

CURRICULUM VITAE

Personalia

Naam: Mark P. Arts
Titel: MD, PhD

Opleiding

1982 – 1990 Atheneum B, Jeroen Bosch College, 's-Hertogenbosch
1987 – 1988 High School, Tuscaloosa, Alabama (VS)
1999 Arts examen (cum laude), Erasmus Universiteit Rotterdam
1999 – 2005 Opleiding neurochirurgie, Leiden Universitair Medisch Centrum en
Medisch Centrum Haaglanden
2005 Geregistreerd neurochirurg
2005 - 2007 Fellowship wervelkolom chirurgie
2011 Promotie: "Tubular discectomy for the treatment of lumbar disc herniation; new
standard or transient fashion?"

Publicaties

1. Arts MP, De Zeeuw CI, Lips J, Rosbak E, Simpson JI. Effects of nucleus prepositus hypoglossi lesions on visual climbing fiber activity in the rabbit flocculus. *J Neurophysiol.* Nov 2000;84(5):2552-2563.
2. Arts MP, Kloet A. Het caudasyndroom. *Tijd. Neurol. en Neurochirurg.* 2003;104(5):297-303.
3. Arts MP, Malessy MJA. Perifere zenuwtumoren. *Tijd. Neurol. en Neurochirurg.* 2003;104(1):33-41.
4. Arts MP, de Jong TH. Thoracic meningocele, meningomyelocele or myelocystocele? Diagnostic difficulties, consequent implications and treatment. *Pediatr Neurosurg.* Mar-Apr 2004;40(2):75-79.
5. Arts M, Pondaag W, Peul W, Thomeer R. Nerve root decompression without fusion in spondylolytic spondylolisthesis: long-term results of Gill's procedure. *Eur Spine J.* Oct 2006;15(10):1455-1463.
6. Arts MP, Lycklama a Nijeholt G, Wurzer JA. Surgical treatment of idiopathic transdural spinal cord herniation: a new technique to untether the spinal cord. *Acta Neurochir (Wien).* Sep 2006;148(9):1005-1009.
7. Arts MP, Peul WC, Brand R, Koes BW, Thomeer RT. Cost-effectiveness of microendoscopic discectomy versus conventional open discectomy in the treatment of lumbar disc herniation: a prospective randomised controlled trial [ISRCTN51857546]. *BMC Musculoskelet Disord.* 2006;7:42.
8. Arts MP, Nieborg A, Brand R, Peul WC. Serum creatine phosphokinase as an indicator of muscle injury after various spinal and nonspinal surgical procedures. *J Neurosurg Spine.* Sep 2007;7(3):282-286.
9. Arts MP, Peul WC. Vertebral body replacement systems with expandable cages in the treatment of various spinal pathologies: a prospectively followed case series of 60 patients. *Neurosurgery.* Sep 2008;63(3):537-544; discussion 544-535.
10. Arts MP, Peul WC, Koes BW, Thomeer RT. Management of sciatica due to lumbar disc herniation in the Netherlands: a survey among spine surgeons. *J Neurosurg Spine.* Jul 2008;9(1):32-39.

