











SNP data to the general population Experiences from the MIDIA Study

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MIDIA STUDY

Purpose:



Find environmental triggers of type 1 diabetes



How:

for 15 years





2,1 % who have the high-risk genotype with mouth swabs Follow-up 2,000 children with the high-risk genotype

Screene 100,000 children to find the









Regulations for Scientific Projects



Based on informed consent



 Approval from the Regional Committee for Medical Ethics, 1999



•Approval from the Data Inspectorate, 2001









- The National Committee for Medical Ethics
- The Directorate for Health and Social Affairs

The Department for Health and Care Affairs







The Biotechnology Committee



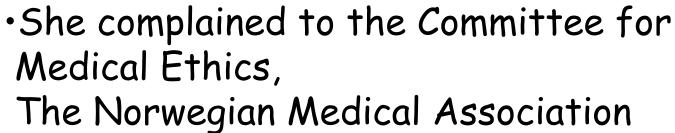












Visited their local phycisian

A mother and father with a HR child





Aftenposten 28.06.07



 Another mother wrote an anonymous letter to Journal of the Norwegian Medical Association







The head of the Biotechnology Committee: "The MIDIA Study is performing genotyping against the Biotechnology Law", Aftenposten, 29.06.07



The Norwegian Biotechnology Law



Predictive Genetic testing





 Counciling has to be given before, during and after the testing





The Norwegian Biotechnology Law





 Genetic testing of a child < 16 years is not allowed if circumstances can't be detected that can give health benefit for the child



 The Dept. can under certain conditions make exceptions















•Stopping of MIDIA from July 2, 2007

- •Meeting with the Directorate for Health and Social Affairs, July 4.
- •We could applay for exception, getting certification for genotyping, no reason to stop MIDIA in the meantime





- Committe for the Biotechnology law: "MIDIA is against the law"







-The Committee for Medical Ethics: "Only ethical to test 1. degree relatives"







- The MIDIA Study was stopped by The Directorate for Health and Social Affairs December 10, 2007.







 Participants should be followed-up in a good medical and sutiable form









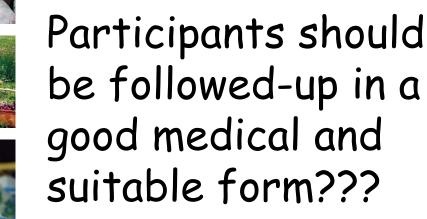


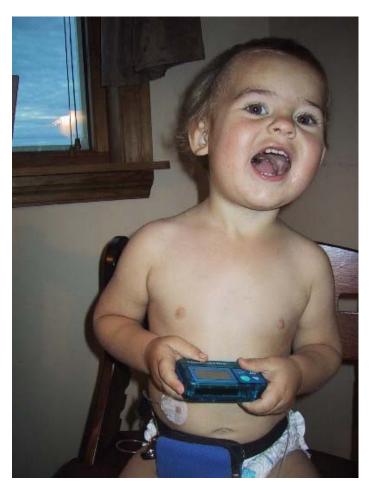
- The Data Inspectorate, December 13, 2007: Illegal to use the already collected data in MIDIA.
- But data belongs to the participants in MIDIA
- We could apply to the Regional Committee for Medical Ethics and the Data Instectorate once more
- Ask for a new Informed consent

















- Shdir rejected the Complaint of Dec. 22, 2007 March 30, 2008.









 The Department for Health and Social Affairs, letter of April 26, 2008, would give their own evaluation of the MIDIA project, important health political decitions has to go to HOD before Shdir can make a decition (the roles for management by Shdir from HOD of January 2005)



The reviced National Budget

- The government wanted the follow-up of





participants in MIDIA to continue as before

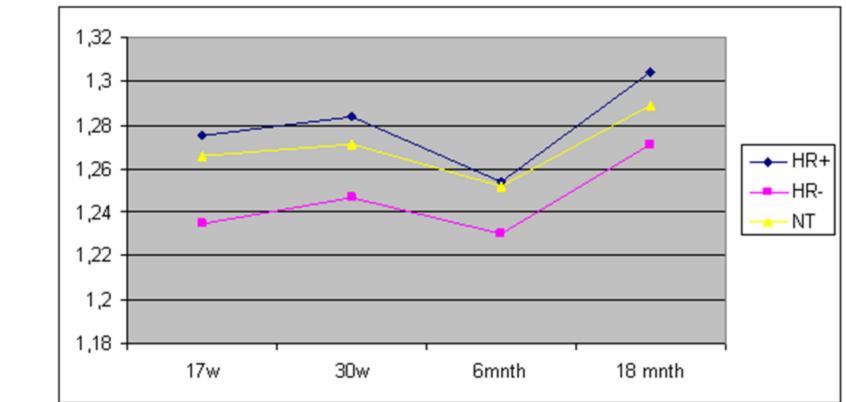


- Letter from HOD June 23, 2008, research in MIDIA could continue





Effect of risk information





Pshycososial effect of risk information

Thinking about T1D risk, Questionnaire 3 mnd (n=927)	Never N (%)	Sometimes N (%)	Often N (%)	Daily N (%)	Not answered N (%)
Mother	126 (13.6)	576 (62.1)	136 (14.7)	55 (5.9)	34 (3.7)
Father	233 (25.1)	520 (56.1)	63 (6.8)	18 (1.9)	93 (10.0)



Pshycososial effect of risk information

Thinking about T1D risk, Questionnaire 12 mnd (n=663)	Never N (%)	Sometimes N (%)	Often N (%)	Daily N (%)	Not answered N (%)
Mother	209 (31.5)	385 (58.1)	32 (4.8)	6 (0.9)	31 (4.7)
Father	317 (47.8)	266 (40.1)	16 (2.4)	3 (0.5)	61 (9.2)















- Primary intervention omega-3 fatty acids
- Secondary intervention GAD vaccine





Thank you very much for your attention!









