

Appendix 3: Publications 2012-2013-2014

2012

Aries MJ, Aslan A, Elting JW, Stewart RE, Zijlstra JG, De Keyser J, Vroomen PC (2012) Intra-arterial blood pressure reading in intensive care unit patients in the lateral position. *Journal of clinical nursing*; 21: 1825-1830

Aries MJ, Elting JW, Stewart RE, De Keyser J, Thien T, Kremer HPH, Vroomen PC (2012) Variations of Blood Pressure in Stroke Unit Patients May Result from Alternating Body Positions. *Journal Of Stroke & Cerebrovascular Diseases*; 21(6): 459-466

Aries MJ, Bakker D, Stewart RE, De Keyser J, Elting JW, Thien T, Vroomen PC (2012) Exaggerated postural blood pressure rise is related to a favorable outcome in patients with acute ischemic stroke. *Stroke*; 43(1): 92-96

Baeken C, Van Schuerbeek P, De Raedt R, Vanderhasselt MA, De Mey J, Bossuyt A, Luypaert R (2012) Stress sensitive healthy females show less left amygdala activation in response to withdrawal-related visual stimuli under passive viewing conditions. *Brain Cogn.* Nov;80(2):230-6.

Baeken C, De Raedt R, Van Schuerbeek P, De Mey J, Bossuyt A, Luypaert R (2012) The influence of emotional priming on the neural substrates of memory: a prospective fMRI study using portrait art stimuli. *Neuroimage.* Jul 16;61(4):876-83.

Baeken C, De Raedt R, Bossuyt A (2012) Is treatment-resistance in unipolar melancholic depression characterized by decreased serotonin_{2A} receptors in the dorsal prefrontal - anterior cingulate cortex? *Neuropharmacology.* Jan;62(1):340-6.

Beckers V, De Smedt A, Van Hooff R-J, De Raedt S, Van Dyck R, Putman K, De Keyser J, Brouns R (2012) Prediction of hospitalization duration for acute stroke in Belgium. *Acta Neurologica Belgica*; 112: 19-25

Bos I, De Boever P, Int Panis L, Sarre S, Meeusen R (2012) Negative effects of ultrafine particle exposure during forced exercise on the expression of Brain-Derived Neurotrophic factor in the hippocampus of rats. *Neuroscience* 223: 131-139, *SCI*: - 3.215 –

Bos I, De Boever P, Buekers J, Emmerechts J, Vanoirbeek J, Meeusen R, Nemery B, Van Poppel M, Nawrot T, Int Panis L (2012) Changed gene expression in brains of mice exposed to traffic in a highway tunnel. *Inhalation Toxicology* 24(10): 676-686, *SCI*: - 1.919 –

Brintazzoli G, Soetens E, Deroost N, Van Den Bussche E (2012) Conscious, but not unconscious, logo priming of brands and related words, Edition: Consciousness and Cognition, Issue: 2, Volume: 21, N° in volume: 43, pp: 824 - 834, published by: Elsevier Inc., ISBN-ISSN: 1053-8100, Impact factor: 2.027, impact year: 2012

Brouns R., Van Hooff R-J, De Smedt A, Moens M, De Raedt S, Uyttenboogaart M, Luijckx G.J., Jochmans K, De Keyser J (2012) Acute Stroke Management in Patients Taking Dabigatran. *CNS Neuroscience and Therapeutics*; 18: 616-622

Cambron M, D'haeseleer M, Laureys G, Clinckers R, De Bruyne J, De Keyser J (2012) White-matter astrocytes, axonal energy metabolism, and axonal degeneration in multiple sclerosis. *Journal of cerebral blood flow & metabolism* 2012; 32(3): 413-424

Cambron M, Van Hooff R-J, Nieboer K, De Keyser J, Brouns R (2012) Successful repetitive intravenous thrombolysis in a patient with recurrent brainstem infarctions due to megadolichobasilar ectasia. *Archives of Neurology*.

