



TREATING NORMAL PRESSURE HYDROCEPHALUS AVOIDS DEMENTIA

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What is Normal-Pressure Hydrocephalus?



"Hakim Trias"



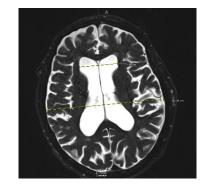


Urinary

incontinence

Dementia





Hydrocephalus: mean basal intracranial pressure normal or mildly elevated

Ventricular enlargement

80% of cases remain unrecognized and untreated



dependence on nursing care!

BUT:

NPH can

be treated

with

ventriculoperitoneal shunt



System consists of a ventricular catheter, a reservoir and a hydrocephalus valve with catheter, leading unnecessary cerebrospinal fluid into abdomen

Low" risk 1h surgery

Significant improvement in 81%* of patients
Chance of full healing increases
under early surgical treatment
with a shunt

Challenges:

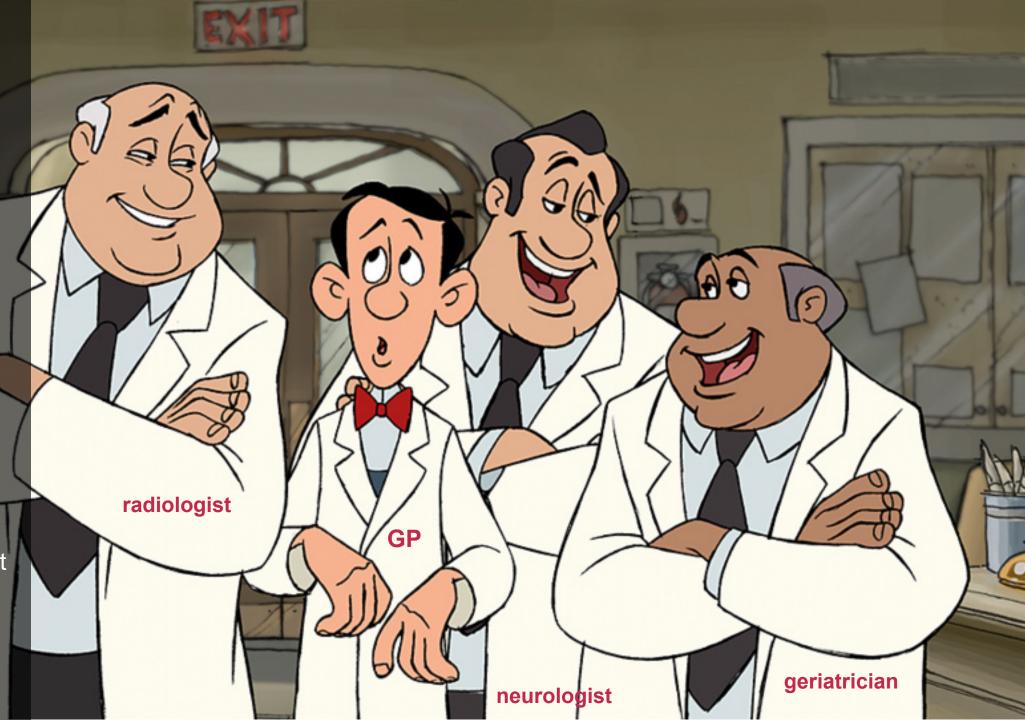
Medical

NPH is often not diagnosed

Organizational

GP as first contact is often not able to differentiate between NPH, Alzheimer and Parkinson

→ Many NPH patients never see a neurologist and are wrongly diagnosed with dementia



NPH and associated issues

NPH not diagnosed and treated can decrease cognitive abilities leading to dementia Diagnosed too late, a well treatable disease leads to care dependency.****

NPH is the only neurological disease related to dementia which can be treated***

Only 10% to 20% of patients with NPH receive appropriate specialized treatment*

84% of patients seeing a neuro-surgeon had the first contact with a GP**

Only 6% of dementia patients have NPH*

^{*}Kiefer M, Unterberg A: The differential diagnosis and treatment of normal-pressure hydrocephalus., Dtsch Arztebl Int 2012; 109(1–2): 15–26.

^{**} internal survey

^{***}MEG VERREES, M.D., and WARREN R. SELMAN, M.D., Case Western Reserve University, Cleveland, Ohio, American Family Physician. 2004 Sep 15;70(6):1071-1078.

^{****}Andrén K, Wikkelsø C, Tisell M, Hellström P., Natural course of idiopathic normal pressure hydrocephalus, J Neurol Neurosurg Psychiatry. 2014 Jul;85(7):806-10.

the effects of waiting for more than 6 months before surgery and to compare the outcome with that seen in patients who waited for less than 3 months.

