

**CURRICULUM VITAE**  
Frantz Rom Poulsen  
Consultant, professor, head of research

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**1. BIOGRAPHIC DATA**

Date of birth 1971, Børkop/Denmark  
Nationality Danish

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**2. EDUCATION**

01-06-1999 Medical Doctor, University of Southern Denmark  
01-04-2003 PhD in Experimental Neurobiology, University of Southern Denmark  
01-09-2010 Specialist in Neurosurgery  
01-11-2016 Professor in Neurosurgery

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**3. POSITIONS**

2018- Neurosurgical editor on "Læge- og Patient håndbogen"  
2017-2019 Head of BRIDGE (Brain Research – Inter-Diciplinary-Guided-Excellence) at OUH/SDU  
2016 Consultant and professor in Neurosurgery, Department of Neurosurgery, OUH  
2011 Consultant, ass. prof., head of research, Department of Neurosurgery, OUH

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*Since I began as head of research at Department of Neurosurgery, OUH, the neurosurgical research unit has substantially increased its production of high-quality research within all aspects of neurosurgical high speciality functions. For example, the number of publications has increased with more than 400% annually to 45 peer reviewed publications in 2022. As clinical professor I am leading expert in intracranial tumor surgery, and was the first in Scandinavia to treat tremor movement disorder patients with MR guided focused ultrasound*

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**4. ACADEMIC AWARDS AND HONOURS**

2007 Price winner in Neurosurgical Aptitude, Beitostølen, Norway  
1996 Thanks to Scandinavia

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**5. SCIENTIFIC FOCUS AREAS**

Treatment of primary brain tumors, skull base tumors and pituitary tumors. Molecular mechanisms in malignant gliomas and pituitary tumors. Chronic subdural hematomas. Cerebral metabolism

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**6. NATIONAL AND INTERNATIONAL RELATIONS/COLLABORATORS**

Departments of Neuropathology, Infectious Medicine, Nuclear Medicin, Radiology and Neurology, OUH. The neurosurgical departments in Ålborg, Århus and Copenhagen. Initiator of West-Danish Neurosurgical Research Collaboration. Neurosurgical departments of Tromsø, Trondheim, Göteborg, Regensburg, Turku, Detroit and Pittsburgh

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**7. SUPERVISION OF STUDENTS**

Supervisor of four PhD students, two graduated PhD, co-advisor on 4 PhD students, supervisor of numerous pregraduate students and candidate speciality students

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**8. MANAGEMENT EXPERIENCE**

Head of research at Department of Neurosurgery since June 2011. Board member of Danish Society for Neurosurgery. Research Management Course 2015. Head of BRIDGE  
Reducing Waste in Research for heads of research, Odense University Hospital, 2021

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**9. TEACHING EXPERIENCE**

Neuroanatomy and general anatomy at University of Southern Denmark  
Neurosurgery and intracranial tumors for Medical Students, University of Southern Denmark  
Palliative neurosurgery for oncology residents, Denmark  
Hands-on neurosurgical course for neurosurgical residents, Denmark  
Scandinavian Course in Neurosurgery, one-week yearly course with lectures and group sessions

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## 10. BOOK CHAPTERS

Klinisk Neurologi og Neurokirurgi, FADL's forlag, Kap. 20, Nervesystemets tumorer  
Kirurgi, FADL's forlag, Kap. 7.4, Neuroonkologi  
Kirurgisk Kompendie, Neuroonkologi chapter, *in press*

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## 11. PARTICIPANT IN ONGOING NATIONAL AND INTERNATIONAL CLINICAL TRIALS

Co-founder of Danish National Chronic Subdural Hematoma study group, a national study group conducting national randomized controlled clinical trials on best treatment of chronic subdural hematomas  
DRAIN closure or gradual weaning of external ventricular drainage, a randomized trial – responsible for the project engagement at Odense University Hospital  
TTF (tumor treating fields) – randomized trial on extra burr holes in the cranial plate prior to TTF treatment after surgery for recurrent glioblastoma  
BOLD – international randomized clinical trial on the effect of supramaximal resection for high grade gliomas