Cassilhas R, Lee K, Fernandes J, Oliveira M, Tufik S, Meeusen R, De Mello M (2012) Spatial memory is improved by aerobic and resistance exercise through divergent molecular mechanisms. *Neuroscience* 27;202: 309-317, *SCI*: -3.215 –

Cermak N, Yamamoto T, Meeusen R, Burke L, Steal S, Castell L (2012) A-Z of nutritional supplements, sports nutrition foods and ergogenic aids for health and performance: part 38. *Br J Sports Med* 46: 1027-1028 *SCI*: - 4.144 –

Coomans D, Deroost N, Vandenbossche J, Van Den Bussche E, Soetens E (2012) Visuospatial perceptual sequence learning and eye movements, Edition: Experimental Psychology, Issue: 39, Volume: 3, pp: 279 - 285, published by: Hogrefe Publishing, ISBN-ISSN: 2190-5142, Impact factor: 1.921, impact year: 2012

D'haeseleer M, Cambron M, De Keyser J (2012) Astrocyte Signalling and Multiple Sclerosis. *Current Signal Transduction Therapy*; 7(1): 14-19

D'hooghe M-B, De Keyser J (2012) Associations of alcohol consumption with clinical and MRI measures in multiple sclerosis. *Expert Review of Neurotherapeutics*;12(6):657-660

D'hooghe M-B, Haentjens P, Nagels G, D'hooghe T., De Keyser J (2012) Menarche, oral contraceptives, pregnancy and progression of disability in relapsing onset and progressive onset multiple sclerosis. *Journal of Neurology*; 259: 855-861

De Couck M, Mravec B, Gidron Y (2012) You may need the vagus nerve to understand pathophysiology and to treat diseases. *Clin Sci (Lond)*. Apr;122(7):323-8.

De Geus B, Aertsens J, Cumps E, Thoams U, Degraeuwe B, Vandenbulcke G, Int Panis L, Meeusen R (2012) A prospective cohort study on minor accidents involving commuter cyclists in Belgium. *Accident Analysis & Prevention* 45(2): 683-693

De Geyter D, Stoop W, Zgavc T, Sarre S, Michotte Y, De Keyser J, Kooijman R (2012) Spontaneously hypertensive rats display reduced microglial activation in response to ischemic stroke and lipopolysaccharide. *Journal of neuroinflammation*; 9(1): 114

De Hertogh W, Vaes P, Versijpt J (2012) Diagnostic work-up of an elderly patient with unilateral head and neck pain. A case report. *Manual therapy* 2012, 1-4

De Raedt S, Haentjens P, De Smedt A, Brouns R, Uyttenboogaart M, Luijckx GJ, De Keyser J (2012) Pre-stroke use of beta-blockers does not affect ischaemic stroke severity and outcome. *European Journal of Neurology*; 19(2): 234-240.

De Raedt S, Brouns R, De Smedt A, Aries MJH, Uyttenboogaart M, Luijckx GJ, De Keyser J (2012) The sNIHSS-4 predicts outcome in right and left anterior circulation strokes. *Clinical Neurology and Neurosurgery*

Degelaen M, De Borre L, Salvia P, Pelc K, Kerckhofs E, De Meirleir L, Cheron G, Dan B (2012) Effect of ankle-foot orthoses on trunk sway and lower limb intersegmental coordination in children with bilateral cerebral palsy. *J Pediatr Rehabil Med*, Volume: 5, N° in volume: 3, pp: 171 - 179, ISBN-ISSN: 1874-5393

Deroost N, Vandenbossche J, Zeischka P, Coomans D, Soetens E (2012) Cognitive control: A role for implicit learning?, Edition: *Journal of Experimental Psychology: Learning, Memory and Cognition*, Issue: 38, Volume: 5, pp: 1243 - 1258, published by: APA, ISBN-ISSN: 0278-7393, Impact factor: 2.854, impact year: 2011

Desender K, Van Den Bussche E (2012) Is consciousness necessary for cognitive control? A state of the art, Edition: *Frontiers in Human Neuroscience*, Issue: 3, Volume: 6, pp: 1 - 13, published by: Frontiers Research Foundation, ISBN-ISSN: 1662-5161, Impact factor: 2.906, impact year: 2012

Desender K, Van Den Bussche E (2012) The magnitude of priming effects is not independent of prime awareness. Reply to Francken, van Gaal & de Lange (2011)., Edition: *Consciousness and Cognition*, Issue: 3, Volume: 21, pp: 1571 - 1572, published by: Elsevier Science, ISBN-ISSN: 1053-8100, Impact factor: 2.027, impact year: 2012

Dierckx E (2012) Vergrijzing: Een nieuwe uitdaging voor de gezondheidszorg. *Tijdschrift Klinische Psychologie*, 1, 2-8.

