

**Publications List: Ontario Neurodegenerative Disease Research Initiative (ONDRI)  
As of May 31, 2023\***

	Year	Lead Author	Title	Journal
1	2013	Lam B, <i>et al</i>	<a href="#">Clinical, imaging, and pathological heterogeneity of the Alzheimer's disease syndrome</a>	Alzheimer's Research & Therapy
2	2015	Jahani-Asi, A, <i>et al</i>	<a href="#">CDK5 phosphorylates DRP1 and drives mitochondrial defects in NMDA-induced neuronal death</a>	Human Molecular Genetics
3	2015	Moszczynski JA, <i>et al</i>	<a href="#">Thr(175)-phosphorylated tau induces pathologic fibril formation via GSK3 beta-mediated phosphorylation of Thr(231) in vitro</a>	Neurobiology of Aging
4	2015	Swartz R, <i>et al</i>	<a href="#">The Ontario Neurodegenerative Disease Research Initiative (ONDRI) study: Vascular Cognitive Impairment (VCI) cohort rationale and design</a>	International Journal of Stroke
5	2016	Farhan, SMK, <i>et al</i>	<a href="#">The ONDRISeq panel: custom-designed next-generation sequencing of genes related to neurodegeneration</a>	NPJ Genomic Medicine
6	2017	Lam B, <i>et al</i>	<a href="#">Characterizing familial corticobasal syndrome due to Alzheimer's disease pathology and PSEN1 mutations</a>	Alzheimer's & Dementia
7	2017	Montero-Odasso M, <i>et al</i>	<a href="#">Motor Phenotype in Neurodegenerative Disorders: Gait and Balance Platform Study Design Protocol for the Ontario Neurodegenerative Research Initiative (ONDRI)</a>	Journal of Alzheimer's Disease
8	2017	Huang E, <i>et al</i>	<a href="#">PINK1-mediated phosphorylation of LETM1 regulates mitochondrial calcium transport and protects neurons against mitochondrial stress</a>	Nature Communications
9	2017	Swardfager W, <i>et al</i>	<a href="#">Peripheral lipid oxidative stress markers are related to vascular risk factors and subcortical small vessel disease</a>	Neurobiology of Aging
10	2017	Farhan S, <i>et al</i>	<a href="#">The Ontario Neurodegenerative Disease Research Initiative (ONDRI)</a>	The Canadian Journal of Neurological Science
11	2017	Ryota S, <i>et al</i>	<a href="#">Apolipoprotein E4 Allele and Gait Performance in Mild Cognitive Impairment: Results From the Gait and Brain Study</a>	The Journal of Gerontology
12	2017	Sakurai R, <i>et al</i>	<a href="#">Association between Hypometabolism in the Supplementary Motor Area and Fear of Falling in Older Adults</a>	Frontiers in Aging Neuroscience
13	2018	Iaboni A, <i>et al</i>	<a href="#">A Palliative Approach to Falls in Advanced Dementia</a>	The American Journal of Geriatric Psychiatry
14	2018	Kielar A, <i>et al</i>	<a href="#">Abnormal language-related oscillatory responses in primary progressive aphasia</a>	Neuroimage: Clinical
15	2018	Warrick N, <i>et al</i>	<a href="#">Care of community-dwelling older adults with dementia and their caregivers</a>	CMAJ
16	2018	Sapkota S, <i>et al</i>	<a href="#">Clinical dementia severity associated with ventricular size is differentially moderated by cognitive reserve in men and women</a>	Alzheimer's Research & Therapy
17	2018	Espay AJ, <i>et al</i>	<a href="#">Impaired emotion processing in functional (psychogenic) tremor: A functional magnetic resonance imaging study</a>	Neuroimage: Clinical
18	2018	Berezuk C, <i>et al</i>	<a href="#">Managing money matters: Managing finances is associated with functional independence in MCI</a>	International Journal of Geriatric Psychiatry
19	2018	Ballerini L, <i>et al</i>	<a href="#">Perivascular Spaces Segmentation in Brain MRI Using Optimal 3D Filtering</a>	Scientific Reports