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## 12. FUNDING PAST 3 YEARS

### *External Funding*

Innovyat, Meningioma models, 660.000 kr  
Novo Nordisk Foundation, DNA methylation in Pituitary Adenomas, 1.461.314 kr  
StatuManu, Funduscopy as measurement of intracranial pressure, 2.481.500 kr

### *Internal (OUH and Region of Southern Denmark)*

Meningioma models, 550.000 kr  
DNA methylation in Pituitary Adenomas, 590.000 kr  
Clinical and research site visit abroad, 220.000 kr

<https://portal.findresearcher.sdu.dk/en/persons/frpoulsen>

## Frantz Rom Poulsen

### Bibliografiske data

Web of Science February 2025:

Total Scientific Publications: 172, h-index: 26, Sum of Times Cited: 2,409

ORCID ID: <https://orcid.org/0000-0001-5715-6901>

### Publikationsliste, usorteret (fra Pubmed)

1. [DNA Methylation in Pituitary Adenomas: A Scoping Review.](#)  
Møller MW, Nortvig MJ, Andersen MS, Poulsen FR.  
Int J Mol Sci. 2025 Jan 10;26(2):531. doi: 10.3390/ijms26020531.  
PMID: 39859246 Free PMC article. Review.
2. [Non-invasive fundoscopy as a tool to estimate intracranial pressure: a large animal model.](#)  
Eriksen NL, Poulsen FR, Andersen MS, Nortvig MJ.  
Acta Neurochir (Wien). 2025 Jan 25;167(1):24. doi: 10.1007/s00701-025-06437-3.  
PMID: 39856483 Free PMC article.
3. [Orthotopic meningioma rat model exhibits morphological and immunohistochemical congruency and epigenetic concordance with benign primary patient-derived tumors.](#)  
Andersen MS, Halle B, Wirenfeldt M, Petersen JK, Møller MW, Jurmeister P, Olsen BB, Kristensen BW, Boldt H, Pedersen CB, Mathiesen T, Poulsen FR.  
Sci Rep. 2024 Dec 30;14(1):31933. doi: 10.1038/s41598-024-83456-7.  
PMID: 39738335 Free PMC article.
4. [CRIME-Q-a unifying tool for critical appraisal of methodological \(technical\) quality, quality of reporting and risk of bias in animal research.](#)  
Andersen MS, Kofoed MS, Paludan-Müller AS, Pedersen CB, Mathiesen T, Mawrin C, Olsen BB, Halle B, Poulsen FR.  
BMC Med Res Methodol. 2024 Dec 19;24(1):306. doi: 10.1186/s12874-024-02413-0.  
PMID: 39695994 Free PMC article.
5. [Surgical treatment for chronic subdural haematoma -Authors' reply.](#)  
Hjortdal Grønhøj M, Poulsen FR.  
Lancet Neurol. 2024 Dec;23(12):1184-1185. doi: 10.1016/S1474-4422(24)00440-X.  
PMID: 39577911 No abstract available.
6. [The risk of venous thromboembolism in adult patients with diffuse glioma: a nationwide population-based study.](#)  
Hovman FR, Poulsen FR, Hansen S, Dahlrot RH.  
Acta Oncol. 2024 Nov 14;63:887-892. doi: 10.2340/1651-226X.2024.40137.  
PMID: 39543846 Free PMC article.
7. [Utilizing retinal arteriole/venule ratio to estimate intracranial pressure.](#)  
Nortvig MJ, Andersen MCS, Eriksen NL, Aunan-Diop JS, Pedersen CB, Poulsen FR.  
Acta Neurochir (Wien). 2024 Nov 8;166(1):445. doi: 10.1007/s00701-024-06343-0.  
PMID: 39514087 Free PMC article.
8. [Brain targeting for focused ultrasound essential tremor ablation: proceedings from the 2023 Focused Ultrasound Foundation workshop.](#)  
Chua MMJ, LeBlang S, Powlovich L, Gilbertson T, Krishna V, Guttmann CRG, Eames MDC, Poulsen FR, Cosgrove GR.  
Neurosurg Focus. 2024 Sep 1;57(3):E3. doi: 10.3171/2024.6.FOCUS2494.  
PMID: 39217630 Review.
9. [GIP receptor antagonism eliminates paradoxical growth hormone secretion in some patients with acromegaly.](#)  
Jensen MH, Gasbjerg LS, Skov-Jepesen K, Jacobsen JCB, Poulsen SS, Zhou C, Jakubauskaite R, Poulsen FR, Bonde C, Albarazi M, Halle B, Christiansen CB, Sanni SJ, Byberg S, Hoe B, Holst JJ, Dela F, Rasmussen AK, Knop FK, Arlien-Søborg MC, Melmed S, Jørgensen JOL, Andersen MS, Hartmann B, Klose MC, Feldt-Rasmussen U, Sparre-Ulrich AH, Rosenkilde MM.  
J Clin Endocrinol Metab. 2024 Aug 22:dgae583. doi: 10.1210/clinem/dgae583. Online ahead of print.