Du Four S, Wilgenhof S, Duerinck J, Michotte A, Van Binst A, De Ridder M, Neyns B (2012) Radiation necrosis of the brain in melanoma patients successfully treated with ipilimumab, three case studies. *European Journal Of Cancer*, 48(16): 3045-3051

Gómez-Galán M, De Bundel D, Van Eeckhaut A, Smolders I, Lindskog M (2012) Dysfunctional astrocytic regulation of glutamate transmission in a rat model of depression. *Molecular Psychiatry*, 1-13.

Gidron Y, Giangreco A, Vanuxem C, Leboucher O (2012) The relationship between stress, hemispheric preference and decision making among managers. *Anxiety Stress Coping*. Mar;25(2):219-28.

Goekint M, Bos I, Heyman E, Meeusen R, Michotte Y, Sarre S (2012) Acute running stimulates hippocampal dopaminergic neurotransmission in rats, but has no influence on brain-derived neurotrophic factor. *J Appl Physiol* . 112: 535-541, *SCI*: - 3.753 –

Grynberg D, Gidron Y, Denollet J, Luminet OJ (2012) Evidence for a cognitive bias of interpretation toward threat in individuals with a Type D personality. *Behav Med.* Feb;35(1):95-102.

Hansen D, Meeusen R, Mullens A, Dendale P (2012) Effect of Acute Endurance and Resistance Exercise on Endocrine Hormones Directly Related to Lipolysis and Skeletal Muscle Protein Synthesis in Adult Individuals with Obesity. *Sports Med* ;42(5): 415-431, *SCI: - 5.152 –*

Heremans E, Nieuwboer A, Spildooren J, Vandenbossche J, Deroost N, Soetens E, Kerckhofs E, Vercruyse S (2012) Cognitive aspects of freezing of gait in Parkinson's disease: a challenge for rehabilitation., Edition:Journal of Neural Transmission, Issue: 4, Volume: 120, pp: 543 - 557, ISBN-ISSN: 1435-1463, Impact factor: 2.730, impact year: 2011

Herremans SC, Baeken C (2012) The current perspective of neuromodulation techniques in the treatment of alcohol addiction: a systematic review. *Psychiatr Danub.* Sep;24 Suppl 1:S14-20. Review.

Heyman E, Gamelin FX, Goekint M, Piscitelli F, Roelands B, Leclair E, Di Marzo V, Meeusen R (2012) Intense exercise increases circulating endocannabinoid and BDNF levels in humans-Possible implications for reward and depression. *Psychoneuroendocrinology.* 37(6): 844-851, *SCI: - 5.168 –*

Klass M, Roelands B, Lévénez M, Fontenelle V, Pattyn N, Meeusen R, Duchateau J (2012) Effects of noradrenaline and dopamine on supraspinal fatigue in well-trained men. *Med Sci Sports Exerc.* Dec;44(12):2299-308 *SCI: -4.431–*

Klein M, Weksler N, Gidron Y, Heldman E, Gurski E, Smith OR, Gurman GM (2012) Do waking salivary cortisol levels correlate with anesthesiologist's job involvement? *J Clin Monit Comput.* Dec;26(6):407-13.

