

• Referentiekader

De resultaten van een groot aantal studies, veelal patiëntgebonden wetenschappelijk onderzoek bij uiteenlopende klinische populaties in Nederland en het buitenland, laten zien dat het instrument een grote mate van sensitiviteit bezit om afwijkingen in het hersenfunctioneren bij patiënten te detecteren. Uit de onderzoekspublicaties is veel informatie te halen over validiteitsaspecten van de taken. Intussen zijn meer dan 230 internationale publicaties verschenen over onderzoek waarin de ANT gebruikt werd en daarmee is een uitgebreid referentiekader ontstaan met betrekking tot de volgende onderwerpen (Tabel 1).

VELD	ONDERWERP	REFERENTIES
ONTWIKKELINGS- STOORNISSEN	Perinatale problemen, Intrauterine groeiretardatie	De Sonnevile (1988), De Soneville & Njiokiktjien (1988), De Sonnevile (1989), De Sonnevile, Visser et al. (1989), Van der Reijden-Lakeman, De Sonnevile, Swaab-Barneveld et al. (1997), Van Handel et al. (2012), Ter Wolbeek (2013)
	Minor Neurological Dysfunction	De Sonnevile, Geeraets & Woestenburg (1993)
	Dyslexie	De Sonnevile, Neyens & Licht (1993), Dirks et al. (in voorbereiding)
	Non-verbale leerstoornissen	Serlier-van den Bergh (2002 ^{a,b,c})
	Stotteren	Eggers et al. (2012, 2013)
METABOLE STOORNISSEN	Fenylketonurie (PKU)	De Sonnevile e.e. (1990), De Sonnevile (1992), Pietz, Schmidt, Matthis et al. (1993), Schmidt (1994), Schmidt, Burgard, Pietz et al. (1994), Waisbren et al. (1994), De Valk et al. (2000), Huijbregts (2002), Huijbregts, De Sonnevile, Licht et al. (2002 ^{a,b,c}), Huijbregts, De Sonnevile, van Spronsen et al. (2002, 2003), Ten Hoedt et al. (2011), Jahja et al. (submitted)
	Niet-PKU Hyperfenylalaninemie	Weglage, Schmidt, Fünders et al. (1996), Weglage, Ullrich, Pietsch et al. (1996, 1997)
	Galactosemie	Widhalm, Miranda-da-Cruz & De Sonnevile (2002)
PSYCHIATRISCHE STOORNISSEN	Attention Deficit Hyperactivity Disorder (ADHD)	De Sonnevile & Njiokiktjien (1991), Njiokiktjien & De Sonnevile (1992), De Sonnevile, Njiokiktjien & Bos (1994), Swaab-Barneveld (1998), Swaab-Barneveld, De Sonnevile, Cohen-Kettenis et al. (2000), Swaab-Barneveld, Cohen-Kettenis, Gielen et al. (2000), Tjeenk-Kalff (2002), Kalff, De Sonnevile, Hurks et al. (2003, 2005), Slaats-Willemse, Swaab-Barneveld, De Sonnevile et al. (2003, 2005), Slaats-Willemse, De Sonnevile, Swaab-Barneveld et al. (2005), Stins, Tollenaar, Slaats-Willemse et al. (2005), Bruning (2006), Rommelse, Oosterlaan, Buitelaar et al. (2007), Rommelse, Altink, De Sonnevile et al. (2007), Marchetta, Hurks, De Sonnevile et al. (2008), Greimel, Herpertz-Dahlmann, Günther et al. (2008), Günther, Jolles et al. (2009), Markovskja-Simoska et al. (2010), Vloet et al. (2010), Günther et al. (2011), Thissen et al. (2012 [Epub])
	Oppositional Conduct Disorder (OCD), angst, depressie, co-morbiditeit	Swaab-Barneveld, De Sonnevile, Cohen-Kettenis et al. (2000), Günther, Holtkamp, Jolles et al. (2004), Kalff, De Sonnevile, Hurks et al. (2003, 2005), Van den Bergh, Mennes, Oosterlaan et al. (2005), Rosello-Mir, Homar, Sbert et al. (2005), Mennes, Stiers, Lagae et al. (2006), Mennes (2008), Günther et al. (2011)
	ASD (autisme, Asperger, pervasieve ontwikkelingsstoornissen (PDD, MCDD))	Althaus, De Sonnevile, Mindera et al. (1996), Althaus (2000), Njiokiktjien, Verschoor, De Sonnevile et al. (2001), Serra, Althaus, De Sonnevile et al. (2003), Serra, Althaus & De Sonnevile (2004), Bruning (2006), Herba, De Bruin, Althaus et al. (2008), Van Rijn et al. (2012 [Epub]), Van der Meer et al. (2012), Zmigrod et al. (2013), Barneveld et al. (2013), Van der meer et al. (2012, submitted), Oerlemans, Droste et al. (2013 Epub, submitted), Oerlemans, Van der Meer et al. (2013, submitted), Hartman et al. (submitted)

VERWORVEN STOORNISSEN	Schizofrenie, psychose	Van Rijn et al. (2011)
	Alzheimer	Van Dijk (2005)
	Type 1 diabetes mellitus	Rijpert (2010)
	Gesloten schedeltrauma	De Sonnevile & Njiokiktjien (1988), Bouma, De Vries & De Sonnevile (1997), Van Heugten, Hendriksen, Rasquin et al. (2006), De Kloet et al. (2012)
	Acute lymfoblastische leukemie, Wilms' tumor, hersentumoren	Buizer, De Sonnevile, Van den Heuvel-Eibrink et al. (2005 ^{a,b}), Mennes, Stiers, Vandenbussche et al. (2005), Buizer, De Sonnevile, van den Heuvel-Eibrink et al. (2006), Daams et al. (2012), Schuitema et al. (2013, Epub)
	Epilepsie	Franken, Klappe-van Bakel & Brunia (1994), Weglage, Demsky, Pietsch et al. (1997)
	Multiple sclerose	De Sonnevile, Boringa, Reuling et al. (2002), Lazeron, De Sonnevile, Scheltens et al. (2006)
	HIV	Koekoek, Eggermont, De Sonnevile et al. (2006), Koekoek, De Sonnevile, Wolfs et al. (2008)
	CVA	De Groot-Driesen, Van de Sande & Van Heugten (2006)
	ERFELIJKE AFWIJKNINGEN	Syndroom van Klinefelter (XXY)
Fragile X		Steyaert, Borghgraef & Fryns (1994)
22q11		(in voorbereiding)
Neurofibromatose		Rowbotham et al. (2009), Huijbregts, Jahja et al. (2010), Huijbregts, Swaab-Barneveld et al. (2010), Huijbregts & De Sonnevile (2011)
Spina bifida		Vinck et al. (2009), Vinck et al. (2010)
Syndroom van Sjögren-Larsson		Willemsen, Lutt, Steijlen et al. (2002)
INTERVENTIES, MEDICATIE	Openhartchirurgie	Van der Rijken et al. (2008, 2010)
	In-vitrofertilisatie	Wagenaar et al. (2009)
	Glucocorticoiden	Ter Wolbeek et al. (2013)
	Glucose controle	Mesotten et al. (2012)
	Dieet, tyrosine, L-dopa (PKU)	De Sonnevile (1992), Pietz, Schmidt, Matthis et al. (1994), Schmidt, Rupp, Burgard et al. (1994), Pietz, Landwehr, Kutscha et al. (1995), Schmidt, Burgard & Rupp (1996), Ullrich, Weglage, Oberwittler et al. (1996), Burgard, Rey, Rupp et al. (1997), Huijbregts, De Sonnevile, Licht et al. (2002 ^{a,c}),
	Methylfenidaat (ritaline) (ADHD)	De Sonnevile, Njiokiktjien & Hilhorst (1991), De Sonnevile, Njiokiktjien & Bos (1994), Konrad, Günther & Herpertz-Dahlman (2003), Hanisch, Günther, Konrad et al. (2004), Konrad, Günther, Hanisch et al. (2004), Günther (2005), Konrad, Günther, Heinzl-Gutenbrunner et al. (2005), Günther et al. (2010)
	Atomoxetine	Van der Meer et al. (2013 [Epub])
	Sertraline	Günther, Holtkamp, Jolles et al. (2005)
	Training in mindfulness	Van de Weijer-Bergsma et al. (2012)
	Effecten van computergames	De Kloet et al. (2012)
	Melatonine/slaapstoornissen	Van der Heijden Smits, Van Someren et al. (2007), Van der Heijden et al., (2013)
	Risperidone	Günther, Herpertz-Dahlmann, Jolles et al. (2006), Troost Althaus, Lahuis et al. (2006)
	HAART (HIV)	Koekoek, Eggermont, De Sonnevile et al. (2006)
	Aspartaam (ouders van kk met PKU)	Trefz, De Sonnevile, Matthis et al. (1994), De Sonnevile, Trefz, Lanz-Englert et al. (1995), De Sonnevile & Benninger (1996), Butschko, Stargel, Comer et al. (2002)
	Carbamazepine, valproïnezuur	Franken, Klappe-van Bakel, Brunia et al. (1994)
	Uridine suppletie (galactosemie)	Widhalm, Miranda-da-Cruz & De Sonnevile (2002)
	Transdermale nicotine (syndroom van Down)	Seidl, Tiefenthaler & Lubec (2000)
ONTWIKKELINGS- DETERMINANTEN	Normaalcohortstudie	De Sonnevile, Verschoor, Njiokiktjien et al. (2002), Brunnekreef (2006), Brunnekreef, De Sonnevile, Althaus et al. (2007), Van der Heijden et al. (2010), Harakeh et al.