PMID: 39172542

10. [Prompt closure versus gradual weaning of external ventricular drain for hydrocephalus following aneurysmal subarachnoid haemorrhage: a statistical analysis plan for the DRAIN randomised clinical trial.](#)  
Capion T, Lilja-Cyron A, Juhler M, Møller K, Sorteberg A, Rønning PA, Poulsen FR, Wismann J, Schack AE, Ravlo C, Isaksen J, Lindschou J, Gluud C, Mathiesen T, Olsen MH.  
Trials. 2024 Jul 15;25(1):479. doi: 10.1186/s13063-024-08305-4.  
PMID: 39010208 Free PMC article.
11. [Genome-Wide DNA Methylation Profiling as a Prognostic Marker in Pituitary Adenomas-A Pilot Study.](#)  
Møller MW, Andersen MS, Halle B, Pedersen CB, Boldt HB, Tan Q, Jurmeister PS, Herrgott GA, Castro AV, Petersen JK, Poulsen FR.  
Cancers (Basel). 2024 Jun 13;16(12):2210. doi: 10.3390/cancers16122210.  
PMID: 38927917 Free PMC article.
12. [The Influence of Size on the Intracranial Distribution of Biomedical Nanoparticles Administered by Convection-enhanced Delivery in Minipigs.](#)  
Amirrahedi M, Jensen AI, Tang Q, Straathof NJW, Ravn K, Pedersen CGT, Langhorn L, Poulsen FR, Woolley M, Johnson D, Williams J, Kidd C, Thisgaard H, Halle B.  
ACS Nano. 2024 Jul 9;18(27):17869-17881. doi: 10.1021/acsnano.4c04159. Epub 2024 Jun 26.  
PMID: 38925630
13. [Optimal drainage time after evacuation of chronic subdural haematoma \(DRAIN TIME 2\): a multicentre, randomised, multiarm and multistage non-inferiority trial in Denmark.](#)  
Hjortdal Grønhøj M, Jensen TSR, Miscov R, Sindby AK, Debrabant B, Hundsholt T, Bjarkam CR, Bergholt B, Fugleholm K, Poulsen FR; DACSUHS group.  
Lancet Neurol. 2024 Aug;23(8):787-796. doi: 10.1016/S1474-4422(24)00175-3. Epub 2024 Jun 12.  
PMID: 38878790 Clinical Trial.
14. [Idiopathic normal pressure hydrocephalus: Validation of the DESH score as a prognostic tool for shunt surgery response.](#)  
Jóhannsdóttir AM, Pedersen CB, Munthe S, Poulsen FR, Jóhannsson B.  
Clin Neurol Neurosurg. 2024 Jun;241:108295. doi: 10.1016/j.clineuro.2024.108295. Epub 2024 Apr 23.  
PMID: 38701548
15. [Evaluating the Efficacy of Perfusion MRI and Conventional MRI in Distinguishing Recurrent Cerebral Metastasis from Brain Radiation Necrosis.](#)  
Schack A, Aunan-Diop JS, Gerhardt FA, Pedersen CB, Halle B, Kofoed MS, Markovic L, Wirenfeldt M, Poulsen FR.  
Brain Sci. 2024 Mar 27;14(4):321. doi: 10.3390/brainsci14040321.  
PMID: 38671973 Free PMC article.
16. [Reliability and performance of the IRRFlow® system for intracranial lavage and evacuation of hematomas-A technical note.](#)  
Haldrup M, Nazari M, Gu C, Rasmussen M, Dyrskog S, Simonsen CZ, Grønhøj M, Poulsen FR, Ur Rehman N, Rosendal Korshøj A.  
PLoS One. 2024 Apr 16;19(4):e0297131. doi: 10.1371/journal.pone.0297131. eCollection 2024.  
PMID: 38626156 Free PMC article.
17. [Prognostic factors to predict postoperative survival in patients with recurrent glioblastoma.](#)  
Hansen ST, Jacobsen KS, Kofoed MS, Petersen JK, Boldt HB, Dahlrot RH, Schulz MK, Poulsen FR.  
World Neurosurg X. 2024 Mar 13;23:100308. doi: 10.1016/j.wnsx.2024.100308. eCollection 2024 Jul.  
PMID: 38584878 Free PMC article.
18. [Intracranial ventricular shunts.](#)  
Nielsen ET, Nortvig MJ, Minthe S, Pedersen CB, Poulsen FR, Andersen MS.  
Ugeskr Laeger. 2024 Mar 11;186(11):V08230515. doi: 10.61409/V08230515.  
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19. [PDP type brain tumor in association with multiple endocrine neoplasia type 1.](#)  
Einarsson HB, Frederiksen AL, Pedersen IS, Etrup MS, Wirenfeldt M, Boldt H, Nguyen N, Andersen MS, Bjarkam CR, Poulsen FR.  
Heliyon. 2024 Mar 12;10(6):e27418. doi: 10.1016/j.heliyon.2024.e27418. eCollection 2024 Mar 30.  
PMID: 38510015 Free PMC article.