20	2018	Kim KS, <i>et al</i>	<a href="#">Regulation of myeloid cell phagocytosis by LRRK2 via WAVE2 complex stabilization is altered in Parkinson's disease</a>	Proceedings of the National Academy of Science of the USA
21	2018	Davies S, <i>et al</i>	<a href="#">Sequential drug treatment algorithm for agitation and aggression in Alzheimer's and mixed dementia</a>	Journal of Psychopharmacology
22	2018	Nikolova YS, <i>et al</i>	<a href="#">Shifting priorities: highly conserved behavioral and brain network adaptations to chronic stress across species</a>	Translational Psychiatry
23	2018	Moszczynski AJ, <i>et al</i>	<a href="#">Somatic Gene Transfer Using a Recombinant Adenoviral Vector (rAAV9) Encoding Pseudophosphorylated Human Thr(175) Tau in Adult Rat Hippocampus Induces Tau Pathology</a>	Journal of Neuropathology & Experimental Neurology
24	2018	Dillio A, <i>et al</i>	<a href="#">Targeted Next-generation Sequencing and Bioinformatics Pipeline to Evaluate Genetic Determinants of Constitutional Disease</a>	Journal of Visualized Experiments
25	2018	Freedman M, <i>et al</i>	<a href="#">The Toronto Cognitive Assessment (TorCA): normative data and validation to detect amnesic mild cognitive impairment</a>	Alzheimer's Research & Therapy
26	2018	Pieruccini-Faria F, <i>et al</i>	<a href="#">Mild Cognitive Impairment Affects Obstacle Negotiation in Older Adults: Results from "Gait and Brain Study"</a>	Gerontology
27	2018	Raamana PR, <i>et al</i>	<a href="#">mrvivis: Medical image visualization library for neuroscience in python</a>	The Journal of Open Source Software
28	2018	Mohaddes Z, <i>et al</i>	<a href="#">National Neuroinformatics Framework for Canadian Consortium on Neurodegeneration in Aging (CCNA)</a>	Frontiers in Neuroinformatics
29	2018	Pieruccini-Faria F, <i>et al</i>	<a href="#">Do depressive symptoms affect balance in older adults with mild cognitive impairment? Results from the "gait and brain study"</a>	Experimental Gerontology
30	2019	Haddad, SM, <i>et al</i>	<a href="#">Comparison of quality control methods for automated diffusion tensor imaging analysis pipelines</a>	PLoS one
31	2019	Young J, <i>et al</i>	<a href="#">Expanding current understandings of epistemic injustice and dementia: Learning from stigma theory</a>	Journal of Aging Studies
32	2019	Zhang M, <i>et al</i>	<a href="#">Genetic and epigenetic study of an Alzheimer's disease family with monozygotic triplets</a>	Brain
33	2019	Dillio A, <i>et al</i>	<a href="#">Genetic Variation in the Ontario Neurodegenerative Disease Research Initiative</a>	The Canadian Journal of Neurological Science
34	2019	Popkirov s, <i>et al</i>	<a href="#">Hiding in Plain Sight: Functional Neurological Disorders in the News</a>	The Journal of Neuropsychiatry & Clinical Neurosciences
35	2019	Chu RK, <i>et al</i>	<a href="#">Interhemispheric connectivity during lateralized lexical decision</a>	Human Brain Mapping
36	2019	Robertson A, <i>et al</i>	<a href="#">Orthostatic hypotension and dementia incidence: links and implications</a>	Neuropsychiatric Disease & Treatment
37	2019	Herrmann N, <i>et al</i>	<a href="#">Randomized Placebo-Controlled Trial of Nabilone for Agitation in Alzheimer's Disease</a>	American Journal of Geriatric Psychiatry
38	2019	McCunn P, <i>et al</i>	<a href="#">Reproducibility of Neurite Orientation Dispersion and Density Imaging (NODDI) in rats at 9.4 Tesla</a>	PLoS One
39	2019	Johnston TH, <i>et al</i>	<a href="#">Repurposing drugs to treat L-DOPA-induced dyskinesia in Parkinson's disease</a>	Neuropharmacology

40	2019	Shah-Basak P, <i>et al</i>	<a href="#">Spontaneous oscillatory markers of cognitive status in two forms of dementia</a>	Human Brain Mapping
