseases and use of medication for these conditions

• General medical conditions, such as repetitive strain injury (RSI) or sensori-motor handicaps, as judged by the investigator

• Alcohol consumption of more than 14 (women) or 21 (men) units per week

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Cross-over
Toewijzing:	Gerandomiseerd
Blindering:	Dubbelblind
Controle:	N.v.t. / onbekend

Deelname

Nederland

Status:	Werving gestopt
(Verwachte) startdatum:	09-10-2014
Aantal proefpersonen:	34
Type:	Werkelijke startdatum

Ethische beoordeling

Positief advies

Datum:	09-10-2014
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 41127
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL4417
NTR-old	NTR4846
CCMO	NL49893.081.14
OMON	NL-OMON41127

Resultaten