20. [Treatment of chronic subdural haematoma.](#)  
Jensen TSR, Grønhøj MH, Miscov R, Sindby AKR, Poulsen FR, Bjarkam CR, Bergholt B, Fugleholm K. Ugeskr Laeger. 2024 Feb 12;186(7):V10230628. doi: 10.61409/V10230628. PMID: 38445329 Review. Danish.
21. [Descriptive registry study on outcome and complications of external ventricular drainage treatment of intraventricular haemorrhage in a Danish cohort: a study protocol.](#)  
Gu C, Haldrup M, Rasmussen M, Dyrskog S, Simonsen CZ, Grønhøj MH, Poulsen FR, Busse T, Wismann J, Debrabant B, Korshøj AR. BMJ Open. 2024 Jan 18;14(1):e075997. doi: 10.1136/bmjopen-2023-075997. PMID: 38238178 Free PMC article.
22. [Increased intracranial pressure in acute bacterial meningitis.](#)  
Hvas CL, Andersen ÅB, Møller K, Hansen K, Poulsen FR, Overgaard-Steensen C. Ugeskr Laeger. 2023 Dec 18;185(51):V06230363. PMID: 38105735 Review. Danish.
23. [Meningioma animal models: a systematic review and meta-analysis.](#)  
Andersen MS, Kofoed MS, Paludan-Müller AS, Pedersen CB, Mathiesen T, Mawrin C, Wirenfeldt M, Kristensen BW, Olsen BB, Halle B, Poulsen FR. J Transl Med. 2023 Oct 28;21(1):764. doi: 10.1186/s12967-023-04620-7. PMID: 37898750 Free PMC article.
24. [Intraoperative Irrigation and Risk of Chronic Subdural Hematoma Recurrence.](#)  
Schack A, Rønn Jensen TS, Jensen MH, Miscov R, Sindby AK, Fugleholm K, Bergholt B, Bjarkam CR, Poulsen FR, Grønhøj MH. Oper Neurosurg (Hagerstown). 2024 Feb 1;26(2):203-212. doi: 10.1227/ons.0000000000000941. Epub 2023 Oct 11. PMID: 37819102
25. [Intraventricular Lavage vs External Ventricular Drainage for Intraventricular Hemorrhage: A Randomized Clinical Trial.](#)  
Haldrup M, Rasmussen M, Mohamad N, Dyrskog S, Thorup L, Mikic N, Wismann J, Grønhøj M, Poulsen FR, Nazari M, Rehman NU, Simonsen CZ, Korshøj AR. JAMA Netw Open. 2023 Oct 2;6(10):e2335247. doi: 10.1001/jamanetworkopen.2023.35247. PMID: 37815832 Free PMC article. Clinical Trial.
26. [Focused ultrasound for the treatment of brain tumors.](#)  
Schack A, Pedersen CB, von Oettingen G, Dahlrot RH, Cortnum S, Korshøj AR, Poulsen FR. Ugeskr Laeger. 2023 Sep 11;185(37):V01230007. PMID: 37772498 Danish.
27. [USP25 Inhibits Neuroinflammatory Responses After Cerebral Ischemic Stroke by Deubiquitinating TAB2.](#)  
Li Z, Liu B, Lambertsen KL, Clausen BH, Zhu Z, Du X, Xu Y, Poulsen FR, Halle B, Bonde C, Chen M, Wang X, Schlüter D, Huang J, Waisman A, Song W, Wang X. Adv Sci (Weinh). 2023 Oct;10(28):e2301641. doi: 10.1002/adv.202301641. Epub 2023 Aug 16. PMID: 37587766 Free PMC article.
28. [Biomarkers used as risk assessment of mild head injuries.](#)  
Jochumsen EA, Rosenlund C, Poulsen FR. Ugeskr Laeger. 2023 Aug 21;185(34):V04230257. PMID: 37622606 Review. Danish.
29. [Inhibition of cystathionine-gamma lyase dampens vasoconstriction in mouse and human intracerebral arterioles.](#)  
Peleli M, Lyngso KS, Poulsen FR, Hansen PBL, Papapetropoulos A, Stubbe J. Acta Physiol (Oxf). 2023 Sep;239(1):e14021. doi: 10.1111/apha.14021. Epub 2023 Aug 9. PMID: 37555636
30. [Prompt closure versus gradual weaning of external ventricular drainage for hydrocephalus following aneurysmal subarachnoid haemorrhage: Protocol for the DRAIN randomised clinical trial.](#)  
Capion T, Lilja-Cyron A, Olsen MH, Juhler M, Møller K, Sorteberg A, Rønning PA, Poulsen FR, Wismann J, Ravlo C, Isaksen J, Lindschou J, Gluud C, Mathiesen T. Acta Anaesthesiol Scand. 2023 Sep;67(8):1121-1127. doi: 10.1111/aas.14263. Epub 2023 May 10.