	(2012), Van Deurzen et al. (2012), Van Eijsden et al. (2011), Loomans et al. (2012)
Kleuters (5-6 jaar)	De Sonnevile, Visser, Licht (1996, 1999), Kalff, De Sonnevile, Hurks et al. (2003, 2005), Wassenbergh, Feron, Kessels et al. (2005), Wassenberg (2007), Davidse et al. (2011), Van Eijsden et al. (2011), Loomans et al. (2012)
Gedragsgenetische (tweeling) studies, familiale studies, endophenotypie (ADHD), genen/linkage/alleles	Groot, De Sonnevile, Stins et al. (2004), Slaats-Willemse, De Sonnevile, Swaab-Barneveld et al. (2005), Slaats-Willemse (2003), Slaats-Willemse, Swaab-Barneveld, De Sonnevile et al. (2003, 2005), Stins, De Sonnevile, Groot et al. (2005), Polderman, Gosso, Posthuma et al. (2006), Polderman, Stins, Posthuma et al. (2006), Polderman (2007), Polderman, Posthuma, De Sonnevile et al. (2007), Slaats-Willemse, Swaab-Barneveld, De Sonnevile et al. (2007), Altink, Rommelse, Slaats-Willemse et al. (2008), Rommelse, Altink, Oosterlaan, Buschens et al. (2008), Rommelse, Altink, Arias-Vásquez et al. (2008), Rommelse, Altink, Oosterlaan, Beem et al. (2008), Rommelse, Altink, Martin et al. (2008), Rommelse, Arias-Vásquez et al. (2008), Rommelse, Altink, Martin et al. (2008), Rommelse, Altink, Fliers et al. (2009), Polderman et al. (2011), Thissen et al. (2012 [Epub])
Perinatale risicofactoren	Potharst et al. (2013), Finken et al. (2013)
Roken	Altink et al. (2009), Huijbregts et al. (2008), Harakeh et al. (2012)
Cannabisgebruik	Griffith-Lendering et al. (2012), Huijbregts et al. (submitted)
Life events	Garrido et al. (2001), Van der Heijden et al. (2011), Mesotten et al. (2012)
TESTPROGRAMMA	De Sonnevile & Bos (1992), De Sonnevile (1993), De Sonnevile & Njokiktjien (1993), De Sonnevile (1996, 1999, 2005), De Sonnevile, Visser & Ligt (1999), Melchers & Lehmkuhl (2000), De Sonnevile, Verschoor, Njokiktjien et al. (2002), Günther, Herpertz-Dahlman & Konrad (2005), De Sonnevile & Swaab (2008), Mirkovska-Simoska et al. (2009), Lapshin et al. (2012), Van der Heijden et al., (in voorbereiding)

Tabel 1 ANT-referentiekader met publicaties per onderwerp in chronologisch-alfabetische volgorde

NB: Dit overzicht is vanzelfsprekend niet volledig. Er wordt een dringend beroep gedaan op de gebruikers van het ANT-programma om niet opgenomen en/of nog te verschijnen publicaties door te geven aan de schrijver (mail@sonares.nl).

- *ANT-referenties behorend bij Tabel 42.8* (in chronologisch-alfabetische volgorde)

1988

De Sonnevile, L.M.J. (1988). *Information processing and neonatal neurological suboptimality. A longitudinal study into primary school age* (PhD Thesis, Vrije Universiteit Amsterdam). Amsterdam: Free University Press.

De Sonnevile, L.M.J. & Njokiktjien, Ch. (1988). *Pediatric Behavioural Neurology. Vol. 2: Aspects of information processing. A computer-based approach to development and disorders*. Amsterdam: Suyi.

1989

De Sonnevile, L.M.J. (1989). Behavioural and neurophysiological follow-up of neonatal neurological suboptimality and learning disabilities. In D.J. Bakker & H. van der Vlugt (Eds.), *Learning Disabilities. Vol. I: Neuropsychological Correlates and Treatment* (pp. 11-33). Lisse: Swets & Zeitlinger.

De Sonnevile, L.M.J., Visser, S.L. & Njiokiktjien, Ch. (1989). Late sequelae of non-optimal neonatal neurological condition in ERP at the age of 11-13 years. *Electroencephalography and Clinical Neurophysiology*, 72, 491-498.

1990

De Sonnevile, L.M.J., Schmidt, H., Michel, U. & Batzler, U. (1990). Preliminary neuropsychological test results of the German Phenylketonuria research project. *European Journal of Pediatrics* [Suppl 1], S39-S44.

1991

De Sonnevile, L.M.J. & Njiokiktjien, Ch. (1991). Een procesbenadering van informatieverwerkingsdeficieten bij aandachts- en leergestoorde kinderen. *Tijdschrift voor Klinische Psychologie*, 21, 60-73.

De Sonnevile, L.M.J., Njiokiktjien, Ch. & Hilhorst, R.H. (1991). Methylphenidate Induced Changes in ADHD Information Processors. *Journal of Child Psychology and Psychiatry*, 32, 285-295.

1992

De Sonnevile, L.M.J. (1992). The importance of dietary control of early-treated phenylketonuria in relation to sustained and complex information processing. In F. Güttler & B. Francois (Eds.), *Proceedings 5th ES PKU Meeting* (pp. 6-9), European Society for PKU.

De Sonnevile, L.M.J. & Bos, H. (1992). Neuropsychologie. In F.C. Verhulst & F. Verheij (Eds.), *Kinder- en jeugdpsychiatrie. Onderzoek en diagnostiek* (pp. 215-231). Assen/Maastricht: Van Gorcum.

Njiokiktjien, Ch. & De Sonnevile, L.M.J. (1992). Differential Diagnosis and Treatment of Attention Deficit Disorders. In A. Benton, H. Levin, G. Moretti & D. Riva (Eds.), *Developmental Neuropsychology* (pp. 128-158). Milaan: Franco Angeli.

1993

De Sonnevile, L.M.J. (1993). SVAT. A computer-based Approach to Development and Disorders of Information Processing. In F.J. Maarse, A.E. Akkerman, N. Brand, L.J.M. Mulder & M. van der Stelt (Eds.), *Computers in Psychology. Tools for experimental and applied psychology, Vol. 4* (pp. 168-176). Lisse: Swets & Zeitlinger.

De Sonnevile, L.M.J., Geeraets, M.H.W. & Woestenburg, J.C. (1993). Information processing in children with minor neurological dysfunction: behavioural and neurophysiological indices. *Early Human Development*, 34, 69-78.

De Sonnevile, L.M.J., Neyens, L. & Licht, R. (1993). Leer- en aandachtstoornissen: vroegtijdige onderkenning en samenhang [Learning and attention disorders. In E.J.M. van Aarle & K. Henneman (Eds.), *Dyslexie 1992. Proceedings IDA congres 1992* (pp. 17-27). Lisse: Swets & Zeitlinger.

De Sonnevile, L.M.J. & Njiokiktjien, Ch. (1993). Process-oriented localization of attention deficits. Illustrative results from a computer-based assessment technique. In F.J. Maarse, A.E. Akkerman, N. Brand, L.J.M. Mulder & M. van der Stelt (Eds.), *Computers in Psychology, Vol. 4* (pp. 185-194). Lisse: Swets & Zeitlinger.

Pietz, J., Schmidt, E., Matthis, P., Kobialka, B., Kutscha, A. & de Sonnevile, L.M.J. (1993). EEG in Patients with Phenylketonuria. Longterm Follow-up from Birth to Adulthood (Part I) and Shortterm Diet-Related Changes of EEG and Cognitive Function (Part II). *Developmental Medicine & Child Neurology*, 35, 54-64.

1994

De Sonnevile, L.M.J., Njiokiktjien, Ch. & Bos, H. (1994). Methylphenidate and Information Processing. Part 1: Differentiation between responders and nonresponders. Part 2: Efficacy in responders. *Journal of Clinical and Experimental Neuropsychology*, 16, 877-897.

