New neuroimaging approaches in Parkinson's disease

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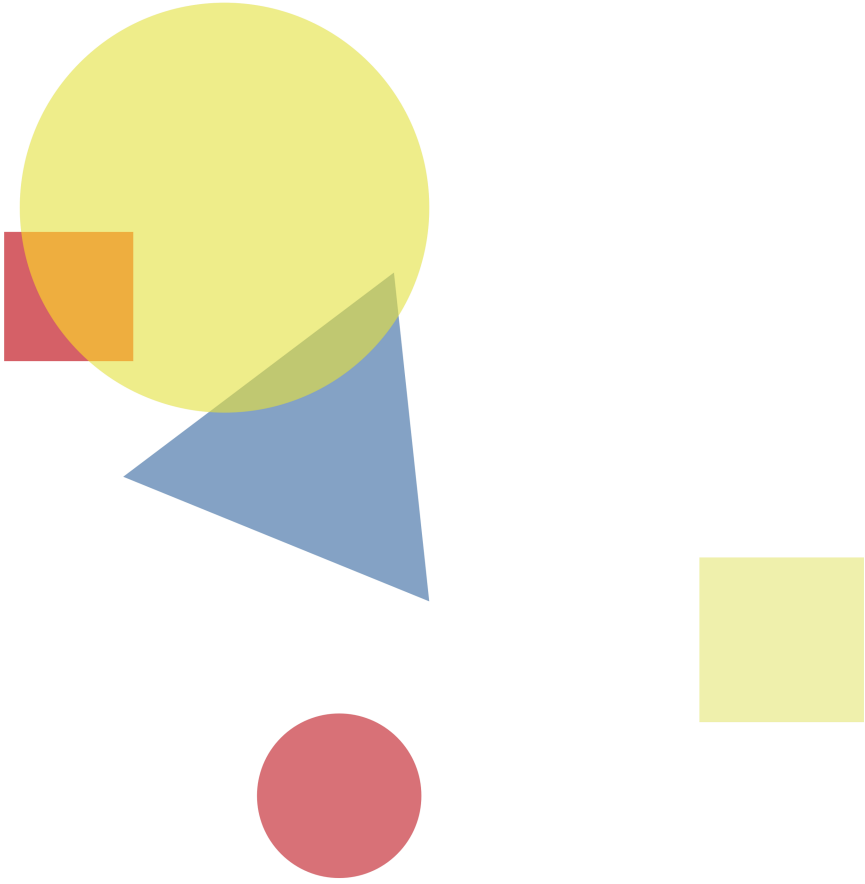
Appendices



ABBREVIATIONS

AD	Alzheimer's disease
Alpha-SynA	Alpha-synuclein aggregates
AUC	Area under the curve
BOLD	Blood oxygen level dependent
C-ICA	Cluster-wise independent component analysis
DA	Dopamine agonists
DLB	Dementia with Lewy bodies
DMN	Default mode network
DTI	Diffusion tensor imaging
DWI	Diffusion-weighted imaging
ECM	Eigenvector centrality mapping
EEG	Electroencephalography
FA	Fractional anisotropy
FFC	Full correlation functional connectivity
FFD	Full correlation functional connectivity dynamics
FLAIR	Fluid attenuated inversion recovery
fMRI	Functional magnetic resonance imaging
FOV	Field of view
FSL	FMRIB's software library
FWE	Familywise error
ICA-AROMA	Independent component analysis based automatic removal of motion artifacts
LDE-Dopa	Levodopa dose equivalent of daily levodopa
LLS	Leiden Longevity study
LUMC	Leiden University Medical Center
MC-FLIRT	Motion correction FMRIB's linear image registration tool
MD	Mean diffusivity
MDS-UPDRS	Movement Disorder Society unified Parkinson's disease rating scale
MEG	Magnetoencephalography
MMSE	Mini-mental state examination
MNI	Montreal Neurological Institute
MTI	Magnetization transfer imaging
MTR	Magnetization transfer ratio
NAWM	Normal appearing white matter