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31. [Ventriculosinus shunt: a pilot study to investigate new technology to treat hydrocephalus and mimic physiological principles of cerebrospinal fluid drainage.](#)  
Munthe S, Pedersen CB, Poulsen FR, Andersen MS, Børgesen SE.  
J Neurosurg. 2023 Apr 21;139(5):1412-1419. doi: 10.3171/2023.3.JNS222858. Print 2023 Nov 1.  
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32. [Retinal vessel dynamics analysis as a surrogate marker for raised intracranial pressure in patients with suspected idiopathic intracranial hypertension.](#)  
Hagen SM, Wibroe EA, Korsbæk JJ, Andersen MS, Nielsen AB, Nortvig MJ, Beier D, Poulsen FR, Jensen RH, Hamann S.  
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33. [Intraoperative neuromonitoring during intradural spinal neurosurgery.](#)  
Fjord-Larsen S, Rasmussen MM, Gudmundsdottir G, Carlsen JG, Bazys M, Montvilas EQ, Tankisi H, Meier KS, Poulsen FR, Einarsson HB.  
Ugeskr Laeger. 2023 Jan 16;185(3):V08220514.  
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34. [Treatment of Intraventricular Hemorrhage with External Ventricular Drainage and Fibrinolysis: A Comprehensive Systematic Review and Meta-Analysis of Complications and Outcome.](#)  
Haldrup M, Miscov R, Mohamad N, Rasmussen M, Dyrskog S, Simonsen CZ, Grønhøj M, Poulsen FR, Bjarkam CR, Debrabant B, Korshøj AR.  
World Neurosurg. 2023 Jun;174:183-196.e6. doi: 10.1016/j.wneu.2023.01.021. Epub 2023 Jan 12.  
PMID: 36642373 Review.
35. [Study protocol for ACTIVE study: safety and feasibility evaluation of external ventricular drainage with ACTIVE fluid exchange in intraventricular hemorrhage-a phase 2, multi-center, randomized controlled trial.](#)  
Haldrup M, Mohamad N, Rasmussen M, Thorup L, Dyrskog S, Simonsen CZ, Miscov R, Bjarkam CR, Grønhøj M, Poulsen FR, Korshøj AR.  
Trials. 2022 Dec 29;23(1):1062. doi: 10.1186/s13063-022-07043-9.  
PMID: 36581996 Free PMC article.
36. [Virtual magnetic resonance elastography predicts the intraoperative consistency of meningiomas.](#)  
Aunan-Diop JS, Andersen MCS, Friismose AI, Halle B, Pedersen CB, Mussmann B, Grønhøj MH, Nielsen TH, Jensen U, Poulsen FR.  
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37. [Reply: A transvenous pressure gradient can explain the MR elastography findings in normal pressure hydrocephalus.](#)  