11. Arts MP, Verstegen MJ, Brand R, Koes BW, van den Akker ME, Peul WC. Cost-effectiveness of decompression according to Gill versus instrumented spondylodesis in the treatment of sciatica due to low grade spondylolytic spondylolisthesis: a prospective randomised controlled trial [NTR1300]. *BMC Musculoskelet Disord.* 2008;9:128.
12. Arts MP, Brand R, van den Akker ME, Koes BW, Bartels RH, Peul WC. Tubular discectomy vs conventional microdiscectomy for sciatica: a randomized controlled trial. *JAMA.* Jul 8 2009;302(2):149-158.
13. Brouwer PA, Peul WC, Brand R, et al. Effectiveness of percutaneous laser disc decompression versus conventional open discectomy in the treatment of lumbar disc herniation; design of a prospective randomized controlled trial. *BMC Musculoskelet Disord.* 2009;10:49.
14. Peul WC, Arts MP, Brand R, Koes BW. Timing of surgery for sciatica: subgroup analysis alongside a randomized trial. *Eur Spine J.* Apr 2009;18(4):538-545.
15. Arts MP, Brand R, Koes BW, Peul WC. Effect modifiers of outcome of surgery in patients with herniated disc related sciatica? A subgroup analysis of a randomised clinical trial. *J Neurol Neurosurg Psychiatry.* Nov 2010;81(11):1265-1274.
16. Arts MP, Brand R, van den Akker E, Koes BW, Peul WC. The NETHERlands Cervical Kinematics (NECK) Trial. Cost-effectiveness of anterior cervical discectomy with or without interbody fusion and arthroplasty in the treatment of cervical disc herniation; a double-blind randomised multicenter study. *BMC Musculoskelet Disord.* 2010;11:122.
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18. Arts M, Brand R, van der Kallen B, Lycklama a Nijeholt G, Peul W. Does minimally invasive lumbar disc surgery result in less muscle injury than conventional surgery? A randomized controlled trial. *Eur Spine J.* Jan 2011;20(1):51-57.
19. Arts MP, Brand R, van den Akker ME, et al. Tubular discectomy versus conventional microdiscectomy for the treatment of lumbar disc herniation: two-year results of a double-blind randomised controlled trial. *Neurosurgery.* Feb 26 2011.
20. Arts MP, Peul WC. Timing and minimal access surgery for sciatica: a summary of two randomized trials. *Acta Neurochir (Wien).* Mar 3 2011.
21. Jacobs WC, van Tulder M, Arts M, et al. Surgery versus conservative management of sciatica due to a lumbar herniated disc: a systematic review. *Eur Spine J.* Apr 2011;20(4):513-522.
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23. van de Minkels JL, Arts MP, Gutierrez y Leon A, Poll JS. Severe postoperative blood pressure instability in a patient with long standing Parkinson's disease. *Acta Anaesthesiol Belg.* 2011;62(1):59-61.
24. van den Akker ME, Arts MP, van den Hout WB, Brand R, Koes BW, Peul WC. Tubular discectomy vs conventional microdiscectomy for the treatment of lumbar disk-related sciatica: cost utility analysis alongside a double-blind randomized controlled trial. *Neurosurgery.* Oct 2011;69(4):829-835; discussion 835-826.
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26. Jacobs WC, Arts MP, van Tulder MW, et al. Surgical techniques for sciatica due to herniated disc, a systematic review. *Eur Spine J.* Nov 2012;21(11):2232-2251.
27. Arts MP. Commentary: Minimally invasive spine surgery: new standard or transient fashion? *Spine J.* May 2013;13(5):498-500.

28. Arts MP. Reply to the letter to the editor of R. Q. Knight concerning "does minimally invasive lumbar disc surgery result in less muscle injury than conventional surgery? A randomized controlled trial" by M. Arts, R. Brand, et al. (2011) *Eur Spine J* 20(1):51-57. doi:10.1007/s00586-012-2491-9. *Eur Spine J*. Apr 2013;22(4):899.
29. Arts MP, Rettig TC, de Vries J, Wolfs JF, in't Veld BA. Maintaining endotracheal tube cuff pressure at 20 mm Hg to prevent dysphagia after anterior cervical spine surgery; protocol of a double-blind randomised controlled trial. *BMC Musculoskelet Disord*. 2013;14:280.
30. Arts MP, Wolfs JF, Corbin TP. The CASCADE trial: effectiveness of ceramic versus PEEK cages for anterior cervical discectomy with interbody fusion; protocol of a blinded randomized controlled trial. *BMC Musculoskelet Disord*. 2013;14:244.
31. Bollen L, de Ruiters GC, Pondaag W, et al. Risk factors for survival of 106 surgically treated patients with symptomatic spinal epidural metastases. *Eur Spine J*. Jun 2013;22(6):1408-1416.
32. Moojen WA, Arts MP, Jacobs WC, et al. Interspinous process device versus standard conventional surgical decompression for lumbar spinal stenosis: randomized controlled trial. *BMJ*. 2013;347:f6415.
33. Oosterhuis T, van Tulder M, Peul W, et al. Effectiveness and cost-effectiveness of rehabilitation after lumbar disc surgery (REALISE): design of a randomised controlled trial. *BMC Musculoskelet Disord*. 2013;14:124.
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