Loyens E, Vermoesen K, Schallier A, Michotte Y, Smolders I (2012) Proconvulsive effects of oxytocin in the generalized pentylenetetrazol mouse model are mediated by vasopressin 1a receptors. *Brain Res.* 1436, 43-50, *SCI Impactfactor = 2.879.*

Meurs A, Portelli J, Clinckers R, Balasubramaniam A, Michotte Y, Smolders I (2012) Neuropeptide Y increases in vivo hippocampal extracellular glutamate levels through Y1 receptor activation. *Neurosci Lett.* 510, 143-147, *SCI Impactfactor = 2.026.*

Miedema I, Uyttenboogaart M, Koch Marcus, Kremer H.P.H., De Keyser J, Luijckx G.J (2012) Lack of association between serum uric acid levels and outcome in acute ischemic stroke. *Journal of the Neurological Sciences;* 319: 51-55

Miedema I, Luijckx G.J., De Keyser J, Koch M, Uyttenboogaart M (2012) Thrombolytic therapy for ischaemic stroke in patients using warfarin: a systematic review and meta-analysis. *Journal of neurology, neurosurgery and psychiatry;* 83: 537-540

Minganti C, Demarie S, Comotto S, Meeusen R, Piacentini MF (2012) Evaluation of critical swimming velocity in young amateur swimmers. *Sport Sci Health* 7: 87–91, *SCI*: - 0.475–

Moens M, De Smedt A, Marien P, Brouns R (2012) Intrathecal bupivacaine for arachnoiditis ossificans - a case report. *Clinical Neurology and Neurosurgery*

Moens M, Droogmans S, Spapen H, De Smedt A, Brouns R, Van Schuerbeek P, Luybaert R, Nuttin B, Poelaert J (2012) Feasibility of cerebral magnetic resonance imaging in patients with externalised spinal cord stimulator. *Clin Neurol Neurosurg*; 114(2): 135-141

Moens M, De Smedt A, Marien P, Brouns R (2012) Intrathecal bupivacaine for arachnoiditis ossificans: a case report. *Clinical Neurology and Neurosurgery*

Moens M, Sunaert S, Marien P, Brouns R, De Smedt A, Droogmans S, Van Schuerbeek P, Peeters R, Poelaert J, Nuttin B (2012) Spinal cord stimulation modulates cerebral function: an fMRI study. *Neuroradiology*; 54(12): 1399-1407

Mouton C, Ronson A, Razavi D, Delhaye F, Kupper N, Paesmans M, Moreau M, Nogaret JM, Hendlisz A, Gidron Y (2012) The relationship between heart rate variability and time-course of carcinoembryonic antigen in colorectal cancer. *Auton Neurosci*. Jan 26;166(1-2):96-9.

Mparmpakas D, Zachariades E, Goumenou A, Gidron Y, Karteris E (2012) Placental DEPTOR as a stress sensor during pregnancy. *Clin Sci (Lond)*. Apr;122(7):349-59.

Piacentini MF, Parisi A, Verticchio N, Comotto S, Meeusen R, Capranica L (2012) No changes in time trial performance of master endurance athletes after 4 weeks on a low carbohydrate diet. *Sport Sci Health* 8: 51–58, *SCI*: - 0.475–

Portelli J, Thielemans L, Ver Donck L, Loyens E, Coppens J, Aourz N, Aerssens J, Vermoesen K, Clinckers R, Schallier A, Michotte Y, Moechars D, Collingridge GL, Bortolotto ZA, Smolders I (2012) Inactivation of the constitutively active ghrelin receptor attenuates limbic seizure activity in rodents. *Neurotherapeutics* 9, 658-672, *SCI Impactfactor* = 5.904.

Portelli J, Michotte Y, Smolders I (2012) Ghrelin: An emerging new anticonvulsant neuropeptide. Review. *Epilepsia*. 53, 585-595, *SCI Impactfactor* = 3.909.

Roelands B, Meeusen R (2012) Caffeine, Dopamine & Thermoregulation. *EJAP* 112(5): 1979-1980, *SCI*: - 2.147 –

Roelands B, Watson P, Cordery P, Decoster S, Debaste E, Maughan R, Meeusen R (2012) A dopamine/noradrenaline reuptake inhibitor improves performance in the heat, but only at the maximum therapeutic dose. *Scand J Med Sci Sports*. doi: 10.1111/j.1600-0838.2012.01502.x *SCI*: - 2.867–

Sasanguie Delphine, Van Den Bussche Eva, Reynvoet Bert (2012) Predictors for mathematics achievement? Evidence from a longitudinal study, Edition: Mind, Brain,

and Education, Issue: 3, Volume: 6, pp: 119 - 128, published by: John Wiley and Sons, ISBN-ISSN: 1751-228X, Impact factor: 0.980, impact year: 2012

Schrijvers DL, Baeken C, De Raedt R, Sabbe BG (2012) The impact of high-frequency repetitive transcranial magnetic stimulation on fine motor functions in medication-resistant major depression. *Neuropsychobiology*; 66(4):252-8.