Aunan-Diop JS, Poulsen FR.  
Neurosurg Rev. 2022 Dec;45(6):3841-3842. doi: 10.1007/s10143-022-01879-0.  
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38. [The Danish Chronic Subdural Hematoma Study-Risk Factors for Second Recurrence.](#)  
Jensen TSR, Andersen-Ranberg N, Poulsen FR, Bergholt B, Hundsholt T, Fugleholm K.  
World Neurosurg. 2022 Dec;168:e178-e186. doi: 10.1016/j.wneu.2022.09.072. Epub 2022 Sep 21.  
PMID: 36152937
39. [Gene expression analysis during progression of malignant meningioma compared to benign meningioma.](#)  
Maier AD, Meddis A, Mirian C, Haslund-Vinding J, Bartek J, Krog SM, Nguyen TUP, Areškevičiūtė A, Melchior LC, Heegaard S, Kristensen BW, Munch TN, Fugleholm K, Ziebell M, Raleigh DR, Poulsen FR, Gerds TA, Litman T, Scheie D, Mathiesen T.  
J Neurosurg. 2022 Sep 16;138(5):1302-1312. doi: 10.3171/2022.7.JNS22585. Print 2023 May 1.  
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40. [Orthostatic hypotension after cervicomedullary junction surgery: illustrative case.](#)  
Jacobsen KS, Schou RF, Poulsen FR, Pedersen CB.  
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41. [An increased potential for organ donors may be found among patients with out-of-hospital cardiac arrest.](#)  
Rasmussen MA, Moen HS, Milling L, Munthe S, Rosenlund C, Poulsen FR, Brøchner AC, Mikkelsen S. *Scand J Trauma Resusc Emerg Med.* 2022 Aug 17;30(1):50. doi: 10.1186/s13049-022-01037-x.  
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  42. [Tumors of the central nervous system among women treated with fertility drugs: a population-based cohort study.](#)  
Frandsen CLB, Jensen A, Poulsen FR, Møller M, Lindquist S, Albieri V, Nøhr B, Kjær SK. *Cancer Causes Control.* 2022 Oct;33(10):1285-1293. doi: 10.1007/s10552-022-01610-w. Epub 2022 Jul 27.  
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  43. [Development of a Patient Decision Aid to Support Shared Decision Making for Patients with Recurrent High-Grade Glioma.](#)  
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  44. [MIF in the cerebrospinal fluid is decreased during relapsing-remitting while increased in secondary progressive multiple sclerosis.](#)  
Hjæresen S, Sejbaek T, Axelsson M, Mortensen SK, