

CV and selected publications  
Niels Okkels, MD, PhD.

ORCID	0000-0002-6483-9505
Civil status	38 years, married, lives in Aarhus.
Education	<ul style="list-style-type: none"><li>- MD, Aarhus University (2014).</li><li>- PhD, Aarhus University (2023).</li></ul>
Employment	Resident, Department of Neurology, Aarhus University Hospital, DK. Associate Professor of Neurology, Aarhus University, DK.
Publications	<ul style="list-style-type: none"><li>- 24 original articles (7 as first author)</li><li>- 4 reviews (2 as first author)</li><li>- 1 book (Editor)</li><li>- 5 book chapters (3 as first author)</li><li>- + 50 peer-reviewed abstracts.</li></ul>
Prizes	European Psychiatric Association Research Prize (2017).
Scientific focus	Lewy body disease og Alzheimer's disease.
Editorial activities	Member of the board, Acta Psychiatrica Scandinavica (IF 7.7) (2015 – current). + 60 peer reviews for international journals.
Supervision	<ul style="list-style-type: none"><li>- Emil B. Sørensen, MD, PhD-student (main supervisor from 1/10 2024).</li><li>- Frederik O. Hansen, research year, (2021-2022, co-supervisor).</li><li>- Bachelor/Master's thesis, totalling four nurse students (2015-2016, co-supervisor).</li></ul>
Invited talks	<ul style="list-style-type: none"><li>- Danish Blood Donor Study, Research Seminar, Denmark (2024).</li><li>- Karolinska Institutet, Center for Alzheimer research, Sverige (2023).</li><li>- 12th German-Scandinavian Meeting on Movement Disorders (2023).</li><li>- WPA World Congress of Psychiatry (2017).</li><li>- McLean Hospital, Harvard Medical School, Boston, USA (2016).</li><li>- Eric Lindemann Mental Health Center, Harvard University, USA (2014).</li></ul>
Scholarships	Full PhD scholarship, Aarhus University, DKK 1.512.000 (2019).
Grants (as PI)	~ DKK 4.500.000 (November, 2024).
Organization	<ul style="list-style-type: none"><li>- MatchPoint 2022, Our Fascinating Brain, Aarhus Universitet. Assistent to chairman of organizing committee, Troels Staehelin Jensen (2022).</li><li>- 24th European Congress of Psychiatry. Chairman (2016)</li></ul>
Teaching	<ul style="list-style-type: none"><li>- Psychiatric symptoms in neurological disorders (course in specialization programme in psychiatry, 2018-2019).</li><li>- The neurological examination (Course for medical students, 2020-2022).</li></ul>

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- 1: **Okkels N**, Grothe MJ, Taylor JP, Hasselbalch SG, Fedorova TD, Knudsen K, van der Zee S, van Laar T, Bohnen N, Borghammer P, Horsager J. Cholinergic changes in Lewy body disease: implications for presentation, progression and subtypes. *Brain*. 2024 Mar 4;awae069. doi: 10.1093/brain/awae069. Epub ahead of print. PMID: 38437860. IF: 14.5.
- 2: **Okkels N**, Horsager J, Fedorova TD, Knudsen K, Skjærbæk C, Andersen KB, Labrador-Espinosa M, Vestergaard K, Mortensen JK, Klit H, Møller M, Danielsen EH, Johnsen EL, Bekan G, Hansen KV, Munk OL, Damholdt MF, Kjeldsen PL, Hansen AK, Gottrup H, Grothe MJ, Borghammer P. Impaired cholinergic integrity of the colon and pancreas in dementia with Lewy bodies. *Brain*. 2024 Jan 4;147(1):255-266. doi: 10.1093/brain/awad391. PMID: 37975822. IF: 14.5.
- 3: **Okkels N**, Horsager J, Labrador-Espinosa M, Kjeldsen PL, Damholdt MF, Mortensen J, Vestergård K, Knudsen K, Andersen KB, Fedorova TD, Skjærbæk C, Gottrup H, Hansen AK, Grothe MJ, Borghammer P. Severe cholinergic terminal loss in newly diagnosed dementia with Lewy bodies. *Brain*. 2023 Sep 1;146(9):3690-3704. doi: 10.1093/brain/awad192. PMID: 37279796. IF: 14.5.
- 4: **Okkels N**, Horsager J, Labrador-Espinosa MA, Hansen FO, Andersen KB, Just MK, Fedorova TD, Skjærbæk C, Munk OL, Hansen KV, Gottrup H, Hansen AK, Grothe MJ, Borghammer P. Distribution of cholinergic nerve terminals in the aged human brain measured with [<sup>18</sup>F]FEOBV PET and its correlation with histological data. *Neuroimage*. 2023 Apr 1;269:119908. doi: 10.1016/j.neuroimage.2023.119908. Epub 2023 Jan 29. PMID: 36720436. IF: 7.4.
- 5: Horsager J, Andersen KB, Knudsen K, Skjærbæk C, Fedorova TD, **Okkels N**, Schaeffer E, Bonkat SK, Geday J, Otto M, Sommerauer M, Danielsen EH, Bech E, Kraft J, Munk OL, Hansen SD, Pavese N, Göder R, Brooks DJ, Berg D, Borghammer P. Brain-first versus body-first Parkinson's disease: a multimodal imaging case-control study. *Brain*. 2020 Oct 1;143(10):3077-3088. doi: 10.1093/brain/awaa238. PMID: 32830221. IF: 14.5.
- 6: **Okkels N**, Jensen LG, Skovshoved LC, Arendt R, Blicher AB, Vieta E, Straszek S. Lighting as an aid for recovery in hospitalized psychiatric patients: a randomized controlled effectiveness trial. *Nord J Psychiatry*. 2020 Feb;74(2):105-114. doi: 10.1080/08039488.2019.1676465. Epub 2019 Oct 11. PMID: 31603013. IF: 2.
- 7: **Okkels N**, Trabjerg B, Arendt M, Pedersen CB. Traumatic Stress Disorders and Risk of Subsequent Schizophrenia Spectrum Disorder or Bipolar Disorder: A Nationwide Cohort Study. *Schizophr Bull*. 2017 Jan;43(1):180-186. doi: 10.1093/schbul/sbw082. Epub 2016 May 31. PMID: 27245172; PMCID: PMC5216852. IF: 6.6.
- 8: Andersson NW, Gustafsson LN, **Okkels N**, Taha F, Cole SW, Munk-Jørgensen P, Goodwin RD. Depression and the risk of autoimmune disease: a nationally representative, prospective longitudinal study. *Psychol Med*. 2015 Dec;45(16):3559-69. doi: 10.1017/S0033291715001488. Epub 2015 Aug 14. PMID: 26271451. IF 5.9.

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9: **Okkels N**, Vernal DL, Jensen SO, McGrath JJ, Nielsen RE. Changes in the diagnosed incidence of early onset schizophrenia over four decades. *Acta Psychiatr Scand*. 2013 Jan;127(1):62-8. doi: 10.1111/j.1600-0447.2012.01913.x. Epub 2012 Aug 20. PMID: 22906158. IF 7.7.

10: **Okkels N**, Kristiansen CB, Munk-Jørgensen P, Sartorius N. Urban mental health: challenges and perspectives. *Curr Opin Psychiatry*. 2018 May;31(3):258-264. doi: 10.1097/YCO.0000000000000413. PMID: 29528897. IF 7.5.