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## Physical frailty in late-life depression: evidence for a depression-frailty subtype?

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# Chapter XI

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Acknowledgments

About the author

List of publications

List of recent SHARE theses

















## List of publications

### Articles (International)

**Arts MHL**, Van den Berg KS, Marijnissen RM, de Jonge J, Hegeman AJM, Collard RM, Comijs HC, Aprahamian I, Naarding P, Oude Voshaar RC. Frailty predicts mortality in late-life depression. *J Clin Psychiatry* 2020. *Accepted*.

**Arts MHL**, Benraad CEM, Hanssen D, Hilderink P, de Jonge L, Naarding P, Lucassen P, Oude Voshaar RC. Frailty and somatic comorbidity in older patients with medically unexplained symptoms. *J Am Med Dir Assoc*. 2019 Apr 3. pii: S1525-8610(19)30241-5. doi: 10.1016/j.jamda.2019.02.015.

Van den Berg KS, **Arts MHL**, Collard RM, van den Brink RHS, Comijs HC, Marijnissen RM, Oude Voshaar RC. Vitamin D deficiency and course of frailty in a depressed older population. *Aging Ment Health*. 2018 Nov 15:1-7. doi: 10.1080/13607863.2018.1515885.

**Arts MHL**, Collard RM, Comijs HC, de Jonge L, Penninx BWJH, Naarding P, Kok RM, Oude Voshaar RC. Leukocyte telomere length is no molecular marker of physical frailty in late-life depression. *Exp Gerontol*. 2018 Oct 1;111:229-234. doi: 10.1016/j.exger.2018.07.016.

Collard RM, **Arts MHL**, Schene AH, Oude Voshaar RC, Comijs HC. The impact of frailty on depressive disorder in later life: findings from the Netherlands Study of Depression in Older persons. *Eur Psychiatry* 2017;43:66-72. DOI: 10.1016/j.eurpsy.2017.01.003.

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the NESDO study. *J Am Med Dir Assoc* 2016;17(1):36-43. DOI:10.1016/j.jamda.2015.07.016.

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## Articles (National)

De Jonge L, Huymans L, **Arts MHL**. Gebruiker pijnstillers wil vaak minderen. Pharmaceutisch Weekblad 2020:155(19).

De Jonge L, Huysmans HCM, **Arts MHL**. Waardering voor uitleg zelfzorgmedicatie. Pharmaceutisch Weekblad 2019: 29/30.

De Jonge L, **Arts MHL**. Vasten: schema's aangepast (zorgthema ramadan in Service Apotheken). Pharmaceutisch Weekblad 2018:23.

Michielsen PJS, **Arts MHL**. Cryptococcal meningitis and neuropsychiatric consequences of HIV-infection. Tijdschrift voor psychiatrie 2014;56:539-543.

Guido van Hal, Jessica Fraeyman, **Matheus Arts**, Sofie van Roosbroeck, Bart Vriesacker. Welke stimulansen doen jongeren voor generieke of gewone sigarettenpakjes kiezen?: Belgische studie naar generieke verpakkingen. Jaarverslag 2011, Assoc. Europ. Cancer Leagues.

**Arts M**. Een kleine ingreep: introductie van de transorbitale lobotomie. Dagblad Trouw, 6 oktober 2010.

**Arts M**, Al-Sabai N. Meningococcal disease. University Press VUB 2006:04/01.

**Arts M**. The distribution of dorsolateral prefrontal serotonin type 2A receptors in treatment-resistant depression measured with 123I-5-I-R91150: a single photon emission computerized tomography study. University Press VUB 2006:07;006.

## **Books**

**Matheus Arts.** Ouderen zijn de baas, in de keuken. 2020. *(Dutch)*

**Matheus Arts.** Voeding als medicijn? Een voedingsgids voor (kwetsbare) ouderen. 2020 *(Dutch)*

**Matheus Arts,** Philip Michielsen. Cutting the mind: origins of psychosurgery. Acco Leuven/Den Haag, April 2012. ISBN: 978 90 33486388 *(English)*

**Matheus Arts,** Jan Verlooy. Informed consent bij neurochirurgische ingrepen. University Press Antwerp (UIA), 2002. *(Dutch)*

### Poster presentations & Conference papers

**Arts MHL**, Petrykiv SI, de Jonge L. Efficacy of physical exercise in the treatment of depressed older adults. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

**Arts MHL**, Petrykiv SI, de Jonge L. Methylphenidate, a companion in young age and a foe in old age? 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

**Arts MHL**, Petrykiv SI, de Jonge L. The role of Electroconvulsive therapy in the treatment of dementia with Lewy Bodies. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

**Arts MHL**, Petrykiv SI, de Jonge L. Risks of Electroconvulsive therapy in depressed patients with intracranial aneurysm. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

