Neurodevelopmental impact of sex chromosome trisomy in young children: the regulation of emotion, cognition, and behavior

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Curriculum Vitae

Kimberly Kuiper werd geboren op 9 augustus 1990 te Haarlem. Na het behalen van haar vwo diploma aan de KSH in 2008, begon zij aan de bachelor Pedagogische Wetenschappen aan de Universiteit Leiden waarna zij aansluitend de tweejarige Research Master 'Developmental Psychopathology in Education and Child Studies' met genoegen afrondde bij de afdeling Orthopedagogiek in 2013. Gedurende de Research Master heeft Kimberly een klinische stage doorlopen op het Ambulatorium (spreekuur *neuropedagogiek*), verbonden aan de Universiteit Leiden. Gelijktijdig doorliep Kimberly een onderzoeksstage bij het 'Preventief Interventie Team', waar zij na het behalen van het masterdiploma als onderzoeksmedewerker aan de Universiteit Leiden werkzaam bleef. Naast deze aanstelling was Kimberly betrokken als docent en coördinator binnen de bachelor- en masteropleiding van de afdeling Orthopedagogiek en werkte zij tevens als project onderzoeker bij de Universiteit van Amsterdam. In 2017 startte Kimberly als deelnemer aan de ambitieuze Topklas: een traject waarin zij binnen een periode van zes jaar naast aaneengesloten de opleiding tot gezondheidszorgpsycholoog (GZ) en psychologisch specialist (klinisch neuropsycholoog KNP) tevens werd opgeleid tot klinisch-wetenschappelijk onderzoeker, door het tot stand brengen van een academisch proefschrift. Het centrale thema van het onderzoek was om meer inzicht te krijgen in ontwikkelingsrisico's op het gebied van de zelfregulatie van jonge kinderen met een extra geslachtschromosoom. De resultaten van dit onderzoek staan beschreven in dit proefschrift. Binnen dit onderzoek werkte Kimberly nationaal en internationaal samen met collega onderzoekers en clinici van onder andere de eXtraordinarY Kids Clinic van Children's Hospital Colorado (Denver, Colorado, Verenigde Staten) en was zij samen met haar collega promovendi verantwoordelijk voor de (internationale) data-management en training van (student)onderzoekers. Naast haar aanstelling als promovendus werkte Kimberly tegelijkertijd binnen de specialistische geestelijke gezondheidszorg (ggz) bij het Leids Universitair Behandel- en Expertisecentrum (LUBEC, voormalig Ambulatorium) van de Universiteit Leiden in verschillende teams. Hier behaalde Kimberly in 2019 haar klinische registraties als GZ-psycholoog en Orthopedagoog-Generalist alvorens zij startte aan de opleiding tot Klinisch Neuropsycholoog. Tijdens haar werkzaamheden droeg Kimberly een significante bijdrage aan het innoveren van het TRIXY Expertisecentrum

(bovenregionaal expertisecentrum op het gebied van de X en Y chromosomaal gebonden stoornissen) als ook het vertalen van wetenschappelijke kennis naar de klinische praktijk en patiëntenzorg. Zij verzorgde lezingen, organiseerde samen met collega's een internationaal congres, hielp mee aan het handboek 'Opgroeien met een extra X of Y chromosoom', schreef mee aan brochures en psycho-educatie materiaal voor kinderen, ouders en volwassenen, en was redacteur voor verschillende nieuwsbrieven vanuit het centrum. Hiernaast heeft Kimberly voortdurend een rol gespeeld in het verzorgen van onderwijs in verschillende master- en post-masteropleidingen op het gebied van intelligentie en neuropsychologische diagnostiek en genetische aandoeningen, aan de Universiteit van Leiden als ook de RINO Groep. In juli 2023 behaalde Kimberly haar registratie als klinisch specialist, waarmee het Topklas traject tot een succesvol einde is gekomen. Kimberly zal haar werkzaamheden, zowel onderzoek als klinisch werk, voortzetten binnen de Universiteit Leiden (TRIXY Expertisecentrum en LUBEC) onder de positie van klinisch neuropsycholoog.