Franken, M.L.O., Klappe-van Bakel, A.M., Brunia, C.H.M. & de Sonnevile, L.M.J. (1994). Carbamazepine en valproïnezuur bij epilepsie. Cognitieve bijwerkingen en verbanden met serumconcentraties. *Epicare*, 5, 3-10.

- Schmidt, E., Rupp, A., Burgard, P., Pietz, J., Weglage, J. & de Sonnevile, L. (1994). Sustained attention in adult phenylketonuria. The influence of the concurrent phenylalanine blood level. *Journal of Clinical and Experimental Neuropsychology*, *16*, 681-688.
- Schmidt, E. (1994). *Der Einfluss des aktuellen Phenylalanin-Blutspiegels bei frühbehandelten erwachsenen Phenylketonurie-patienten auf die Informationsverarbeitung* (PhD Thesis, Ruprecht-Karls Universität).
- Steyaert, J., Borghraef, M. & Fryns, J.P. (1994). Apparently enhanced visual information processing in female fragile X carriers. Preliminary findings. *American Journal of Medical Genetics*, *51*, 374-377.
- Trefz, F.K., de Sonnevile, L., Matthis, P., Benninger, Ch., Lanz-Englert, B. & Bickel, H. (1994). Neuropsychological and biochemical investigations in heterozygotes for phenylketonuria (PKUH) during ingestion of high dose aspartame. *Human Genetics*, *93*, 369-374.
- Waisbren, S.E., Brown, M.J., de Sonnevile, L.M.J. & Levy, H.L. (1994). Review of neuropsychological functioning in treated phenylketonuria: an information processing approach. *Acta Paediatrica, Suppl*, *407*, 98-103.

1995

- De Sonnevile, L.M.J., Trefz, F.K., Lanz-Englert, M.A., Benninger, C., Matthis, P. & Bickel, H. (1995). Information processing in individuals heterozygous for phenylketonuria, given the sweetener aspartame, which contains phenylalanine. *Amino Acids*, *9*, 14-15.
- Pietz, J., Landwehr, R., Kutscha, A., Schmidt, H., De Sonnevile, L. & Trefz, F.K. (1995). Effect of high-dose tyrosine supplementation on brain function in adults with phenylketonuria. *Journal of Pediatrics*, *127*, 936-943.

1996

- Althaus, M., de Sonnevile, L.M.J., Minderaa, R.B., Hensen, L.G.N. & Til, H.B. (1996). Information processing and aspects of visual attention in children with the DSM-III-R diagnosis 'Pervasive developmental disorder not otherwise specified (PDD-NOS)'. I: Focused and divided attention. *Child Neuropsychology*, *2*, 17-29.
- Althaus, M., de Sonnevile, L.M.J., Minderaa, R.B., Hensen, L.G.N. & Til, H.B. (1996). Information processing and aspects of visual attention in children with the DSM-III-R diagnosis 'Pervasive developmental disorder not otherwise specified (PDD-NOS)'. II: Sustained attention. *Child Neuropsychology*, *2*, 30-38.
- De Sonnevile, L.M.J. (1996). Amsterdamse Neuropsychologische Taken (ANT). Een computergestuurd testprogramma. *Psychologie & Computers*, *13*, 94-102.
- De Sonnevile, L.M.J. (1996). Amsterdam Neuropsychological Tasks. A computer-aided assessment programme. In B.P.L.M. den Brinker, P.J. Beek, A.P. Hollander & R.T. Nieuwboer (Eds.), *Proceedings 6th Workshop Computers in Psychology* (pp. 123-125). Amsterdam: IFBK.
- De Sonnevile, L.M.J. & Benninger, Ch. (1996). Evaluation of behavior, cognition, and electroencephalograms in PKU heterozygotes. In C. Tschanz, H.H. Butchko, W.W. Stargel & F.N. Kotsonis (Eds.), *The clinical evaluation of a food additive. Assessment of aspartame* (pp. 235-254). Boca Raton FL: CRC.
- De Sonnevile, L.M.J., Visser, M. & Licht, R. (1996). Attention and information processing in 4 and 5 year old children. Results of a computerized assessment technique. In B.P.L.M. den Brinker, P.J. Beek, A.P. Hollander & R.T. Nieuwboer (Eds.), *Proceedings 6th Workshop Computers in Psychology* (pp. 126-128). Amsterdam: IFBK.
- Schmidt, E., Burgard, P. & Rupp, A. (1996). Effects of concurrent phenylalanine levels on sustained attention and calculation speed in patients treated early for phenylketonuria. *European Journal of Pediatrics*, *155* [Suppl. 1], S82-S86.
- Ullrich, K., Weglage, J., Oberwittler, C., Pietsch, M., Fünders, B., von Eckharstein, H. & Colombo, J.P. (1996). Effect of L-dopa on visual evoked potentials and neuropsychological tests in adult phenylketonuria patients. *European Journal of Pediatrics*, *155* [Suppl 1], S74-77.
- Weglage, J., Schmidt, E., Fünders, B., Pietsch, M. & Ullrich, K. (1996). Sustained attention in untreated non-PKU-hyperphenylalaninemia. *Journal of Clinical and Experimental Neuropsychology*, *18*, 343-348.

Weglage, J., Ullrich, K., Pietsch, M., Funders, B., Zass, R. & Koch, H.G. (1996). Untreated non-phenylketonuric-hyperphenylalaninaemia. Intellectual and neurological outcome. *European Journal of Pediatrics*, 155 [Suppl 1], S26-28.

1997

Bouma, A., Vries, M. de & de Sonnevile, L.M.J. (1997). Neuropsychologische gevolgen van traumatisch hersenletsel bij kinderen. Een overzicht. In J.A.M. Vandermeulen, B.J.J. Ansink & P.B. Defares (Eds.), *Handboek posttraumatische stoornissen bij kinderen met niet-aangeboren hersenletsel* (pp. 49-83). Utrecht: De Tijdstroom.

Burgard, P., Rey, F., Rupp, A., Abadie, V. & Rey, J. (1997). Neuropsychologic functions of early treated patients with phenylketonuria, on and off diet. Results of a cross-national and cross-sectional study. *Pediatric Research*, 41, 368-374.

Van der Reijden-Lakeman, I.E.A., de Sonnevile, L.M.J., Swaab-Barneveld, H.J.T., Slijper, F.M.E. & Verhulst, F.C. (1997). Evaluation of attention before and after 2 years of growth hormone treatment in intrauterine growth retarded children. *Journal of Clinical and Experimental Neuropsychology*, 19, 101-118.

Weglage, J., Demsky, A., Pietsch, M. & Kurlmann, G. (1997). Neuropsychological, intellectual, and behavioral findings in patients with centrotemporal spikes with and without seizures. *Developmental Medicine & Child Neurology*, 39, 646-651.

Weglage, J., Ullrich, K., Pietsch, M., Funders, B., Guttler, F. & Harms, E. (1997). Intellectual, neurologic, and neuropsychologic outcome in untreated subjects with nonphenylketonuria hyperphenylalaninemia. German Collaborative Study on Phenylketonuria. *Pediatric Research*, 42, 378-384.

1998

Swaab-Barneveld, H. (1998). *Information processing in a child psychiatric population* (PhD thesis, Universiteit Utrecht).

1999

De Sonnevile, L.M.J. (1999). Amsterdam Neuropsychological Tasks. A computer-aided assessment program. In B.P.L.M. den Brinker, P.J. Beek, A.N. Brand, S.J. Maarse & L.J.M. Mulder (Eds.), *Cognitive ergonomics, clinical assessment and computer-assisted learning. Computers in Psychology*, Vol. 6 (pp. 187-203). Lisse: Swets & Zeitlinger.

De Sonnevile, L.M.J., Visser, M. & Licht, R. (1999). Attention and information processing in 4 and 5 year old children. Results of a computerized assessment technique. In B.P.L.M. den Brinker, P.J. Beek, A.N. Brand, S.J. Maarse & L.J.M. Mulder (Eds.), *Cognitive ergonomics, clinical assessment and computer-assisted learning. Computers in Psychology*, Vol. 6 (pp. 204-217). Lisse: Swets & Zeitlinger.

2000

Althaus, M. (2000). *Visual attention and autonomic adaptivity to attention-demanding tasks in children with autistic-type behavioral problems* (PhD Thesis, Rijksuniversiteit Groningen).

Melchers, P. & Lehmkuhl, G. (2000). Neuropsychologische Diagnostik im Kindes- und Jugendalter. *Zeitschrift für Kinder- und Jugendpsychiatrie und Psychotherapie*, 28, 177-187.

Seidl, R., Tiefenthaler, M., Hauser, E. & Lubec, G. (2000). Effects of transdermal nicotine on cognitive performance in Down's syndrome. *The Lancet*, 356, 1409-1410.