**Arts MHL**, Petrykiv SI, de Jonge L. Safety of Electroconvulsive therapy in depressed patients with unrepaired abdominal aortic aneurysm: an update. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

Petrykiv SI, **Arts MHL**, de Jonge L. Clinical difficulties in the treatment of restless legs syndrome: it is the dose that makes poison? 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

Petrykiv SI, **Arts MHL**, de Jonge L. Depression and ADHD: do SSRI's "kill or cure"? 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

Petrykiv SI, **Arts MHL**, de Jonge L. Hazards of polypharmacy: doing more by prescribing less. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

Petrykiv SI, **Arts MHL**, de Jonge L. Between Scylla and Charybdis: treatment of depression in subject with Gilles de la Tourette syndrome. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

Petrykiv SI, **Arts MHL**, de Jonge L. Genotyping as a step towards personalized approach In psychiatry: treating a therapy-resistant patient. 28th European Congress of Psychiatry, Madrid, Spain (online). Published: European Psychiatry 2020. *Accepted*.

**Matheus H.L. Arts**, Sergei I. Petrykiv, Linda de Jonge. Case-report of a 'tea ceremony' with ayahuasca: an emotional rollercoaster. 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019:56;S24.

**Matheus H.L. Arts**, Sergei I. Petrykiv, Linda de Jonge. Is leukocyte telomere length a marker of physical frailty in late-life depression? 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019:56;S427.

**Matheus H.L. Arts**, Sergei I. Petrykiv, Linda de Jonge. Tramadol-induced delirium. 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019;56;S358-S359.

**Matheus H.L. Arts**, Sergei I. Petrykiv, Linda de Jonge. Charles Bonnet Syndrome: a prodromal stage of Lewy Body Dementia? 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019;56;S359.

**Matheus H.L. Arts**, Sergei I. Petrykiv, Linda de Jonge. Nortriptyline-induced exacerbation of glaucoma: a case-report. 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019;56;S474.

Sergei I. Petrykiv, **Matheus H.L. Arts**, Linda de Jonge. Clinical picture of Intoxication with sodium azide. 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019;56:6-7.

Sergei I. Petrykiv, **Matheus H.L. Arts**, Linda de Jonge. Mental health mobile apps: a new therapeutic tool. 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019;56:18-19.

Sergei I. Petrykiv, **Matheus H.L. Arts**, Linda de Jonge. Improved clinical trial designs in psychiatry: the future is now? 27th European Congress of Psychiatry, Warsaw, Poland. Published: European Psychiatry 2019;56;234-235.

**Arts MHL**, Petrykiv SI, Fennema J, de Jonge L. Antipsychotics and the risk of cerebrovascular accidents in the elderly population with dementia. 26th European Congress of Psychiatry, Nice, France. Published: European Psychiatry 2018:48S;S614.



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Petrykiv SI, de Jonge L, **Arts MHL**. Cannabis abuse and the risk of psychosis: a brief review of the clinical evidence. 26th European Congress of Psychiatry, Nice, France. Published: *European Psychiatry* 2018;48;S739.

Petrykiv SI, de Jonge L, **Arts MHL**. Alice in wonderland syndrome: a case report. 26th European Congress of Psychiatry, Nice, France. Published: European Psychiatry 2018;48;S560.

Petrykiv SI, de Jonge L, **Arts MHL**. Psychosis in a young man induced by abusive nitrous oxide consumption: a case report. 26th European Congress of Psychiatry, Nice, France. Published: European Psychiatry 2018;48;S738.

**Arts MHL**, Petrykiv SI, Fennema J, de Jonge L. Bupropion induced hyponatremia: a review of literature. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;749. doi: 10.1016/j.eurpsy.2017.01.1391.

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Michielsen PJS, de Jonge L, Petrykiv SI, **Arts MHL**. Review of Othello syndrome and its relationship with neurological disorders. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S225. doi: 10.1016/j.eurpsy.2017.01.2222.

De Jonge L, Petrykiv SI, Fennema J, Michielsen PJS, **Arts MHL**. A tribute to José M.R. Delgado (1915-2011): the pioneer of electric brain stimulation. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S768. Doi: 10.1016/j.eurpsy.2017.01.1447.

De Jonge L, Petrykiv SI, Fennema J, **Arts MHL**. Lithium toxicity after bariatric surgery. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S491. doi: 10.1016/j.eurpsy.2017.01.598.

De Jonge L, Petrykiv SI, Fennema J, **Arts MHL**. Misdiagnosis of Loin Pain Hematuria Syndrome (LPHS) as a somatization disorder. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry doi: 10.1016/j.eurpsy.2017.01.597.