Shraim N, Clinckers R, Sarre S, Michotte Y, Van Eeckhaut A (2012) Determination of reboxetine in rat brain microdialysates and plasma samples using liquid chromatography coupled to fluorescence detection. *Journal of Chromatography B*, 898:53-61.

Struyf F, Nijs J, Mottram S, Roussel N, Cools A, Meeusen R (2012) Clinical assessment of the scapula in patients with shoulder pain: a review of the literature. *Br J Sports Med* 2012 doi:10.1136/bjsports-2012-091059 *SCI*: - 4.144 –

Swinnen E, Baeyens J-P, Meeusen R, Kerckhofs E (2012) Methodology of electromyographic analysis of the trunk muscles during walking in healthy subjects: a literature review. *Journal of Electromyography and Kinesiology*, Volume: 22, N° in volume: 1, pp: 1-12, ISBN-ISSN: 1050-6411.

Swinnen E, Beckwee D, Pinte D, Meeusen R, Baeyens J-P, Kerckhofs E (2012) Treadmill training in multiple sclerosis: Can body weight support or robot assistance provide added value? A systematic review. *Multiple Sclerosis International*, ISBN-ISSN: 2090-2662

Tessitore A, Perroni F, Meeusen R, Cortis C, Lupo C, Capranica L (2012) Heart rate responses and technical-tactical aspects of official 5-a-side youth soccer matches played on clay and artificial turf. *J Strength Cond Res*. 26(1):106-112, *SCI*: - 1.848 -

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Van Den Bussche E, Smets K, Sasanguie D, Reynvoet B (2012) The power of unconscious semantic processing: The effect of semantic relatedness between prime and target on subliminal priming, Edition: *Psychologica Belgica*, Issue: 52, Volume: 1,

pp: 59 - 70, published by: Academia Press, ISBN-ISSN: 0033-2879, 2012, Impact factor: 1.171, impact year: 2012

Vandenbossche J, Deroost N, Soetens E, Spildooren J, Vercruysse S, Nieuwboer A, Kerckhofs E (2012) Conflict and freezing of gait in Parkinson's disease: support for a response control deficit, Edition:Neuroscience, Issue: 206, pp: 144 - 154, published by: Elsevier, ISBN-ISSN: 0306-4522, Impact factor: 3.380, impact year: 2011

Vandenbossche J, Deroost N, Soetens E, Coomans D, Spildooren J, Vercruysse S, Nieuwboer A, Kerckhofs E (2012) Freezing of gait in Parkinson's disease: disturbances in automaticity and control, Edition:Frontiers in Human Neuroscience, Issue: 6, Beginpage: 356, ISBN-ISSN: 1662-5161, Impact factor: 2.339, impact year: 2011

Vandereycken W, Aerts L, Dierckx E (2012) Hoe zit het met de kennis van patiënten over de mogelijke lichamelijke gevolgen van hun eetstoornis? Tijdschrift voor Psychiatrie,9, 823-828.

Velthuis M, Van Den Bussche E, May A, Gijzen B, Nijs S, Vlaeyen J (2012) Validation of the Modified Tampa Scale of Kinesiophobia-Fatigue in cancer survivors, Edition:Psycho-oncology, Volume: 21, pp: 762 - 770, published by: Wiley, ISBN-ISSN: 1057-9249, Impact factor: 3.339, impact year: 2012

Vermoesen K, Massie A, Smolders I, Clinckers R (2012) The antidepressants citalopram and reboxetine reduce seizure frequency in rats with chronic epilepsy. *Epilepsia*. 53, 870-878, SCI Impactfactor = 3.909.

