

Curriculum Vitae**Name: Victor Volovici****Year of birth: 1987****Education/Academic background:** MD, 2012, "Carol Davila" University of Medicine and Pharmacy, Romania; PhD, 2019, Erasmus University Rotterdam, The Netherlands (within the CENTER-TBI multinational project, focusing on new methodologies of research and methodology of guideline generation)**Current job title: Neurosurgeon, Director of the Center of Complex Microvascular Surgery (2024), Assoc Prof(2026)****Profile (max 5 sentences)**

I am a vascular neurosurgeon and PI of the vascular research line. My research focuses on treatment effectiveness for vascular lesions, employing innovative methodologies for robust evidence generation and comparative effectiveness research. Together with international consortium partners, we are often asked to discuss the current evidence behind treatment of vascular lesions of the brain.

A. Scientific track record

1. Selected publications

- **Volovici V**, Schouten JW, Vajkoczy P, Dammers R, Meling TR. Unruptured Arteriovenous Malformations: Do We Have an Answer After the Final Follow-Up of ARUBA? A Bayesian Viewpoint. *Stroke*. 2021 Mar;52(3):1143-1146
- Samaniego EA, Dabus G, Meyers PM, Kan PT, Frösen J, Lanzino G, Welch BG, **Volovici V**, Gonzalez F, Fifi J, Charbel FT, Hoh BL, Khalessi A, Marks MP, Berenstein A, Pereira VM, Bain M, Colby GP, Narayanan S, Tateshima S, Siddiqui AH, Wakhloo AK, Arthur AS, Lawton MT; ARISE I Consortium. Most Promising Approaches to Improve Brain AVM Management: ARISE I Consensus Recommendations. *Stroke*. 2024 May;55(5):1449-1463
- Sadigh Y, Haasdijk EJ, Dammers R, **Volovici V**. Microsurgical Bypass for Complex Intracranial Aneurysms in the Endovascular Era: Insights from a High-Volume Referral Center. *J Clin Med*. 2025 Aug 26;14(17):6027
- **Volovici V**, Verploegh S, Satoer D, Vrancken Peeters NJMC, Sadigh Y, Vergouwen MDI, Schouten JW, Bruggeman G, Pisica D, Yildirim G, Cozar A, Muller F, Zidaru AM, Gori K, Tzourmpaki N, Schnell E, Thioub M, Kicielinski K, van Doormaal PJ, Velinov N, Boutarbouch M, Lawton MT, Lanzino G, Amin-Hanjani S, Dammers R, Meling TR. Outcomes Associated With Intracranial Aneurysm Treatments Reported as Safe, Effective, or Durable: A Systematic Review and Meta-Analysis. *JAMA Netw Open*. 2023 Sep 5;6(9):e2331798
- **Volovici V**, Syn NL, Ercole A, Zhao JJ, Liu N. Steps to avoid overuse and misuse of machine learning in clinical research. *Nat Med*. 2022 Oct
- **Volovici V**, Pisica D, Gravesteyn BY, Dirven CMF, Steyerberg EW, Ercole A, Stocchetti N, Nelson D, Menon DK, Citerio G, van der Jagt M, Maas AIR, Haitsma IK, Lingsma HF; CENTER-TBI investigators, participants for the ICU stratum. Comparative effectiveness of intracranial hypertension management guided by ventricular versus intraparenchymal pressure monitoring: a CENTER-TBI study. *Acta Neurochir (Wien)*. 2022
- Rautalin I, **Volovici V** et al (GBD 2021 collaborators) Global, Regional, and National Burden of Nontraumatic Subarachnoid Hemorrhage: The Global Burden of Disease Study 2021. *JAMA Neurol*. 2025 May 23

B. Number of publications: 1) total 182, 2) as first author 34 and 3) as second last and last author 65, H-index 39**C.** Scientific grants: Erasmus MC Mrace grant 2016 (140 000 eur, chronic subdural hematoma research); Aneurysm-NL (Dutch Heart Foundation) 2025 WP-leader (together with prof Boogaarts), 450 000 eur for a nationwide study of unruptured aneurysms. 30 000 eur from the Dutch Academy of Science (Yasmin Sadigh, PhD student, project on the anatomy of cerebral perforators)**D.** Number of PhD students supervised: 12 (3 will finish in 2026); MSc students: 18**B. Professional track record**

1. Director of the Center for Complex Microvascular Surgery;
2. President of the Dutch Neurovascular Society (NNG)
3. Senior Editor for BMC Medical Research Methodology; Statistical Reviewer for Nature Medicine and the JAMA Network; Editorial Board Member, Neuroepidemiology; Section Editor, JAHA (Journal of The American Heart Association)
4. Co-director of the Microsurgery HandsOn courses of the European Association of Neurosurgical Societies (EANS);
5. Member of the EANS Vascular Section Board
6. Lead Methodologist, EANS Guidelines Taskforce
7. Member of the EANS Board Examination Committee
8. Visiting Professor for experimental microsurgery, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania.
9. Visiting Professor, University Hospital Essen, Department of Neurosurgery - November 2025
10. Elected Fellow of The American Heart Association, American Stroke Council 2025
11. Member of the Cerebrovascular Disease Committee of the World Federation of Neurosurgical Societies (2019 -2025)

C. Societal track record

1. Advisor for HEVAS and Hersenletsel.nl (patient societies focusing on patients and children with vascular malformations). Advisor for HPP (Brain aneurysm patient platform)
2. Newspaper article about suturing of flower petals as a training model
<https://www.ad.nl/binnenland/bloemblaadjes-hechten-blijkt-voor-artsen-schot-in-de-roos~a7e2ffb8/109896162/>
3. Newspaper article on microvascular surgery in the largest Dutch cardiovascular patient alliance journal
<https://www.hartpatienten.nl/nieuws/microvasculaire-chirurgie/>
And newspaper article about surgery of patients with highly complex AVMs
<https://www.telegraaf.nl/lifestyle/gezondheid/tom-64-onderging-risicovolle-operatie-kreeg-kortsluiting-tussen-slagaders-en-aders/64356590.html>
4. Appearance in the documentary “Erasmus MC 24/7” in S1E4 and S2E2, surgery on patients with complex skull base meningiomas and their journeys
5. Appearance in the scientific documentary programme NTR Focus of the Dutch national television, an episode on training and on bypass for cerebral hypoperfusion (with filmed surgery and the patient journey)