

SVASONA Trial

Ensayo clínico multicéntrico aleatorizado, que propone investigar si la combinación de una **válvula programable** y una unidad gravitatoria (proGAV, Aesculap / Miethke, Alemania) es capaz de reducir la incidencia de **hiperdrenaje**, y mejorar los resultados en comparación con una válvula programable convencional (Medos-Codman , Johnson & Johnson, Alemania). ^{1) 2) 3) 4)}

1)

Meier U, Stengel D, Müller C, Fritsch MJ, Kehler U, Langer N, Kiefer M, R, Schuhmann MU, Speil A, Weber F, Remenez V, Rohde V, Ludwig HC, Lemcke J. Predictors of subsequent overdrainage and clinical outcomes after ventriculoperitoneal shunting for idiopathic normal pressure hydrocephalus. *Neurosurgery*. 2013 Dec;73(6):1054-60. doi: 10.1227/NEU.0000000000000155. PubMed PMID: 24257332.

2)

Lemcke J, Meier U, Müller C, Fritsch MJ, Kehler U, Langer N, Kiefer M, Eymann R, Schuhmann MU, Speil A, Weber F, Remenez V, Rohde V, Ludwig HC, Stengel D. Safety and efficacy of gravitational shunt valves in patients with idiopathic normal pressure hydrocephalus: a pragmatic, randomised, open label, multicentre trial (SVASONA). *J Neurol Neurosurg Psychiatry*. 2013 Aug;84(8):850-7. doi: 10.1136/jnnp-2012-303936. Epub 2013 Mar 1. PubMed PMID: 23457222; PubMed Central PMCID: PMC3717598.

3)

Lemcke J, Meier U, Müller C, Fritsch M, Kiefer M, Eymann R, Kehler U, Langer N, Schuhmann MU, Speil A, Weber F, Remenez V, Rohde V, Ludwig HC, Stengel D. On the method of a randomised comparison of programmable valves with and without gravitational units: the SVASONA study. *Acta Neurochir Suppl*. 2012;114:243-6. doi: 10.1007/978-3-7091-0956-4_48. PubMed PMID: 22327702.

4)

Lemcke J, Meier U, Müller C, Fritsch M, Eymann R, Kiefer M, Kehler U, Langer N, Rohde V, Ludwig HC, Weber F, Remenez V, Schuhmann M, Stengel D. Is it possible to minimize overdrainage complications with gravitational units in patients with idiopathic normal pressure hydrocephalus? Protocol of the randomized controlled SVASONA Trial (ISRCTN51046698). *Acta Neurochir Suppl*. 2010;106:113-5. doi: 10.1007/978-3-211-98811-4_19. PubMed PMID: 19812931.

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