

Preterm INfants KnowLegde on Target height and outcomE.

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Growth and development of high risk and low risk preterm infants differ from children born at a normal gestational age. Perinatal riskfactors, development and growth of high risk and low risk preterm infants are different.

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

Samenvatting

ID

NL-OMON27888

Bron

NTR

Verkorte titel

Pinkeltje

Aandoening

Preterms; born before 36 weeks completed weeks of gestation in 2002 or 2003, and in care of a well child health centre participating in the study.

Controls; children born between 38 and 41+6 weeks of gestation in 2002 and 2003 cared for by the same participating child health centres.

Ondersteuning

Primaire sponsor: Friesland foods

Abbott

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Neurodevelopment and growth.

Toelichting onderzoek

Achtergrond van het onderzoek

Preterm infants born before 32 weeks of gestation are called high risk preterm infants (HRPI) and are known to be at high risk for growth and neuro-developmental disorders. Adequate catch up growth has a beneficial effect on developmental outcome. "Too much" catch up growth might lead to an increased risk for developing the metabolic syndrome. Perinatal risk factors that influence neurodevelopmental outcome in HRPI have been studied extensively.

Low risk preterm infants (LRPI) born between 32 and 36 weeks of gestation have not been studied extensively, but a subgroup of these LRPI might be at an increased risk of developing growth and neurodevelopmental disorders as well.

Which perinatal risk factors influence the neurodevelopmental outcome and growth of LRPI is not known.

We will assess perinatal and postnatal risk factors, (including pregnancy and medication mother) growth parameters and neurodevelopmental outcome in HRPI and LRPI compared to controls.

We will also study the efficacy of a modified version of the Dutch Van Wiechen Developmental screenings test to identify preterm infants at a young age who are at high risk of neurodevelopmental problems at school age.

Doel van het onderzoek

Growth and development of high risk and low risk preterm infants differ from children born at a normal gestational age. Perinatal riskfactors, development and growth of high risk and low risk preterm infants are different.

Onderzoeksopzet

N/A

Onderzoeksproduct en/of interventie

1. Measurement of growth parameters at the age of 3 years and nine months;
2. Retrospective analysis medical records mother and child;
3. Questionnaires on development, behaviour socio-economic and medical conditions at 3 year and nine months and at the age of 5 years;
4. WISC-R intelligence test and movement ABC test between the age of 6 and 7 years.

Contactpersonen

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

All infants born before 36 completed weeks gestation in a well defined large region of the Netherlands in 2002 and 2003.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Major congenital malformations;
2. congenital infections.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Blinding:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	01-10-2005
Aantal proefpersonen:	2125
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies

Datum: 28-07-2006
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	NL729
NTR-old	NTR739
Ander register	: N/A
ISRCTN	ISRCTN80622320

Resultaten

Samenvatting resultaten

N/A