De Jonge L, Petrykiv SI, Fennema J, **Arts MHL**. Relationship between borderline personality disorder and migraine. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S490. doi: 10.1016/j.eurpsy.2017.01.596.

De Jonge L, Petrykiv SI, Fennema J, **Arts MHL**. The effects of bariatric surgery on pharmacokinetics of antidepressants: a systematic review. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S232-233. doi: 10.1016/j.eurpsy.2017.01.2244.

Michielsen PJS, Propadalo L, **Arts MHL**. Incidence of Gamma-Hydroxybutyrate (GHB) abuse and dependence in a rural crisis resolution team in the Netherlands. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S150. doi: 10.1016/j.eurpsy.2017.01.2002.

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Petrykiv SI, de Jonge L, Sibma W, **Arts MHL**. A systematic review of Ganser syndrome: 118 years of case-studies. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S699. doi: 10.1016/j.eurpsy.2017.01.1236.

Petrykiv SI, de Jonge L, **Arts MHL**. Hyponatremia associated with selective serotonin-reuptake inhibitors. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S758. doi: 10.1016/j.eurpsy.2017.01.1419.

Petrykiv SI, de Jonge L, **Arts MHL**. Burning mouth syndrome: problem in the mouth? 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S254. doi: 10.1016/j.eurpsy.2017.02.049.

Petrykiv SI, de Jonge L, **Arts MHL**. Parkinson Disease: a complex interaction of disease and medication related factors. 25th European Congress of Psychiatry, Florence, Italy. Published: European Psychiatry 2017;41;S662. doi: 10.1016/j.eurpsy.2017.01.1119.

Petrykiv SI, de Jonge L, **Arts MHL**. Selective serotonin reuptake inhibitor drug interactions in patients receiving statins. 25th European Congress of Psychiatry, Florence, Italy. Published: *European Psychiatry* 2017;41:S757-758. doi: 10.1016/j.eurpsy.2017.01.1418.

Fennema J, Petrykiv SI, de Jonge L, **Arts MHL**. Efficacy and safety of antidepressants as analgesics in chronic pain: a review. 25th European Congress of Psychiatry, Florence, Italy. Published: *European Psychiatry* 2017;41:S234. doi: 10.1016/j.eurpsy.2017.01.2248.

**Arts MHL**, Petrykiv SI, Fennema J, de Jonge L. A case of erotomanic delusion in dementia. 25th European Congress of Psychiatry, Florence, Italy. Published: *European Psychiatry* 2017;41:S646. doi: 10.1016/j.eurpsy.2017.01.1071.

Fennema J, Petrykiv SI, de Jonge L, **Arts MHL**. Citalopram-induced delusions in an older adult. 25th European Congress of Psychiatry, Florence, Italy. Published: *European Psychiatry* 2017;41:S751-S752. doi: 10.1016/j.eurpsy.2017.01.1399.

**Arts MHL**. Cardiac arrest induced by blunt trauma in road racing. TT-Assen, June 2016.

Michielsen PJS, **Arts MHL**. Cryptococcal meningitis in acute onset psychosis: a case-study. 24th European Congress of Psychiatry, Madrid, Spain. Published: *European Psychiatry* 2016;33:S532 doi: 10.1016/j.eurpsy.2016.01.1970.

**Arts MHL**, Michielsen PJS, Petrykiv SI, de Jonge L, Oude Voshaar RC. Treatment of Charles Bonnet Syndrome with Continuous Positive Airway Pressure in an older

adult. 24th European Congress of Psychiatry, Madrid, Spain. Published: European Psychiatry 2016;33:S468 doi:10.1016/j.eurpsy.2016.01.1705.

**Arts MHL**, Buis J, de Jonge L. Misdiagnosis of Anterior Cutaneous Nerve Entrapment Syndrome as a somatization disorder. 24th European Congress of Psychiatry, Madrid, Spain. Published: European Psychiatry 2016;33:S387-S388. doi: 10.1016/j.eurpsy.2016.01.1392.

Petrykiv SI, de Jonge L, **Arts MHL**. Between Scylla and Charybdis: Where does the treatment of Addison's disease in late-life depression go first? 24th European Congress of Psychiatry, Madrid, Spain. Published: European Psychiatry 2016;33:S382. doi:10.1016/j.eurpsy.2016.01.1374.

Petrykiv SI, **Arts MHL**, de Jonge L, Michielsen PJS. Electroconvulsive therapy in depressed older adults with unrepaired abdominal aortic aneurysm: safety first! 24th European Congress of Psychiatry, Madrid, Spain. Published: European Psychiatry 2016;33:S690. doi:10.1016/j.eurpsy.2016.01.2051.

**Arts MHL**, Michielsen PJS, Petrykiv SI, de Jonge L. A tribute to Gottlieb Burckhardt-Heussler (1836-1907): the pioneer of psychosurgery. 24th European Congress of Psychiatry, Madrid, Spain. Published: European Psychiatry 2016;33:S553. doi:10.1016/j.eurpsy.2016.01.2042.