Swaab-Barneveld, H., de Sonnevile, L., Cohen-Kettenis, P., Gielen, A., Buitelaar, J. & van Engeland, H. (2000). Visual sustained attention in a child psychiatric population. *Journal of the American Academy of Child & Adolescent Psychiatry*, 39, 651-659.

Valk, H.W. de, de Sonnevile, L.M.J., Duran, M., Poll-The, B.T. & Erkelens, D.W. (2000). Behandeling van fenyketonurie op de volwassen leeftijd. Een eindeloze opgave. *Nederlands Tijdschrift voor Geneeskunde*, 144, 11-15.

2001

- Garrido Bestard, J., Roselló, J., Munar, E. & Quetgles, M. (2001). Influencia de las bajas tasas de alcoholemia sobre el rendimiento psicomotor y el control atencional de la acción. Implicaciones para la seguridad vial. *Psicothema*, 13, 229-233.
- Njiokiktjien, C., Verschoor, A., de Sonnevile, L.M.J., Huysen, C., Op het Veld, V. & Toorenaar, N. (2001). Disordered recognition of facial identity and emotions in 3 Asperger type autists. *European Child & Adolescent Psychiatry*, 10, 79-90.
- Willemsen, M.A.A.P., Lutt, M.A.J., Steijlen, P.M., Cruysberg, J.R.M., van der Graaf, M., Nijhuis-van der Sanden, M.W.G., Pasman, J.W., Mayapatek, E. & Rotteveel, J.J. (2001). Clinical and biochemical effects of zileuton in patients with the Sjögren-Larsson syndrome. *European Journal of Pediatrics*, 160, 711-717.

2002

- Butchko, H.H., Stargel, W.W., Comer, C.P., Mayhew, D.A., Benninger, C., Blackburn, G.L., De Sonnevile, L.M.J., Geha, R.S., Hertelendy, Z., Koestner, A., Leon, A.S., Liepa, G.U., McMartin, K.E., Mendenhall, C.L., Munro, I.C., Novotny, E.J., Renwick, A.G., Schiffman, S.S., Schomer, D.L., Shaywitz, B.A., Spiers, P.A., Tephly, T.R., Thomas, J.A. & Trefz, F.K. (2002). Aspartame. Review of Safety. *Regulatory Toxicology and Pharmacology*, 35(2), S1-S93.
- De Sonnevile, L.M.J., Boringa, J.B., Reuling, I.E.W., Lazeron, R.H.C., Adèr, H.J. & Polman, C.H. (2002). Information Processing Characteristics in Subtypes of Multiple Sclerosis. *Neuropsychologia*, 14, 1751-1765.
- De Sonnevile, L.M.J., Verschoor, C.A., Njiokiktjien, C., Op 't Veld, V., Toorenaar, N. & Vranken, M. (2002). Facial identity and Facial emotions. Speed, Accuracy, and Processing Strategies in Children and Adults. *Journal of Clinical and Experimental Neuropsychology*, 27, 200-213.
- Huijbregts, S. (2002). *Attention and information processing in early- and continuously treated phenylketonuria* (PhD Thesis, Vrije Universiteit Amsterdam).
- Huijbregts, S.C.J., de Sonnevile, L.M.J., Licht, R., van Spronsen, F.J., Verkerk, P.H. & Sergeant, J.A. (2002^a). Sustained attention and inhibition of cognitive interference in treated phenylketonuria. Associations with concurrent and lifetime phenylalanine concentrations. *Neuropsychologia*, 40, 7-15.
- Huijbregts, S., de Sonnevile, L., Licht, R., Sergeant, J. & van Spronsen, F. (2002^b). Inhibition of Prepotent Responding and Attentional Flexibility in Treated Phenylketonuria. *Developmental Neuropsychology*, 22, 481-499.
- Huijbregts, S.C.J., de Sonnevile, L.M.J., Licht, R., van Spronsen, F.J. & Sergeant, J.A. (2002^c). Short-term dietary interventions in children and adolescents with treated phenylketonuria. Effects on neuropsychological outcome of a well-controlled population. *Journal of Inherited Metabolic Disease*, 25, 419-430.
- Huijbregts, S.C.J., de Sonnevile, L.M.J., van Spronsen, F.J., Licht, R. & Sergeant, J.A. (2002). The Neuropsychological Profile of Early- and Continuously Treated Phenylketonuria. Selective Attention, Vigilance, and 'Maintenance' versus 'Manipulation'-functions of Working Memory. *Neuroscience & Biobehavioral Reviews*, 26, 697-712.
- Serlier-van den Bergh, A.H.M.L. & de Sonnevile, L.M.J. (2002^a). Auditory and visual attentional flexibility in children with NLD. In A.M.H.L. Serlier-van den Bergh, *Development and Validation of the Dutch Nonverbal Learning Disabilities Scale and Dutch Preschool Nonverbal Learning Disabilities Scale* (pp. 153-169) (PhD Thesis, Katholieke Universiteit Brabant).
- Serlier-van den Bergh, A.H.M.L. & De Sonnevile, L.M.J. (2002^b). Face recognition and emotion identification in children with NLD. In A.M.H.L. Serlier-van den Bergh, *Development and Validation of the Dutch Nonverbal Learning Disabilities Scale and Dutch Preschool Nonverbal Learning Disabilities Scale* (pp. 173-183) (PhD Thesis, Katholieke Universiteit Brabant).
- Serlier-van den Bergh, A.H.M.L. & de Sonnevile, L.M.J. (2002^c). Basic motor processes and visuospatial memory in children with NLD. In A.M.H.L. Serlier-van den Bergh, *Development and Validation of the Dutch Nonverbal Learning Disabilities Scale and Dutch Preschool Nonverbal Learning Disabilities Scale* (pp. 185-197) (PhD Thesis, Katholieke Universiteit Brabant).
- Tjeenk-Kalff, A. (2002). *Neurocognitive performance and demographic variables in children at risk of Attention-Deficit/Hyperactivity Disorder* (PhD Thesis, Maastricht University).

Widhalm, K., Miranda-da-Cruz, B. & de Sonnevile, L.M.J. (2002). Information processing characteristics and uridine treatment in children with classical galactosemia. *Nutrition Research*, 22, 257-270.

2003

- Huijbregts, S.C.J., de Sonnevile, L.M.J., van Spronsen, F.J., Berends, I.E., Licht, R., Verkerk, P.H. & Sergeant, J.A. (2003). Executive Motor Control under Lower and Higher Controlled Processing Demands in Early- and Continuously Treated Phenylketonuria. *Neuropsychology*, 17, 369-379.
- Kalff, A.C., de Sonnevile, L.M.J., Hurks, P., Hendriksen, J.G.M., Kroes, M., Feron, F.J.M., Steyaert, J., van Zeben, T.M.C.B., Vles, J.S.H. & Jolles, J. (2003). Low- and high-level controlled processing in executive motor control tasks in 5/6-year-old children at risk of ADHD. *Journal of Child Psychology and Psychiatry*, 44, 1049-1057.
- Konrad, K., Günther, T. & Herpertz-Dahlmann, B. (2003). Differenzielle Beeinflussbarkeit der Aufmerksamkeitsfunktionen unter Methylphenidat bei Kindern mit ADHD. Ergebnisse einer doppelblind-placebokontrollierten neuropsychologischen Studie bei Kindern im Alter von 8 bis 13 Jahre. In U. Lehmkuhl (Ed.), *Psychotherapie und Psychopharmakotherapie im kinders- und Jugendalter* (pp. 108-115). Göttingen: Vandenhoeck & Ruprecht.
- Serra, M., Althaus, M., de Sonnevile, L.M.J., Stant, A.D., Jackson, A.E. & Minderaa, R.B. (2003). Face recognition in children with a pervasive developmental disorder not otherwise specified. *Journal of Autism and Developmental Disorders*, 33, 303-317.
- Slaats-Willemse, D.S. (2003). *Cognitive endophenotypes of ADHD* (PhD Thesis, Universiteit Utrecht).
- Slaats-Willemse, D.S., Swaab-Barneveld, H., de Sonnevile, L., van der Meulen, E. & Buitelaar, J. (2003). Deficient response inhibition as a cognitive endophenotype of ADHD. *Journal of the American Academy for Child and Adolescent Psychiatry*, 42, 1242-1248.