41	2019	Duchesne S, <i>et al</i>	<a href="#">Structural and functional multi-platform MRI series of a single human volunteer over more than fifteen years</a>	Scientific Data
42	2019	Moszczynski AJ, <i>et al</i>	<a href="#">Synergistic toxicity in an in vivo model of neurodegeneration through the co-expression of human TDP-43(M337V) and tau(T175D) protein</a>	Acta Neuropathological Communications
43	2019	Potvin O, <i>et al</i>	<a href="#">The Canadian Dementia Imaging Protocol: Harmonization validity for morphometry measurements</a>	Neuroimage: Clinical
44	2019	Duchesne S, <i>et al</i>	<a href="#">The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts</a>	Journal of Magnetic Resonance Imaging
45	2019	Rajalingam R. <i>et al</i>	<a href="#">The clinical significance of lower limb tremors</a>	Parkinsonism & Related Disorders
46	2019	Chertkow H, <i>et al</i>	<a href="#">The Comprehensive Assessment of Neurodegeneration and Dementia: Canadian Cohort Study</a>	The Canadian Journal of Neurological Sciences
47	2019	Sunderland K, <i>et al</i>	<a href="#">The utility of multivariate outlier detection techniques for data quality evaluation in large studies: an application within the ONDRI project</a>	BMC Medical Research Methodology
48	2019	Wong B, <i>et al</i>	<a href="#">Validation of Optical Coherence Tomography Retinal Segmentation in Neurodegenerative Disease</a>	Translational Vision Science & Technology
49	2019	Cullent S, <i>et al</i>	<a href="#">Are Cognitive Subtypes Associated with Dual-Task Gait Performance in a Clinical Setting?</a>	Journal of Alzheimer's Disease
50	2019	Kielar A, <i>et al</i>	<a href="#">Slowing is slowing: Delayed neural responses to words are linked to abnormally slow resting state activity in Primary Progressive Aphasia.</a>	Neuropsychologia
51	2020	Ozzoude M, <i>et al</i>	<a href="#">Cortical Thickness Estimation in Individuals With Cerebral Small Vessel Disease, Focal Atrophy, and Chronic Stroke Lesions</a>	Frontiers in Neuroscience
52	2020	Maclagan L, <i>et al</i>	<a href="#">Identifying drugs with disease-modifying potential in Parkinson's disease using artificial intelligence and pharmacoepidemiology</a>	Pharmacoepidemiology & Drug Safety
53	2020	Zaidi K-B, <i>et al</i>	<a href="#">Methods for Improving Screening for Vascular Cognitive Impairment Using the Montreal Cognitive Assessment</a>	Canadian Journal of Neurological Sciences
54	2020	Ramirez J, <i>et al</i>	<a href="#">Ontario Neurodegenerative Disease Research Initiative (ONDRI): Structural MRI Methods and Outcome Measures</a>	Frontiers in Neurology
55	2020	Maclagan L, <i>et al</i>	<a href="#">Sex Differences in Antipsychotic and Benzodiazepine Prescribing Patterns: A Cohort Study of Newly Admitted Nursing Home Residents with Dementia in Ontario, Canada</a>	Drugs & Aging
56	2020	Yu A, <i>et al</i>	<a href="#">Sex Differences in Care Need and Survival in Patients Admitted to Nursing Home Poststroke</a>	Canadian Journal of Neurological Sciences
57	2020	Kapoor A, <i>et al</i>	<a href="#">Structural Brain Magnetic Resonance Imaging to Rule Out Comorbid Pathology in the Assessment of Alzheimer's Disease Dementia: Findings from the Ontario Neurodegenerative Disease Research Initiative (ONDRI) Study and Clinical Trials Over the Past 10 Years</a>	Journal of Alzheimer's Disease

58	2020	McLaughlin P, <i>et al</i>	<a href="#">The Quality Assurance and Quality Control Protocol for Neuropsychological Data Collection and Curation in the Ontario Neurodegenerative Disease Research Initiative (ONDRI) Study</a>	Sage Journals