Petrykiv SI, de Jonge L, **Arts MHL**. Case-report and review of Selective Serotonin Reuptake Inhibitor-induced delirium in older adults. 24th European Congress of Psychiatry, Madrid, Spain. Published: European Psychiatry 2016;33:S473. doi:10.1016/j.eurpsy.2016.01.1725.

Petrykiv SI, de Jonge L, Michielsen PJS, **Arts MHL**. Case-report of autointoxication with nutmeg committed by a suicide attempter. 24th European Congress of Psychiatry, Madrid, Spain. Published: *European Psychiatry* 2016;33:S443-S444. doi: 10.1016/j.eurpsy.2016.01.1614.

Collard RM, **Arts MHL**, Schene AH, Naarding P, Oude Voshaar RC, Comijs HC. Frailty as a predictor of the course of late-life depression: findings from a longitudinal cohort study. 24th European Congress of Psychiatry, Madrid, Spain. Published: *European Psychiatry* 2015;30(1):770. doi:10.1016/S0924-9338(15)30607-6.

**Arts MHL**, Collard RM, Comijs HC, Naudé PJW, Risselada R, Naarding P, Oude Voshaar RC. Inflammaging associated with physical frailty in late-life depression. AAGP 2014 Annual Meeting, March 2014, Orlando, U.S.A. Published: *Am J Geriatr Psychiatry* 2014;22(3):133–134.

Michielsen PJS, **Arts MHL**. Influence of psychostimulants on temperament and character profiles in adult ADHD patients. 22th European Congress of Psychiatry, Munich, Germany. Published: *European Psychiatry* 2014;2(74):29. doi:10.1016/S0924-9338(74)77621-7.

PJS Michielsen, **MHL Arts**, M Morrens. Does Aripiprazol deserve a second change in Parkinson's disease psychosis? 20th European Congress of Psychiatry, Prague, Czech Republic. Published: *European Psychiatry* 2012;27:1-3. doi:10.1016/S0924-9338(12)74895-2.

## **Awards, prizes and honorary distinctions**

### **2020:**

Higher Education Teaching Certification, summa cum laude (grade: 98,4%)

**Harvard University**, Cambridge, U.S.A.

### **2019:**

SHARE PhD Top Publication Award 2019

**University of Groningen**, Groningen, the Netherlands.

### **2016:**

Nominee ACCOMPLISSH Sustainability Impact Award 2016

**University of Groningen**, Groningen, the Netherlands.

### **2015:**

SHARE PhD Top Publication Award 2015

**University of Groningen**, Groningen, the Netherlands.

### **2006:**

Master degree in Medicine, cum laude (grade: 86,0%)

**Free University of Brussels**, Brussels, Belgium.



## List of recent SHARE theses

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More recent theses can be found in the list below.

(supervisors are between brackets)

**2020**

**Blikman T**

Neuropathic-like symptoms in hip and knee osteoarthritis

*(prof SK Bulstra, dr M Stevens, dr I van den Akker-Scheek)*

**Fard B**

Dysvascular lower limb amputation: incidence, survival and pathways of care

*(prof JHB Geertzen, prof PU Dijkstra)*

19.10.2020 EXPAND

**Niebuur J**

Who volunteers and why? Understanding the role of resources and motivations in participation in voluntary work

*(prof AC Liefbroer, prof N Steverink, dr N Smidt)*

**Thio CHL**

Chronic kidney disease; insights from social and genetic epidemiology

*(prof HSnieder, prof RT Gansevoort, prof U Bültmann)*

**Rocha dos Santos PC**

Effects of age and fatigue on human gait

*(prof THortobagyi, prof CJC Lamoth, prof LTB Gobbi, dr CAT Zijdewind, dr FA Barbieri)*

**Jong LA de**

Health economics of direct oral anticoagulants in the Netherlands

*(prof MJ Postma, dr M van Hulst)*

**Diemen MCJM van**

Self-management, self-efficacy, and secondary health conditions in people with spinal cord

*(prof MWM Post, prof JHB Geertzen, dr I van Nes)*

**Jacobs MS**

Anticoagulation in atrial fibrillation; consideration for treatment and health economic aspects

*(prof MJ Postma, dr M van Hulst, dr RG Tieleman)*

**Baars ECT**

Trans-tibial prosthesis fitting and prosthesis satisfaction

*(prof JHB Geertzen, prof PU Dijkstra)*

**Slagt-Tichelman E**

Mother-to-infant bonding: determinants and impact in child development; challenges for maternal health care

*(prof MY Berger, prof FG Schellevis, dr H Burger)*

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Notes