2004

- Groot, A.S., de Sonnevile, L.M.J., Stins, J.F. & Boomsma, D.I. (2004). Familial influences on sustained attention and inhibition in preschoolers. *Journal of Child Psychology and Psychiatry*, 45, 306-314.
- Günther, T., Holtkamp, K., Jolles, J., Herpertz-Dahlmann, B. & Konrad, K. (2004). Verbal memory and aspects of attentional control in children and adolescents with anxiety disorders or depressive disorders. *Journal of Affective Disorders*, 82, 265-269.
- Hanisch, C., Konrad, K., Günther, T. & Herpertz-Dahlmann, B. (2004). Age-dependent neuropsychological deficits and effects of methylphenidate in children with attention-deficit hyperactivity disorder. A comparison of pre- and grade-school children. *Journal of Neural Transmission*, 111, 865-881.
- Konrad, K., Günther, T., Hanisch, C. & Herpertz-Dahlmann, B. (2004). Differential effects of methylphenidate on attentional functions in children with attention-deficit/hyperactivity disorder. *Journal of the American Academy of Child & Adolescent Psychiatry*, 43, 191-198.
- Serra, M., Althaus, M. & de Sonnevile, L. (2004). Gezichtsherkenning bij kinderen met PDD-NOS. *Wetenschappelijk Tijdschrift Autisme*, 2, 52-65.

2005

- Buizer, A.I., de Sonnevile, L.M.J., van den Heuvel-Eibrink, M.M. & Veerman, A.J. (2005). Chemotherapy Intensity as a Risk Factor for Attention and Information Processing Deficits in Survivors of Childhood Acute Lymphoblastic Leukaemia. *Pediatric Blood & Cancer*, 45, 281-290.
- Buizer, A.I., de Sonnevile, L.M.J., van den Heuvel-Eibrink, M.M., Njikiktjien, C. & Veerman, A.J.P. (2005). Visuomotor control in survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. *Journal of the International Neuropsychological Society*, 11, 554-565.
- Günther, T. (2005). *Attentional Dysfunctions and its Pharmacological Modulation in Childhood Psychiatric Disorders. Evidence from Neuropsychological Studies* (PhD Thesis, Maastricht University).
- Günther, T., Herpertz-Dahlmann, B. & Konrad, K. (2005). Reliabilität von Aufmerksamkeits- und verbalen Gedächtnistests bei gesunden Kindern und Jugendlichen. Implikationen für die Praxis. *Zeitschrift für Kinder- und Jugendpsychiatrie und Psychotherapie*, 33, 169-179.

- Günther, T., Holtkamp, K., Jolles, J., Herpertz-Dahlmann, B. & Konrad, K. (2005). The influence of sertraline on attention and verbal memory in children and adolescents with anxiety disorders. *Journal of Child and Adolescent Psychopharmacology*, 15, 608-618.
- Kalff, A.C., de Sonnevile, L.M.J., Hurks, P., Hendriksen, J.G.M., Kroes, M., Feron, F.J.M., Steyaert, J., van Zeben, T.M.C.B., Vles, J.S.H. & Jolles, J. (2005). Speed, speed variability, and accuracy of information processing in 5/6-year-old children at risk of ADHD. *Journal of the International Neuropsychological Society*, 11, 173-183.
- Konrad, K., Günther, T., Heinzl-Gutenbrunner, M. & Herpertz-Dahlmann, B. (2005). Clinical Evaluation of subjective and objective changes in motoractivity and attention in children with attention-deficit/hyperactivity disorder in a double-blind methylphenidate trial. *Journal of Child and Adolescent Psychopharmacology*, 15, 180-190.
- Mennes, M., Stiers, P., Vandenbussche, E., Vercruyse, G., Uyttebroeck, A., de Meyer, G. & Gool, S. van (2005). Attention and information processing in survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. *Pediatric Blood Cancer*, 44, 478-486.
- Roselló-Mir, J., Homar, C., Sbert, P., Titos, A., Stanic, L., Rodríguez, R. & Siquier, T. (2005). Influencia de los estados emocionales de ira y tristeza en la discriminación de tres expresiones faciales relacionadas con la emoción. *Revista Electrónica de Motivación y Emoción*, 8(19). ISSN-1138-493X.
- Slaats-Willemse, D.S., de Sonnevile, L., Swaab-Barneveld, H. & Buitelaar, J. (2005). Motor Flexibility Problems as a Marker for Genetic Susceptibility to ADHD. *Biological Psychiatry*, 58, 233-238.
- Slaats-Willemse, D.S., Swaab-Barneveld, H., de Sonnevile, L. & Buitelaar, J. (2005). Familial Clustering of Executive Functioning in Affected Sibling Pair Families with ADHD. *Journal of the American Academy for Child and Adolescent Psychiatry*, 44, 385-391.
- De Sonnevile, L.M.J. (2005). Amsterdam Neuropsychological tasks. Scientific and clinical applications. *Tijdschrift voor Neuropsychologie*, 0, 27-41.
- Stins, J.F., de Sonnevile, L.M.J., Groot, A.S., Polderman, T.C., Baal, G.C.M. van & Boomsma, D.I. (2005). Heritability of selective attention and working memory in preschoolers. *Behaviour Genetics*, 35, 407-416.
- Stins, J.F., Tollenaar, M.S., Slaats-Willemse, D.I.E., Buitelaar, J.K., Swaab-Barneveld, H., Verhulst, F.C., Polderman, T.C. & Boomsma, D.I. (2005). Sustained Attention and Executive Functioning Performance in Attention-Deficit/Hyperactivity Disorder. *Child Neuropsychology*, 11, 285-294.
- Van den Berg, B.R.H., Mennes, M., Oosterlaan, J., Stevens, V., Stiers, P., Marcoen, A. & Lagae, L. (2005). High antenatal maternal anxiety is related to impulsivity during performance on cognitive tasks in 14-and 15-year-olds. *Neuroscience and Biobehavioral Reviews*, 29, 259-269.
- Van Dijk, K.R.A. (2005). *Peripheral electrical nerve stimulation in Alzheimer's disease* (PhD Thesis, Vrije Universiteit Amsterdam). Enschede: Print Partners Ipskamp.
- Wassenberg, R., Feron, F.J., Kessels, A.G., Hendriksen, J.G., Kalff, A.C., Kroes, M., Hurks, P.P., Beeren, M., Jolles, J. & Vles, J.S. (2005). Relation between cognitive and motor performance in 5- to 6-year-old children. Results from a large-scale cross-sectional study. *Child Development*, 76, 1092-103.
- 2006
- Bruning, N. (2006). Neurokognitive Defizite bei Autismus und Aufmerksamkeitsdefizit/Hyperaktivitätssyndrom. Inaugural-dissertation, Fakultät für Psychologie und Sportwissenschaft, Abteilung Psychologie der Universität Bielefeld.
- Brunnekreef, J.A. (2006). *Information processing and problem behavior in preadolescents* (PhD Thesis, Rijksuniversiteit Groningen).
- Buizer, A.I., de Sonnevile, L.M.J., van den Heuvel-Eibrink, M.M., Njokiktjien, C. & Veerman, A.J.P. (2006). Behavioral and educational limitations following chemotherapy for childhood acute lymphoblastic leukemia or a Wilms' tumor. *Cancer*, 106, 2067-2075.
- De Groot-Driessen, D., van de Sande, P. & van Heugten, C. (2006). Speed of finger tapping as a predictor of functional outcome after unilateral stroke. *Archives of Physical Medicine and Rehabilitation*, 87, 40-44.

- Günther, T., Herpertz-Dahlmann, B., Jolles, J. & Konrad, K. (2006). The influence of risperidone on attentional functions in children and adolescents with attention-deficit/hyperactivity disorder and co-morbid disruptive behavior disorder. *Journal of Child and Adolescent Psychopharmacology*, *16*, 725-735.
- Koekkoek, S., Eggermont, L., de Sonnevile, L., Jupimai, T., Wicharuk, S., Apateerapong, W., Chuenyam, T., Lange, J., Wit, F., Pancharoen, C., Phanuphak, P. & Ananworanich, J. (2006). Effects of highly active antiretroviral therapy (HAART) on psychomotor performance in children with HIV disease. *Journal of Neurology*, *253*, 1615-24.
- Lazeron, R.H., de Sonnevile, L.M., Scheltens, P., Polman, C.H. & Barkhof, F. (2006). Cognitive slowing in multiple sclerosis is strongly associated with brain volume reduction. *Multiple Sclerosis Journal*, *12*, 760-768.
- Mennes, M., Stiers, P., Lagae, L. & van den Bergh, B. (2006). Long-term cognitive sequelae of antenatal maternal anxiety. Involvement of the orbitofrontal cortex. *Neuroscience & Biobehavioral Reviews*, *30*, 1078-1086.
- Polderman, T.J.C., Gosso, M.F., Posthuma, D., Beijsterveldt, T.C.E.M., Heutink, P., Verhulst, F.C. & Boomsma, D.I. (2006). A longitudinal twin study on IQ, executive functioning, and attention problems during childhood and early adolescence. *Acta Neurologica Belgica*, *106*, 191-207.
- Polderman, T.J.C., Stins, J.F., Posthuma, D., Gosso, M.F., Verhulst, F.C. & Boomsma, D.I. (2006). The phenotypic and genotypic relation between working memory speed and capacity. *Intelligence*, *34*, 549-560.
- Troost, P.W., Althaus, M., Lahuis, B.E., Buitelaar, J.K., Minderaa, R.B. & Hoekstra, P.J. (2006). Neuropsychological effects of risperidone in children with pervasive developmental disorders. A blinded discontinuation study. *Journal of Child and Adolescent Psychopharmacology*, *16*, 561-73.

