

## ACTA-Menzis: Preventie van cariës bij kinderen at risk (2011-2014)



### Principle investigator



Dr. D. Duijster

### Short Description

The aim of this PhD project was to explore parental and family-related psychosocial determinants of childhood dental caries, and their potential role in socioeconomic inequalities in children's dental health. Triangulation of methods was employed to investigate the research question, involving both quantitative research methods (self-report questionnaires and video-observations), as well as qualitative research methods (focus group interviews). Findings of this research project showed that the family matters in the development of childhood dental caries. Parental attributes in relation to dental self-efficacy and Locus of Control, and dimensions of parenting practices, parent-child interaction and family functioning were important indicators of dental decay in children 5- to 8-year old children in The Netherlands. A vital next step is to evaluate whether interventions that incorporate these family components have the potential to effectively prevent dental caries in children and reduce socioeconomic inequalities in children's dental health.

### Staff involved

Department: Social Dentistry

- Prof. dr. G.H.W. Verrips
- Dr. D. Duijster

Outside department:

- Prof. dr. C. van Loveren, Preventive Dentistry and Oral Microbiology

### Collaborations/affiliations

- TNO, Amsterdam/Leiden, Netherlands
- Ivoren Kruis, Teun Rietmeijer, Naarden, Netherlands
- Menzis, Bas Leerink, Wageningen, Netherlands

### Grants

- Menzis, granted € 162.750: (2011, February 01 - 2014, February 01).

### Publications

- **Duijster, D.**, O'Malley, L., Elison, S., Loveren, C. van, Marcenes, W., Adair, P.M. & Pine, C.M. (2013). Family relationships as an explanatory variable in childhood dental caries: A systematic review of measures. *Caries Research*, 47 Suppl 1, 22-39.

- De Jong-Lenters, M., **Duijster, D.**, Bruist, M.A., Thijssen, J. & de Ruiter, C. (2014). The relationship between parenting, family interaction and childhood dental caries: a case-control study. *Social Science & Medicine*, 116, 49-55.
- **Duijster, D.**, van Loveren, C., Dusseldorp, E. & **Verrips, G.H.W.** (2014). Modelling community, family, and individual determinants of childhood dental caries. *European Journal of Oral Sciences*, 122 (2), 125-133.
- **Duijster, D.**, **Verrips, G.H.W.** & van Loveren, C. (2014). The role of family functioning in childhood dental caries. *Community Dentistry and Oral Epidemiology*, 42 (3), 193-205.
- **Duijster D.**, O'Malley L, Elison SN, van Loveren C, Marcenes W, Adair PM, Pine C. Family relationships as an explanatory variable of childhood dental caries: a systematic review of measures. *Caries Res* 2013;47(suppl.1):22-39.
- **Duijster D.**, de Jong-Lenters M, **Verrips GHW**, van Loveren C. Establishing health promoting behaviours in children – Parents' views on barriers, facilitators and professional support. A qualitative study. *BMC Oral Health* 2015;15:157.

**More information please visit the following links:**

- <https://www.ivorenkruis.nl/index.cfm?m=1&sub=0&c=1&id=75>
- [https://pure.uva.nl/ws/files/2377605/155659\\_Proefschrift\\_D.\\_Duijster.pdf](https://pure.uva.nl/ws/files/2377605/155659_Proefschrift_D._Duijster.pdf)