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Zgavc T, Ceulemans AG, Hachimi-Idrissi S, Kooijman R, Sarre S, Michotte Y (2012) The neuroprotective effect of post ischemic brief mild hypothermic treatment correlates with apoptosis, but not with gliosis in endothelin-1 treated rats. *BMC.Neurosci* 13:105

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Aarts K, Vanderhasselt MA, Otte G, Baeken C, Pourtois G (2013) Electrical brain imaging reveals the expression and timing of altered error monitoring functions in major depression. *J Abnorm Psychol*. Nov;122(4):939-50

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Afrikanova T, Serruys AS, Buenafe OE, Clinckers R, Smolders I, de Witte PA, Crawford AD, Esguerra CV (2013) Validation of the zebrafish pentylenetetrazol seizure model: locomotor versus electrographic responses to antiepileptic drugs.

PLoS One. 2013;8(1):e54166. doi: 10.1371/journal.pone.0054166. Epub 2013 Jan 14, SCI Impactfactor = 3.534.

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Anderson CS, Heeley E, Huang Y, Wang J, Stapf C, Delcourt C, Lindley R, Robinson T, Lavados P, Neal B, Hata J, Arima H, Parsons M, Li Y, Wang J, Heritier S, Li Q, Woodward M, Simes RJ, Davis SM, Chalmers J; PhD for the INTERACT2 Investigators (2013) Rapid blood-pressure lowering in patients with acute intracerebral hemorrhage. *N Engl J Med*; 368(25): 2355-65

Arden-Close E, Gidron Y, Bayne L, Moss-Morris R (2013) Written emotional disclosure for women with ovarian cancer and their partners: randomised controlled trial. *Psychooncology*. Mar 15.[Epub ahead of print]

Aries MJ, Elting JW, Stewart R, De Keyser J, Kremer B, Vroomen P (2013) Cerebral blood flow velocity changes during upright positioning in bed after acute stroke: an observational study. *BMJ Open*; 3(8)

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Brouwers S, Smolders I, Massie A, Dupont AG (2013) Angiotensin II Type 2 Receptor-Mediated and Nitric Oxide-Dependent Renal Vasodilator Response to Compound 21 Unmasked by Angiotensin-Converting Enzyme Inhibition in Spontaneously Hypertensive Rats In Vivo. *Hypertension*. 62, 920-926, *SCI Impactfactor* = 7.632

Cambron M, Van Hooff RJ, Nieboer K, De Keyser J, Brouns R (2013) Successful repetitive intravenous thrombolysis in a patient with recurrent brainstem infarction due to megadolichobasilar ectasia. *JAMA Neurology*;25: 1-2

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D'haeseleer M, Beelen R, Fierens Y, Cambron M, Vanbinst AM, Verborgh C, Demey J, De Keyser J (2013) Cerebral hypoperfusion in multiple sclerosis is reversible and mediated by endothelin-1. *Proceedings Of The National Academy Of Sciences Of The United States Of America*; 110(14):5654-5658

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D'hooghe MB, D'Hooghe T, De Keyser J (2013) Female gender and reproductive factors affecting risk, relapses and progression in multiple sclerosis. *Gynecol Obstet Invest.*;75:73-84

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De Pauw K, Roelands B, Fernandez Tellez H, Knaepen K, Meeusen R (2013) Brain mapping after prolonged cycling and during recovery in the heat. *J Appl Physiol* 115(9): 1324-1331; *SCI*: -3.484-

De Raedt S, Brouns R, De Smedt A, Aries MJH, Uyttenboogaart M, Luijckx GJ, De Keyser J (2013) The sNIHSS-4 predicts outcome in right and left anterior circulation strokes. *Clin Neurol Neurosurg*; 115(6):729-31

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Degelaen M, De Borre L, Kerckhofs E, De Meirleir L, Buyl R, Cheron G, Dan B (2013) Influence of botulinum toxin therapy on postural control and lower limb intersegmental coordination in children with spastic cerebral palsy. *Toxins*, Volume: 11, volume: 5, pp: 93 - 105, ISBN-ISSN: 2072-6651.

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