2007

- Brunnekreef, A.J., de Sonnevile, L.M., Althaus, M., Minderaa, R.B., Oldehinkel, A.J., Verhulst, F.C. & Ormel, J. (2007). Information processing profiles of internalizing and externalizing behavior problems. Evidence from a population-based sample of preadolescents. *Journal of Child Psychology and Psychiatry*, *48*, 185-193.
- Polderman, T.J.C. (2007). Genetica van aandacht en aandachtsproblemen. Kan executief functioneren dienen als cognitief endofenotype? *Neuropraxis*, *5*, 133-138.
- Polderman, T.J.C., Posthuma, D., de Sonnevile, L.M.J., Stins, J.F., Verhulst, F.C. & Boomsma, D.I. (2007). Genetic analyses of the stability of executive functioning during childhood. *Biological Psychology*, *76*, 11-20.
- Rommelse, N.N.J., Oosterlaan, J., Buitelaar, J., de Sonnevile, L.M.J. & Sergeant, J.A. (2007). Motor control in children with ADHD and non-affected siblings. Deficits most pronounced using the left hand. *Journal of Child Psychology and Psychiatry*, *48*, 1071-1079.
- Rommelse, N.N., Altink, M.E., de Sonnevile, L.M., Buschens, C.J., Buitelaar, J., Oosterlaan, J. (2007). Are inhibitory control and cognitive flexibility dead ends in ADHD? *Journal of Abnormal Child Psychology*, *35*, 957-967.
- Slaats-Willemse, D.I.E., Swaab-Barneveld, H.J.T., de Sonnevile, L.M.J. & Buitelaar, J.K. (2007). Family-Genetic Study of Executive Functioning in ADHD. Evidence for an Endophenotype? *Neuropsychology*, *21*, 751-60.
- Van der Heijden, K.B., Smits, M.G., van Someren, E.J., Ridderinkhof, K.R. & Gunning, W.B. (2007). Effect of melatonin on sleep, behavior, and cognition in ADHD and chronic sleep-onset insomnia. *Journal of the American Academy of Child & Adolescent Psychiatry*, *46*, 233-241.
- Wassenberg, R. (2007). *Differential cognitive development. A neuropsychological approach* (PhD Thesis, Maastricht University).

2008

- De Sonnevile, L. & Swaab, H. (2008). Amsterdam Neuropsychological Tasks (ANT). Link between research and practice. *VVP Nieuws*, 3-4.

- Greimel, E., Herpertz-Dahlmann, B., Günther, T., Vitt, C. & Konrad, K. (2008). Attentional functions in children and adolescents with attention-deficit/hyperactivity disorder with and without comorbid tic disorder. *Journal of Neural Transmission*, *115*, 191-200.
- Herba, C.M., de Bruin, E., Althaus, M., Verheij, F. & Ferdinand, R.F. (2008). Face and emotion recognition in MCDD versus PDD-NOS. *Journal of Autism and Developmental Disorders*, *38*, 706-718.
- Huijbregts, S.C., Warren, A.J., de Sonnevile, L.M. & Swaab-Barneveld, H. (2008). Hot and Cool Forms of Inhibitory Control and Externalizing Behavior in Children of Mothers who Smoked during Pregnancy. An Exploratory Study. *Journal of Abnormal Child Psychology*, *36*, 323-333.
- Koekkoek, S., de Sonnevile, L., Wolfs, T.F.W., Licht, R. & Geelen, S.P.M. (2008). Neurocognitive function profile in HIV-infected School-Age Children. *European Journal of Paediatric Neurology*, *12*, 290-297.
- Marchetta, N.D.J., Hurks, P.P.M., de Sonnevile, L.M.J., Krabbendam, L. & Jolles, J. (2008). Sustained and Focused Attention Deficits in Adult Attention Deficit Hyperactivity Disorder (ADHD). *Journal of Attention Disorders*, *11*, 664-676.
- Mennes, M. (2008). *Longitudinal study on the effects of anxiety during pregnancy. Neuropsychological and neurophysiological examination of cognitive control in the adolescent offspring* (PhD thesis, Katholieke Universiteit Leuven).
- Rommelse, N.N.J., Altink, M.E., Oosterlaan, J., Buschens, C.J.M., Buitelaar, J.K. & Sergeant, J.A. (2008). Support for an independent familial segregation of executive and intelligence endophenotypes in ADHD families. *Psychological Medicine*, *38*, 1595-1606.
- Rommelse, N.N.J., Altink, M.E., Oosterlaan, J., Beem, L., Buschens, C.J.M., Buitelaar, J.K. & Sergeant, J.A. (2008). Speed, variability, and timing of motor output in ADHD. Which measures are useful for endophenotypic research? *Behavior Genetics*, *38*, 121-132.
- Rommelse, N.N.J., Altink, M.E., Arias-Vásquez, A., Buschens, C.J.M., Fliers, E., Faraone, S.V., Buitelaar, J.K., Sergeant, J.A., Oosterlaan, J. & Franke, B. (2008). Differential association between MAOA, ADHD and neuropsychological functioning in boys and girls. *American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics*, *147B*, 1524-1530.
- Rommelse, N.N.J., Arias-Vásquez, A., Altink, M.E., Buschens, C.J.M., Fliers, E., Faraone, S.V., Buitelaar, J.K., Sergeant, J.A., Oosterlaan, J. & Franke, B. (2008). Neuropsychological endophenotype approach to genome-wide linkage analysis identifies new susceptibility loci for ADHD on 2q21.1 and 13q12.11. *American Journal of Human Genetics*, *83*, 99-105.
- Rommelse, N.N.J., Altink, M.E., Arias-Vásquez, A., Buschens, C.J.M., Fliers, E., Faraone, S.V., Buitelaar, J.K., Sergeant, J.A., Franke, B. & Oosterlaan, J. (2008). A review and analysis of the relationship between neuropsychological measures and DAT1 in ADHD. *American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics*, *147B*, 1536-1546.
- Rommelse, N.N.J., Altink, M.E., Martin, N.C., Buschens, C.J.M., Buitelaar, J., Sergeant, J.A. & Oosterlaan, J. (2008). Neuropsychological measures probably facilitate heritability research of ADHD. *Archives of Clinical Neuropsychology*, *23*, 579-591.
- Rommelse, N.N.J., Altink, M.E., Martin, N.C., Buschens, C.J.M., Faraone, S.V., Buitelaar, J.K., Sergeant, J.A. & Oosterlaan, J. (2008). Relation between endophenotype and phenotype in ADHD. *Behavioral and Brain Functions*, *4*, 4.
- Van der Rijken, R., Hulstijn-Dirkmaat, G., Kraaimaat, F., Nabuurs-Kohrman, L., Nijveld, A., Maassen, B. & Daniëls, O. (2008). Open-heart surgery at school age does not affect neurocognitive functioning. *European Heart Journal*, *29*, 2681-2688

2009

- Altink, M.E., Slaats-Willemse, D.I., Rommelse, N.N., Buschgens, C.J., Fliers, E.A., Arias-Vásquez, A., Xu, X., Franke, B., Sergeant, J.A., Faraone, S.V. & Buitelaar, J.K. (2009). Effects of maternal and paternal smoking on attentional control in children with and without ADHD. *European Child and Adolescent Psychiatry*, *18*, 465-475.
- Günther, T., Jolles, J., Herpertz-Dahlmann, B. & Konrad, K. (2009). Age-Dependent Differences in Attentional Processes in ADHD and Disruptive Behavior Disorder. *Developmental Neuropsychology*, *34*, 422-434.

