

Fruit juice, fruit and type 2 diabetes

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Ethische beoordeling	Positief advies
Status	Werving gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON21161

Bron

NTR

Aandoening

Pure fruit juice, fruit, Diabetes Mellitus Type 2, EPIC-NL, prospective cohort study.

Ondersteuning

Primaire sponsor: Netherlands Organisation for Scientific Research (NWO), Dutch Ministry of Health, Welfare and Sports (VWS), the Netherlands Organisation for Health Research and Development (ZonMW), World Cancer Research Fund (WCRF), European Commission (DG SANCO)

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Type 2 diabetes

Toelichting onderzoek

Achtergrond van het onderzoek

We will study the association of pure fruit juice and fruit consumption with type 2 diabetes in the European Prospective Investigation into Cancer and Nutrition-Netherlands (EPIC-NL) cohort. Furthermore, we examine whether pure fruit juice consumption has a different effect on the risk of type 2 diabetes for low or high fruit consumers, Cox proportional hazards models will be used to estimate hazard ratios (HRs) and 95% confidence intervals (CI).

Onderzoeksopzet

Three sources for identification of possible type 2 diabetes cases were used: self-report, linkage with the national hospital discharge register (HDR) and urinary glucose strip test. Firstly, self-reported occurrence of diabetes was collected with two follow-up questionnaires at 3 – 5 years intervals. Secondly, diagnoses of diabetes were also obtained from the HDR that holds a hospital discharge diagnosis database from 1990 onwards. Thirdly, for the Prospect cohort only, incident type 2 diabetes cases were also identified via a urinary glucose strip test, sent out with the first follow-up questionnaire, for detection of glucosuria

Onderzoeksproduct en/of interventie

Cox proportional hazards models were used to estimate hazard ratios (HRs) and 95% confidence intervals (CI) for the association of fruit juice consumption and fruit consumption with diabetes. The first model was adjusted for age and sex. The second model was adjusted for age, sex, educational level, physical activity, smoking, family history of diabetes, alcohol, DHD15-index and fruit/fruit juice consumption. In the third model energy intake and in the fourth model BMI and waist circumference were added as covariates, considering these as potential intermediate factors.

Contactpersonen

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

The EPIC-NL study consists of two cohorts: the MORGEN cohort and the Prospect cohort. The MORGEN cohort consists of men and women aged 20 – 65 years selected from random samples of the Dutch population in three towns in the Netherlands (Amsterdam, Doetinchem, Maastricht). The Prospect cohort consists of women, from the Dutch town Utrecht or its vicinity, who participated in a breast cancer screening program.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Prevalent diabetes, missing FFQ, implausible energy intake, missing follow-up, missing data on confounders.

Onderzoeksopzet

Opzet

Type: Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel: Anders
Controle: N.v.t. / onbekend

Deelname

Nederland
Status: Werving gestart
(Verwachte) startdatum: 01-01-2018
Aantal proefpersonen: 37000

Type:

Verwachte startdatum

Ethische beoordeling

Positief advies

Datum:

08-04-2018

Soort:

Eerste indiening

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	NL6939
NTR-old	NTR7135
Ander register	: MEC-TNO-93/01

Resultaten