PD	Parkinson's disease
PET	Positron-emission tomography
PFC	Partial correlation functional connectivity
PFD	Partial correlation functional connectivity dynamics
PPMI	Parkinson's progression markers initiative
PROPARK	Profiling Parkinson's disease
ROC	Receiver operator characteristic
SCN	Structural covariance network
SCOPA-COG	Scales for outcomes in Parkinson's disease - cognition
SCOPA-PC	Scales for outcomes in Parkinson's disease – psychiatric complications
SENS-PD	Severity of non-dopaminergic symptoms in Parkinson's disease
SIENAX	Structural image evaluation using normalization of atrophy cross-sectional
SMA	Supplementary motor area
TBSS	Tract-based spatial statistics
TE	Echo time
TFCE	Threshold-free cluster enhancement
TR	Repetition time
VBM	Voxel-based morphometry
WMH	White matter hyperintensity

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DANKWOORD

Graag wil ik iedereen bedanken die heeft bijgedragen aan de totstandkoming van dit proefschrift. Het was een periode waarin ik veel heb geleerd. Mijn dank gaat uit naar alle deelnemers van dit onderzoek. Heel erg bedankt dat jullie bereid waren deel te nemen. Zonder jullie data was dit onderzoek er niet geweest, en daarnaast heb ik mogen zien hoe divers de ziekte van Parkinson kan verlopen. Natuurlijk wil ik ook graag alle de neurologen bedanken die me met deze mensen in contact hebben gebracht.

Bob, bedankt dat me hebt aangenomen. Daarnaast heel erg bedankt voor je enthousiasme en je capaciteit om altijd te denken in (veel) mogelijkheden, ook toen ik twijfelde over de opleiding neurologie. Han, naast je epidemiologische kennis en snelle werk, zorgde je op de juiste momenten voor nuancering. Jeroen, dank, voor onze wekelijkse gesprekken, over onderzoek doen en alles daarbuiten. Hanneke, dank je voor je inzet, je interesse en het aandragen van patiënten voor ons onderzoek.

Gerty en Gerda, ik heb ontzettend veel aan jullie hulp gehad en ik ben vaak even binnen gelopen voor een praatje of een vraag. Anne, Frank, Mark en Annette: hartelijk dank voor jullie hulp met MRI-data-analyse. Daarnaast wil ik graag alle andere mensen van de afdelingen neurologie en radiologie bedanken die hebben geholpen met dit project.

Lieve kamergenoten van C2-192, ik heb echt een hele leuke tijd gehad in de "bunker". Alle mensen van het Gortercentrum wil ik graag bedanken voor de warme opname in de groep. Lieve mede-onderzoekers van de afdeling neurologie, bedankt voor de gezelligheid en natuurlijk de koffiecartoons. Linda, dankjewel voor je enthousiasme en je hulp bij wetenschappelijke vraagstukken, ook al voor mijn tijd in Leiden. Dankjewel ook aan alle andere mensen die me geënthousiasmeerd hebben voor het doen van wetenschappelijk onderzoek.

Dankjewel lieve vrienden voor alle support door de jaren heen (pieken en dalen!).

Lieve papa en mama, lieve zusjes, heel veel dank voor alle keren dat jullie me raad gaven, mijn horizon verbreedden of simpelweg luisterden en steeds vertrouwen in me hadden. Elbert, jij hebt in elk geval nooit ergens over getwijfeld, wat ik als erg geruststellend heb ervaren. Tot slot lieve kleine Julius, jij plaatst alles weer in perspectief.

CURRICULUM VITAE

Laura Jansje de Schipper was born on the 28th of February 1988 in Knokke-Heist, Belgium. She was raised in West-Zeeuws Vlaanderen. After graduating cum laude at the Zeldenrust-Steelantcollege in Terneuzen in 2006, she moved to Amsterdam to study Medicine at the VU University in Amsterdam. During her studies she enjoyed doing research at the Department of Neurology and the Department of Psychiatry concerning functional neurological movement disorders. This resulted in her first publication and she developed a special interest in neurological movement disorders. She obtained her medical degree in 2012, after which she worked as a physician at the Department of Neurology of the Kennemer Gasthuis hospital in Haarlem. In 2014 she started her PhD research at the Leiden University Medical Center at the Department of Neurology and the Department of Radiology under the supervision of professor J.J. van Hilten, Dr. J. Marinus and Dr. J. van der Grond. This project was focused on advanced neuroimaging approaches in Parkinson's disease and resulted in the publication of this thesis, as a part of the Profiling Parkinson's disease (PROPARK) study. Laura is currently working at "Stichting Eerstelijns Zorggroep". The main focus of her work is to enhance primary care programs for patients with chronic disease.