59	2020	De Felice FG, <i>et al</i>	<a href="#">Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the central nervous system</a>	Trends in Neuroscience
60	2020	Bronskill SE, <i>et al</i>	<a href="#">Trajectories of health system use and survival for community dwelling persons with dementia: a cohort study</a>	BMJ Open
61	2020	Sakurai R, <i>et al</i>	<a href="#">Abnormal brain structure mediates the association between ApoE4 and slow gait among patients with pathological cognitive impairment: Results from the Ontario Neurodegenerative Research Initiative</a>	Alzheimer's & Dementia
62	2020	Pieruccini-Faria F, <i>et al</i>	<a href="#">Dual-Task Gait Cost and Frontal Lobe Integrity in Poststroke: Results From ONDRI</a>	Innovation in Aging
63	2020	Haddad, SM, <i>et al</i>	<a href="#">Fractional anisotropy in white matter hyperintensities is linked to associative memory performance</a>	Alzheimer's & Dementia
64	2020	Ramirez J, <i>et al</i>	<a href="#">Parkinson's Disease, NOTCH3 Genetic Variants, and White Matter Hyperintensities</a>	Movement Disorders
65	2020	Beheshti I, <i>et al</i>	<a href="#">Patch-wise brain age longitudinal reliability</a>	Human Brain Mapping
66	2020	Haddad, SM, <i>et al</i>	<a href="#">Reduced neuronal activity in Alzheimer's disease and mild cognitive impairment measured by resting state fMRI</a>	Alzheimer's & Dementia
67	2020	Raamana PR, <i>et al</i>	<a href="#">Does size matter? The relationship between predictive power of single-subject morphometric networks to spatial scale and edge weight</a>	Brain Structure & Function
68	2021	Ntiri EE, <i>et al</i>	<a href="#">Improved Segmentation of the Intracranial and Ventricular Volumes in Populations with Cerebrovascular Lesions and Atrophy Using 3D CNNs</a>	Neuroinformatics
69	2021	Athena E. Theyers	<a href="#">Multisite Comparison of MRI Defacing Software Across Multiple Cohorts</a>	Frontiers in Psychiatry
70	2021	Roberts A, <i>et al</i>	<a href="#">Predicting Cognitive Impairment in Cerebrovascular Disease Using Spoken Discourse Production</a>	Topics in Language Disorders
71	2021	Harris DA, <i>et al</i>	<a href="#">Strategies for measuring prescription medication switching with pharmacy claims data: a scoping review protocol.</a>	JBI Evidence Synthesis
72	2021	Dilliot A, <i>et al</i>	<a href="#">Association of apolipoprotein E variation with cognitive impairment across multiple neurodegenerative diagnoses</a>	Neurobiology of Aging
73	2021	Fishman K, <i>et al</i>	<a href="#">Bilingualism in Parkinson's disease: Relationship to cognition and quality of life</a>	Journal of Clinical & Experimental Neuropsychology
74	2021	Dilliot A, <i>et al</i>	<a href="#">Contribution of rare variant associations to neurodegenerative disease presentation</a>	NPJ Genomic Medicine
75	2021	Godkin FE, <i>et al</i>	<a href="#">Feasibility of a continuous, multi-sensor remote health monitoring approach in individuals living with neurodegenerative disease</a>	Journal of Neurobiology
76	2021	Campitelli MA, <i>et al</i>	<a href="#">Health services utilization prior to amyotrophic lateral sclerosis diagnosis: A province-wide study of individuals treated with riluzole in Ontario, Canada</a>	Muscle & Nerve

77	2021	Jones A, <i>et al</i>	<a href="#">Impact of the COVID-19 Pandemic on Home Care Services Among Community-Dwelling Adults With Dementia</a>	Journal of the American Medical Directors Association
78	2021	Ramirez J, <i>et al</i>	<a href="#">MRI-visible perivascular space volumes, sleep duration and daytime dysfunction in adults with cerebrovascular disease</a>	Sleep Medicine