List of Publications

Journals

Kuiper, K.C., Swaab, H., Tartaglia, N., & van Rijn, S. (2021). Early developmental impact of sex chromosome trisomies on Attention Deficit-Hyperactivity Disorder symptomology in young children. *American Journal of Medical Genetics Part A, 185*(12), 3664-3674. https://doi.org/10.1002/ajmg.a.62418

Kuiper, K.C., Swaab, H., Tartaglia, N., van Buggenhout, G., Wouters, C., & van Rijn, S. (2022). The developmental impact of sex chromosome trisomies on emerging executive functions in young children: Evidence from neurocognitive tests and daily life skills. *Genes, Brain and Behavior, 21*(6). https://doi.org/10.1111/gbb.12811

Kuiper, K.C., Swaab, H., Tartaglia, N., Cordeiro, L., & van Rijn, S. (2022). Emotional reactivity and expressivity in young children with sex chromosome trisomies: Evidence from psychophysiological and observational data. *Child Neuropsychology*. https://doi.org/10.1080/09297049.2022.2102161

Kuiper, K.C., Swaab, H., Tartaglia, N., & van Rijn, S. (2023). (Not) getting what you want: Frustration and emotion regulation in young children with sex chromosome trisomies. *Endocrine Connections (published online ahead of print 2023), EC-22-0442. Retrieved Apr 23, 2023, from https://doi.org/10.1530/EC-22-0442*

Van Rijn, S., **Kuiper, K.C.,** Urbanus, E.L., Bouw, J.C., & Swaab, H. (2023). Neurocognitive and behavioral development in young children (1-7 years) with Sex Chromosome Trisomy. *Endocrine Connections, 12(5), e220494. Retrieved Apr 23, 2023, from https://doi.org/10.1530/EC-22-0494*

Abstracts

Kuiper, K.C., Bouw, J.C., Swaab, H., & van Rijn, S. (June 24-25, 2017). *Social skills and emotion regulation in young children with sex chromosome trisomy.* AXYS 2017 Family Conference, Denver (CO), USA.

Kuiper, K.C., Urbanus, E.L., Swaab, H. & van Rijn, S. (September 9-10, 2017). *Social attention in young children with sex chromosome trisomies: A case study.* Society for the Study of Behavioral Phenotypes (SSBP) Conference, Leiden, The Netherlands.

Kuiper, K.C., Swaab, H., & van Rijn, S. (September 20-21, 2018). *Social, emotional, and behavioral problems in individuals with Klinefelter Syndrome (47,XXY): A focus on underlying neurocognitive mechanisms.* European Pediatric Psychology Conference (EPPC), Ghent, Belgium.

Kuiper, K.C., Swaab, H., Tartaglia, N., & van Rijn, S. (April 11, 2019). *Growing up with an extra X or Y chromosome (an overview of the TRIXY study).* Psychologist specialist conference, Utrecht, Nederland.

Kuiper, K.C., Swaab, H., Tartaglia, N., & van Rijn, S. (June 21-27, 2021). *Self-regulation in young children with an extra X or Y chromosome.* AXYS 2021 Virtual Family Conference, online conference.

Kuiper, K. C., Swaab, H., Tartaglia, N., van Buggenhout, G., Wouters, C., & van Rijn, S. (September 9-10, 2021). *Executive functions in children with an extra X or Y chromosome.* Society for the Study of Behavioral Phenotypes (SSBP) conference, online conference.

Kuiper, K.C., Swaab, H., Tartaglia, N., & van Rijn, S. (September 12-14, 2022). *The developmental impact of SCT on self-regulation skills in early childhood.* Third International Workshop on X and Y Chromosome Trisomies, Leiden, the Netherlands.

Kuiper, K.C., Swaab, H., Tartaglia, N., & van Rijn, S. (November, 2022). *Emotion regulation strategies in the context of frustration of young children with SCT.* Nederlandse Vereniging voor Neuropsychologie (NVN), Maastricht, the Netherlands.

Kuiper, K.C., Swaab, H., Tartaglia, N., Cordeiro, L., & van Rijn, S. (November, 2022). *Emotional reactivity and expressivity in young children with sex chromosome trisomies.* Masterclass David Page – The Anatomical Lesson, Amsterdam, the Netherlands.

Dankwoord

'Which is more important,' asked Big Panda, 'the journey or the destination?'.
'The company', said Tiny Dragon. (James Norbury, 2021)

Op deze plek wil ik graag hen bedanken die hebben bijgedragen aan de totstandkoming van dit proefschrift.

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