- Markovska-Simoska, S. & Pop-Jordanova, N. (2009). *Contributions Macedonian Academy of Sciences and Arts, Section of Biological and Medical Sciences*, XXX(1), 167-178 (full text available at <http://www.manu.edu.mk/prilozi>).
- Rommelse, N.N.J., Altink, M.E., Fliers, E.A., Martin, N.C., Buschens, C.J.M., Hartman, C.A., Buitelaar, J.K., Faraone, S.V., Sergeant, J.A. & Oosterlaan, J. (2009). Comorbid problems in ADHD. Degree of association, shared endophenotypes, and formation of distinct subtypes. Implications for a future DSM. *Journal of Abnormal Child Psychology*, 37, 793-804.
- Rowbotham, I., Pit-ten Cate, I.M., Sonuga-Barke, E.J. & Huijbregts, S.C. (2009). Cognitive control in adolescents with neurofibromatosis type 1. *Neuropsychology*, 23, 50-60.
- Van Rijn, S., Aleman, A., de Sonneville, L. & Swaab, H. (2009). Cognitive mechanisms underlying disorganization of thought in a genetic syndrome (47,XXY). *Schizophrenia Research*, 112, 91-98.
- Van Rijn, S., Aleman, A., de Sonneville, L. & Swaab, H. (2009). Autism traits and schizotypal traits in a genetic syndrome ((47), XXY). The role of executive functioning. *Journal of Intellectual Disability Research*, 53, 837-837.
- Vinck, A., Mullaart, R., Rotteveel, J. & Maassen, B. (2009). Neuropsychological assessment of attention in children with spina bifida. *Cerebrospinal Fluid Research*, 6:6 doi:10.1186/1743-8454-6-6.
- Wagenaar, K., van Weissenbruch, M.M., Knol, D.L., Cohen-Kettenis, P.T., Delemarre-van deWaal, H.A. & Huisman, J. (2009). Information processing, attention and visual-motor function of adolescents born after in vitro fertilization compared with spontaneous conception. *Human Reproduction*, 24, 913-921.
- 2010
- Günther, T., Herpertz-Dahlmann, B. & Konrad, K. (2010). Sex Differences in Attentional Performance and Their Modulation by Methylphenidate in Children with Attention-Deficit/Hyperactivity Disorder. *Journal of Child and Adolescent Psychopharmacology*, 20, 179-186.
- Huijbregts, S.C.J., Jahja, R., De Sonneville, L.M.J., de Breij, S. & Swaab-Barneveld, H. (2010). Social information processing in children and adolescents with Neurofibromatosis Type 1. *Developmental Medicine & Child Neurology*, 52, 620-625.
- Huijbregts, S.C.J., Swaab-Barneveld, H. & de Sonneville, L.M.J. (2010). Cognitive and motor control in Neurofibromatosis Type I. Influence of maturation and hyperactivity-inattention. *Developmental Neuropsychology*, 35, 737-751.
- Markovska-Simoska, S. & Pop-Jordanova, N. (2010). Face and emotion recognition by ADHD and normal adults. *Acta Neuropsychologica*, 8, 99-122.
- Rijpert, M. (2010). *A nationwide follow-up study of children of women with type 1 diabetes mellitus* (PhD Thesis, Universiteit Utrecht).
- Van der Heijden, K.B., de Sonneville, L.M.J. & Althaus, M. (2010). Time-of-day effects on cognition in preadolescents. A TRAILS study. *Chronobiology International*, 27, 1870-1894.
- Van der Rijken, R., Hulstijn-Dirkmaat, G., Kraaimaat, F., Nabuurs-Kohrman, L., Daniëls, O. & Maassen, B. (2010). Evidence of impaired neurocognitive functioning in school-age children awaiting cardiac surgery. *Developmental Medicine & Child Neurology*, 52, 552-558.
- Vinck, A., Nijhuis-van der Sanden, M.W.G., Roeleveld, N.J.A. et al. (2010). Motor profile and cognitive functioning in children with spina bifida. *European Journal of Paediatric Neurology*, 14, 86-92.
- Vloet, T.D., Konrad, K., Herpertz-Dahlmann, B., Polier, G.G. & Günther, T. (2010). Impact of anxiety disorders on attentional functions in children with ADHD. *Journal of Affective Disorders*, 124, 283-290.
- 2011
- Arias-Vásquez, A., Altink, M.E., Rommelse, N.N., Slaats-Willems, D.I., Buschgens, C.J., Fliers, E.A., Faraone, S.V., Sergeant, J.A., Oosterlaan, J., Franke, B. & Buitelaar, J.K. (2011). CDH13 is associated with working memory performance in attention deficit/hyperactivity disorder. *Genes, Brain and Behavior*, 10, 844-851.

- Davidse, N.J., Jong, M.T. de, Bus, A.G., Huijbregts, S.C.J. & Swaab, H. (2011). Cognitive and environmental predictors of early literacy skills. *Reading and Writing*, 24, 395-412.
- Günther, T., Konrad, K., de Brito, S.A., Herpertz-Dahlmann, B. & Vloet, T.D. (2011). Attentional functions in children and adolescents with ADHD, depressive disorders, and the comorbid condition. *Journal of Child Psychology and Psychiatry*, 52, 324-331.
- Huijbregts, S.C.J. & de Sonnevile, L.M.J. (2011). Does cognitive impairment explain behavioural and social problems of children with neurofibromatosis type 1? *Behavior Genetics*, 41, 430-436.
- Polderman, T.J.C., Dongen, J. van & Boomsma, D.I. (2011). The relation between ADHD symptoms and fine motor control. A genetic study. *Child Neuropsychology*, 17, 138-150.
- Ten Hoedt, A.T., de Sonnevile, L.M.J., Francois, B., ter Horst, N.M., Janssen, M.C., Rubio-Gozalbo, M.E., Wijburg, F.A., Hollak, C.E. & Bosch, A.M. (2011). High phenylalanine levels directly affect mood and sustained attention in adults with phenylketonuria. A randomised, double-blind, placebo-controlled, crossover trial. *Journal of Inherited Metabolic Disease*, 34, 165-171.
- Van der Heijden, K.B., Suurland, J., Swaab-Barneveld, H. & de Sonnevile, L.M.J. (2011). Relationship between the number of life events and memory capacity in children. *Child Neuropsychology*, 41, 1815-1822.
- Van Eijsden, M., Vrijkkotte, T.G.M., Gemke, R.J.B.J. & van der Wal, M.F. (2011). Cohort Profile. The Amsterdam Born Children and their Development (ABCD) Study. *International Journal of Epidemiology*, 40, 1176-1186.
- Van Ewijk, H., van Lieshout, M., van der Meer, J. & Oerlemans, A. (2011). Attention-deficit/hyperactivity disorders (ADHD). Beloop van neuropsychologisch en gedragsmatig functioneren op gezinsniveau. *Tijdschrift voor Neuropsychologie*, 6: 38-45.
- Van Rijn, S., Aleman, A., de Sonnevile, L.M.J., Sprong, M., Ziermans, T., Schothorst, P., Engeland, H. van & Swaab-Barneveld, H. (2011). Misattribution of facial expressions of emotion in adolescents at increased risk of psychosis. The role of inhibitory control. *Psychological Medicine*, 41, 499-508.

2012

- Altink, M.E., Rommelse, N.N., Slaats-Willemse, D.I., Vázquez, A.A., Franke, B., Buschgens, C.J., Fliers, E.A., Faraone, S.V., Sergeant, J.A., Oosterlaan, J. & Buitelaar, J.K. (2012). The dopamine receptor D4 7-repeat allele influences neurocognitive functioning, but this effect is moderated by age and ADHD status. An exploratory study. *World Journal of Biological Psychiatry*, 13, 293-305.
- Daams, M., Schuitema, I., van Dijk, B.W., van Dulmen-den Broeder, E., Veerman, A.J., van den Bos, C. & de Sonnevile, L.M. (2012). Long-term effects of cranial irradiation and intrathecal chemotherapy in treatment of childhood leukemia. A MEG study of power spectrum and correlated cognitive dysfunction. *BMC Neurology*, 12(1), 84.
- De Kloet, A.J., Berger, M.A., Verhoeven, I.M., van Stein Callenfels, K. & Vlieland, T.P. (2012). Gaming supports youth with acquired brain injury? A pilot study. *Brain Injury*, 26, 1021-1029.
- De Kloet, A., Berger, M., Verhoeven, I., van Stein Callenfels, K. & Vlieland, T. (2012). Gaming supports youth with acquired brain injury? *Applied Research Today*, 1, 76-93.
- Eggers, K., de Nil, L.F. & van den Bergh, B.R.H. (2012). The Efficiency of attentional networks in children who stutter. *Journal of Speech Language and Hearing Research*, 55, 946-959.
- Frazier-Wood, A.C., Bralten, J., Arias-Vasquez, A., Luman, M., Oosterlaan, J., Sergeant, J., Faraone, S.V., Buitelaar, J., Franke, B., Kuntsi, J. & Rommelse, N.N. (2012). Neuropsychological intra-individual variability explains unique genetic variance of ADHD and shows suggestive linkage to chromosomes 12, 13, and 17. *American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics*, 159B, 131-140.
- Griffith-Lending, M.F., Huijbregts, S.C., Vollebergh, W.A. & Swaab, H. (2012). Motivational and cognitive inhibitory control in recreational cannabis users. *Journal of Clinical and Experimental Neuropsychology*, 34, 688-697.
- Harakeh, Z., de Sonnevile, L., van den Eijnden, R.J.J.M., Huizink, A.C., Reijneveld, S.A., Ormel, J., Verhulst, F.C., Monshouwer, K. & Vollebergh, W.A.M. (2012). The association between neurocognitive functioning and smoking in adolescence. The TRAILS study. *Neuropsychology*, 26, 541-550.