79	2021	Chertkow H, <i>et al</i>	<a href="#">Consensus Statement Regarding the Application of Biogen to Health Canada for Approval of Aducanumab</a>	Canadian Geriatrics Journal
80	2021	Liang s, <i>et al</i>	<a href="#">Magnetic Resonance Imaging Sequence Identification Using a Metadata Learning Approach</a>	Frontiers in Neuroinformatics
81	2021	Kayvanrad A, <i>et al</i>	<a href="#">Resting state fMRI scanner instabilities revealed by longitudinal phantom scans in a multi-center study</a>	Neurimage
82	2021	Yu Di, <i>et al</i>	<a href="#">Serum oxylipins indicate subcortical ischemic vascular disease in patients with clinical stroke</a>	Alzheimer's & Dementia
83	2021	Gosse P, <i>et al</i>	<a href="#">Virtual care for patients with Alzheimer disease and related dementias during the COVID-19 era and beyond.</a>	Canadian Medical Association Journal
84	2022	Bronskill SE, <i>et al</i>	<a href="#">Trends in Health Service Use for Canadian Adults With Dementia and Parkinson Disease During the First Wave of the COVID-19 Pandemic</a>	JAMA Health Forum
85	2022	Beaton D, <i>et al</i>	<a href="#">Caregiving concerns and clinical characteristics across neurodegenerative and cerebrovascular disorders in the Ontario neurodegenerative disease research initiative</a>	International Journal of Geriatric Psychiatry
86	2022	Sunderland K, <i>et al</i>	<a href="#">Characteristics of the Ontario Neurodegenerative Disease Research Initiative cohort</a>	Alzheimer's & Dementia
87	2022	Vaccarino A, <i>et al</i>	<a href="#">Common Data Elements to Facilitate Sharing and Re-use of Participant-Level Data: Assessment of Psychiatric Comorbidity Across Brain Disorders</a>	Frontiers in Psychiatry
88	2022	Vert A, <i>et al</i>	<a href="#">Detecting accelerometer non-wear periods using change in acceleration combined with rate-of-change in temperature</a>	BMC Medical Research Methodology
89	2022	Maxwell CJ, <i>et al</i>	<a href="#">Incidence of neurological and psychiatric comorbidity over time: a population-based cohort study in Ontario, Canada</a>	Age & Aging
90	2022	Ozzoude M, <i>et al</i>	<a href="#">Investigating the contribution of white matter hyperintensities and cortical thickness to empathy in neurodegenerative and cerebrovascular diseases</a>	Geroscience
91	2022	Harris DA, <i>et al</i>	<a href="#">Potential unintended consequences of antipsychotic reduction in Ontario nursing homes.</a>	Journal of the American Medical Directors Association
92	2022	Jones A, <i>et al</i>	<a href="#">Reasons for repeated emergency department visits among community-dwelling older adults with dementia in Ontario, Canada</a>	Journal of the American Geriatrics Society
93	2022	Salzman T, <i>et al</i>	<a href="#">Associations of Multidomain Interventions With Improvements in Cognition in Mild Cognitive Impairment. A Systematic Review and Meta-analysis</a>	JAMA Network Open
94	2022	Maclagan L, <i>et al</i>	<a href="#">Visits to the emergency department by community-dwelling people with dementia during the first 2 waves of the COVID 19 pandemic in Ontario: a repeated cross-sectional analysis</a>	CMAJ Open
95	2022	Kielar A, <i>et al</i>	<a href="#">Electrophysiological abnormalities as indicators of early-stage pathology in Primary Progressive Aphasia (PPA): A case study in semantic variant PPA</a>	Neurocase

96	2022	Nanayakkara N, <i>et al</i>	<a href="#">Increased brain volumetric measurement precision from multi-site 3D T1-weighted 3 T magnetic resonance imaging by correcting geometric distortions</a>	Magnetic Resonance Imaging
