Curcumin study: Plasma concentrations of curcumin, piperin and genistein in subjects using over the counter supplements.

No registrations found.

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

Summary

ID

NL-OMON25480

Source
NTR

Brief title
Curcumine onderzoek

Health condition

Curcumin
Piperine
Genistein
Bioavailability: biologische beschikbaarheid
Oncology: Oncologie
digestive system: maag darmstelsel
blood vessel pathologie; bloedvataandoeningen

Sponsors and support

Primary sponsor: Academic Medical Center, Amsterdam
Source(s) of monetary or material Support: Investigator initiated

Intervention

Outcome measures

Primary outcome

The aim of this study is to investigate if curcumin is detectable when patients use curcumin supplements in daily life.

Secondary outcome

Besides curcumin we want to investigate which herbal products or drugs are used by patients, which may be influence the bioavailability of curcumin, such as piperine and perhaps genistein.

Study description

Background summary

The aim of the study is to investigate if curcumin is detectable when subjects use curcumin supplements in daily life.
During a single visit to the hospital a questionnaire about the food supplement use by subjects and two blood samples will be collected. One sample before intake and one sample after intake of the food supplement.
With a validated method the concentrations of curcumin, piperin and genistein and their metabolites will be measured.

Study objective

Despite pre-clinical evidence the effectiveness of curcumin in clinical trails is limited. Currently foodsupplements are available as over the counter products with probably fallacious claims about the bioavailability. Prices of 40-50 euros per bottel of curcumin with or without piperin or genistein are common. Despite this patients currently use this supplement in additional care. In this pilot research we want to investigate which products, formulations and dosages patients use and measure the plasma levels reached during intake of these supplements.

Study design

17-okt-2016 start of study

Intervention

none

Contacts

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Eligibility criteria

Inclusion criteria

Adults, currently using curcumin foodsupplement as a over the counter product, patient in AMC, able to give informed consent, healthy participants/visitors of the AMC

Recruitment method: recruitment via treating physician via a folder. Travel cost will be reimbursed if visit cannot be combined with a regular visit. Personal bloodvalues can be given at the end of the study.

Exclusion criteria

Inability to give informed consent
inability to follow instructions of the investigator

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	17-10-2016
Enrollment:	50
Type:	Actual

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion

Date:	12-10-2016
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

ID: 42857
Bron: ToetsingOnline
Titel:

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL5931
NTR-old	NTR6111
CCMO	NL58755.018.16
OMON	NL-OMON42857

Study results