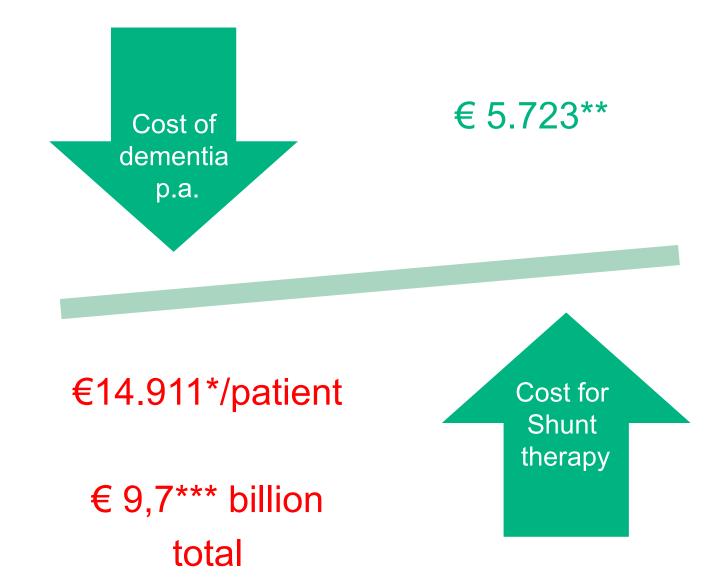
The

economic

burden of

dementia

in Germany



^{*}Ministry of Education and Research Germany;

https://www.gesundheitsforschung-bmbf.de/de/demenz-und-ihre-kosten-pflege-erfolgt-zunehmend-in-der-familie-3092.php (accessed 11.10.2018)

https://www.deutsche-alzheimer.de/fileadmin/alz/pdf/factsheets/infoblatt1 haeufigkeit demenzerkrankungen dalzg.pdf (accessed 11.10.2018)

^{**}G-DRG Browser, accessed: 11.10.2018

^{***}Amount of dementia patients * cost per patient; Source amount of dementia patients in Germany:

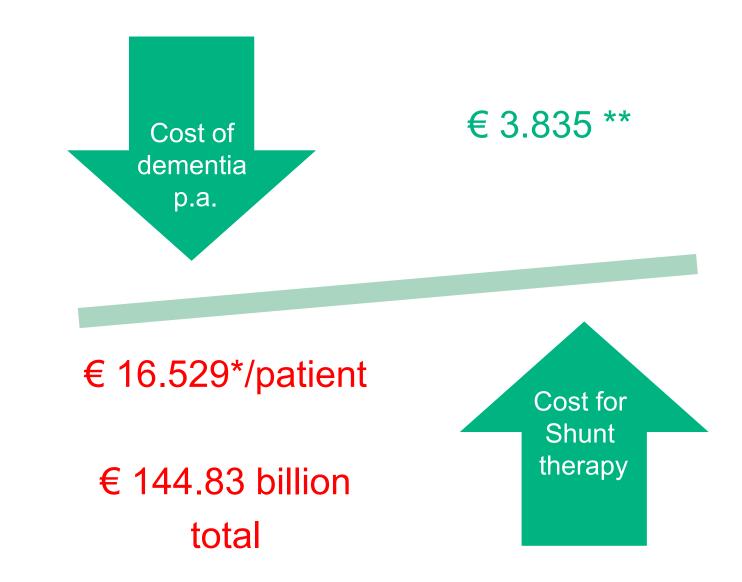
The

economic

burden of

dementia

in China



^{*} Jia et. al. Alzheimer's & Dementia, The Journal of the Alzheimer's Association, 2018; Volume 14; Issue 4; pages 483-491;The cost of Alzheimer's disease in China and re-estimation of costs worldwide **exemplary price from Hainan province for PROGAV implementation (price published 05.04.2017)

What needs to be done



We have begun!



Press work

Online presence

Training & Education

Clinical trails



So sight ein Kopf nac eingebeut wird.



In vielen Publikationen wird davon ausgegangen, dass etwa jeder zehnte Demenzkranke in Wirklichkeit einen unentdeckten NPH hat.

Zu spät erkannt, führt die **anfänglich gut therapierbare Krankheit** zur Pflegebedürftigkeit. Mit der richtigen Therapie ist für NPH-Patienten ein fast normales Leben wieder möglich.

Literatur

→ mehr

Fehldiagnose Parkinson oder Alzheimer.

Kategorie Klinikfinder

Research Paper

Safety and efficacy of

patients with idiopathic normal pressure

gravitational shunt valves in

hydrocephalus: a pragmatic,

multicentre trial (SVASONA)

randomised, open label,

→ Website (JNNP)

Über NPH
→ mehr

Hakim-Trias: Gangunsicherheit, Harn inkontinenz, Demenz.

NPH-Symptome → mehr

Downloaded from Jnnp.bmj.com on March 11, 2013 - Published by group.bmj.com
Unline First, published on March 1, 2013 as 10,1136/jnnp-2012-303936

Neurosurgery

RESEARCH PAPER

Safety and efficacy of gravitational shunt valves in patients with idiopathic normal pressure hydrocephalus: a pragmatic, randomised, open label, multicentre trial (SVASONA)

Johannes Lemcke, ¹ Ullrich Meier, ¹ Cornelia Müller, ² Michael J Fritsch, ² Uwe Kehler, ³ Niels Langer, ³ Michael Kiefer, ⁴ Regina Eymann, ⁴ Martin U Schuhmann, ⁵ Andreas Speil, ⁵ Friedrich Weber, ⁶ Victor Remenez, ⁶ Veit Rohde, ⁷ Hans-Christoph Ludwig, ⁷ Dirk Stengel ^{8,9}



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Aesculai

Be prepared: together we can do more!