97	2022	Ramirez J, <i>et al</i>	<a href="#">Small and Large Magnetic Resonance Imaging–Visible Perivascular Spaces in the Basal Ganglia of Parkinson’s Disease</a>	Movement Disorders
98	2022	Dillio A, <i>et al</i>	<a href="#">Targeted copy number variant identification across the neurodegenerative disease spectrum</a>	Molecular Genetics & Genomic Medicine
99	2022	Wong B, <i>et al</i>	<a href="#">Retinal nerve fibre layer in frontotemporal lobar degeneration and amyotrophic lateral sclerosis</a>	Frontiers in Neuroscience
100	2022	Haddad SM, <i>et al</i>	<a href="#">Comparison of Diffusion Tensor Imaging Metrics in Normal-Appearing White Matter to Cerebrovascular Lesions and Correlation with Cerebrovascular Disease Risk Factors and Severity</a>	International Journal of Biomedical Imaging
101	2022	Parr A, <i>et al</i>	<a href="#">Genetic variation in the dopamine system is associated with mixed-strategy decision-making in patients with Parkinson’s disease</a>	The European Journal of Neuroscience
102	2022	Southwell A, <i>et al</i>	<a href="#">Validating a novel deterministic privacy-preserving record linkage between administrative &amp; clinical data: applications in stroke research</a>	International Journal of Population Data Science
103	2022	Iragorri N, <i>et al</i>	<a href="#">Cost-effectiveness of a gene sequencing test for Alzheimer's disease in Ontario</a>	Journal of Community Genetics
104	2022	Yu D, <i>et al</i>	<a href="#">Soluble Epoxide Hydrolase Derived Linoleic Acid Oxylipins, Small Vessel Disease Markers, and Neurodegeneration in Stroke</a>	Journal of the American Heart Association
105	2023	Maclagan L, <i>et al</i>	<a href="#">Can Patients with Dementia Be Identified in Primary Care Electronic Medical Records Using Natural Language Processing?</a>	Journal of Health Informatics Research
106	2023	Kapustin D, <i>et al</i>	<a href="#">Neuropsychiatric Symptom Burden across Neurodegenerative Disorders and its Association with Function</a>	Canadian Journal of Psychiatry
107	2023	Harris D, <i>et al</i>	<a href="#">Variation and Correlation of Potential Unintended Consequences of Antipsychotic Reduction in Ontario Nursing Homes Over Time</a>	Medical Care
108	2023	Brien D, <i>et al</i>	<a href="#">Classification and staging of Parkinson's disease using video-based eye tracking</a>	Parkinsonism & Related Disorders
109	2023	Reik Heidi C, <i>et al</i>	<a href="#">Cognitive correlates of antisaccade behaviour across multiple neurodegenerative diseases</a>	Brain Communications
110	2023	Weber K., Godkin FE, <i>et al</i>	<a href="#">Wrist Accelerometer Estimates of Physical Activity Intensity During Walking in Older Adults and People Living With Complex Health Conditions: Retrospective Observational Data Analysis Study</a>	JMIR Formative Research
111	2023	Harris, D, <i>et al</i>	<a href="#">Changes in the Initiation of Antipsychotics and Trazodone Over Time: A Cohort Study of New Admissions to Nursing Homes in Ontario, Canada</a>	The American Journal of Geriatric Psychiatry
112	2023	Carvalho de Abreu, <i>et al</i>	<a href="#">White matter hyperintensity burden predicts cognitive but not motor decline in Parkinson's disease: results from the Ontario Neurodegenerative Diseases Research Initiative</a>	European Journal of Neurology

\* Note: Publications listed above either utilize ONDRI data, are written by ONDRI investigators, mention ONDRI, and/or have acknowledged funding by ONDRI and/or OBI. Search terms: ONDRI, Ontario Neurodegenerative Disease Research Initiative.