- Lapshin, H., O'Connor, P., Lanctôt, K.L. & Feinstein, A. (2012). Computerized cognitive testing for patients with multiple sclerosis. *Multiple Sclerosis and Related Disorders*, 1, 196-201.
- Loomans, E.M., van der Stelt, O., van Eijsden, M., Gemke, R.J.B.J., Vrijkotte, T.G.M. & van den Bergh, B.R.H. (2012). High Levels of Antenatal Maternal Anxiety are Associated With Altered Cognitive Control in Five-Year-Old Children. *Developmental Psychobiology*, 54, 441-450.
- Mesotten, D., Gielen, M., Sterken, C., Claessens, K., Hermans, G., Vlasselaers, D., Lemiere, J., Lagae, L., Gewillig, M., Eyskens, B., Vanhorebeek, I., Wouters, P.J. & van den Berghe, G. (2012). Neurocognitive development of children 4 years after critical illness and treatment with tight glucose control. A randomized controlled trial. *JAMA*, 308, 1641-1650.
- Ruland, A., Willmes, K. & Günther, T. (2012). Zusammenhang zwischen Aufmerksamkeitsdefiziten und Lese- Rechtschreibschwäche. *Kindheit und Entwicklung*, 21, 57-63.
- Van der Meer, J.M., Oerlemans, A.M., van Steijn, D.J., Lappenschaar, M.G., de Sonnevile, L.M., Buitelaar, J.K. & Rommelse, N.N. (2012). Are autism spectrum disorder and attention-deficit/hyperactivity disorder different manifestations of one overarching disorder? Cognitive and symptom evidence from a clinical and population-based sample. *Journal of the American Academy of Child & Adolescent Psychiatry*, 51, 1160-1172.
- Van Deurzen, P.A., Buitelaar, J.K., Brunnekreef, J.A. et al. (2012). Response time variability and response inhibition predict affective problems in adolescent girls, not in boys. The TRAILS study *European Child & Adolescent Psychiatry*, 21, 277-287.
- Van Handel, M., de Sonnevile, L.M.J., Vries, L.S., Jongmans, M.J. & Swaab, H. (2012). Specific memory impairment following neonatal encephalopathy in term-born children. *Developmental Neuropsychology*, 37, 30-50.
- Van de Weijer-Bergsma, E., Formsma, A.R., Bruin, E.I. & Bögels, S.M. (2012). The Effectiveness of Mindfulness Training on Behavioral Problems and Attentional Functioning in Adolescents with ADHD. *Journal of Child and Family Studies*, 21, 775-787.

2013

- Barneveld, P.S., de Sonnevile, L., van Rijn, S., van Engeland, H. & Swaab, H. (2013). Impaired inhibition in autism spectrum disorders, a marker of vulnerability for schizophrenia spectrum disorders? *Journal of the International Neuropsychological Society*, 19, 646-655.
- Bloemsma, J.M., Boer, F., Arnold, R., Banaschewski, T., Faraone, S.V., Buitelaar, J.K., Sergeant, J.A., Rommelse, N. & Oosterlaan, J. (2013). Comorbid anxiety and neurocognitive dysfunctions in children with ADHD. *European Child and Adolescent Psychiatry*, 4, 225-234.
- Finken, M.J., van Eijsden, M., Loomans, E.M., Vrijkotte, T.G.M. & Rotteveel, J. (2013). Maternal Hypothyroxinemia in Early Pregnancy Predicts Reduced Performance in Reaction Time Tests in 5- to 6-Year-Old Offspring. *The Journal of Clinical Endocrinology & Metabolism*, 98, 1417-1426.
- Griffith-Lendering, M. (2013). *Cannabis use, cognitive functioning and behaviour problems* (PhD Thesis, Universiteit Leiden).
- Potharst, E.S., van Wassenaer-Leemhuis, A.G., Houtzager, B.A., Livesey, D., Kok, J.H., Last, B.F. & Oosterlaan, J. (2013). Perinatal risk factors for neurocognitive impairments in preschool children born very preterm. *Developmental Medicine & Child Neurology*, 55, 178-184.
- Schuitema, I., Deprez, S., van Hecke, W., Daams, M., Uyttebroeck, A., Sunaert, S., van den Bos, C., Veerman, A. & de Sonnevile, L. (2013). Accelerated aging, decreased white matter integrity and associated cognitive dysfunction 25 years after treatment for childhood acute lymphoblastic leukemia. *Journal of Clinical Oncology*, 33, 3378-3388.
- Ter Wolbeek, de Sonnevile, L.M.J., de Vries, W.B., Kavelaars, A., Veen, S., Kornelisse, R.F., van Weissenbruch, M., Baerts, W., Liem, K., van Bel, F. & Heijnen, C.J. (2013). Early life intervention with glucocorticoids has negative effects on motor development and neuropsychological function in 14-17 year-old adolescents. *Psychoneuroendocrinology*, 38, 975-986.
- Van der Heiden, K.B., de Sonnevile L.M. & Swaab, H. (2013). Association of eveningness with problem behavior in children, a mediating role of impaired sleep. *Chronobiology International*, 7, 919-929.

- Van Rijn, S., de Sonnevile, L., Lahuis, B., Pieterse, J., van Engeland, H. & Swaab, H. (2013). Executive Function in MCDD and PDD-NOS. A Study of inhibitory control, attention regulation and behavioral adaptivity. *Journal of Autism and Developmental Disorders*, 43, 1356-1366.
- Zmigrod, S., de Sonnevile, L.M.J., Colzato, L.S., Swaab, H. & Hommel, B. (2013). Cognitive control and flexibility in feature binding. Evidence from children with autistic spectrum disorder. *Psychological Research-Psychologische Forschung*, 77, 147-154.

Epub ahead of print

- Günther, T., Knospe, E. L., Herpertz-Dahlmann, B. & Konrad, K. (2012 [Epub ahead of print]). Sex differences in attentional performance in a clinical sample with ADHD of the Combined Subtype. *Journal of Attention Disorders*.
- Oerlemans, A.M., Droste, K., van Steijn, D., de Sonnevile, L.M.J., Buitelaar, J.K. & Rommelse, N.N.J. (2013 [Epub ahead of print]). Co-segregation of social cognition, executive function and local processing style in children with ASD, their siblings and normal controls. *Journal of Autism and Developmental Disorders*.
- Oerlemans, A.M., van der Meer, J.M.J., van Steijn, D.J., de Ruiter, S.W., de Bruijn, Y.G.E., de Sonnevile, L.M.J., Buitelaar, J.K. & Rommelse, N.N.J. (2013 [Epub ahead of print]). Recognition of facial emotion and affective prosody in children with ASD (+ADHD) and their unaffected siblings. *European Child and Adolescent Psychiatry*.
- Thissen, A.J.A.M., Rommelse, N.N.J., Altink, M.E., Oosterlaan, J. & Buitelaar, J.K. (2013 [Epub ahead of print]). Parent-of-Origin Effects in ADHD: Distinct Influences of Paternal and Maternal ADHD on Neuropsychological Functioning in Offspring. *Journal of Attention Disorders*.
- Van der Meer, J.M.J., Harftekamp, M., van de Loo, G., Althaus, M., Rogier, A., Donders, T., de Sonnevile, L.M.J., de Ruiter, S.W., van der Gaag, R.J., Buitelaar, J.K., Hoekstra, P.J. & Rommelse, N.N.J. (2013 [Epub ahead of print]). A Randomized, Double-blind Comparison of Atomoxetine and Placebo on Response Inhibition and Interference Control in Children and Adolescents with Autism Spectrum Disorder and comorbid Attention-Deficit/Hyperactivity Disorder. *Journal of Clinical Psychopharmacology*, 33.

Submitted

- Hartman, C.A., Brunnekreef, J.A., de Sonnevile, L.M.J., Buitelaar, J.K., Ormel, J., Minderaa, R.B., Hoekstra, P.J. & Althaus, M. (submitted). Inefficient cognitive processing in children with Autism Spectrum problems from the general population. The TRAILS study.
- Huijbregts, S.C.J., Griffith-Lendering, M.F.H., Vollebergh, W.A.M. & Swaab, H. (submitted). Quality of social perception moderates associations between cannabis use and psychological problems.
- Jahja, R., Huijbregts, S.C.J., de Sonnevile, L.M.J., van der Meere, J.J. & van Spronsen, F.J. (submitted). Neurocognitive evidence for revision of treatment targets and guidelines for Phenylketonuria?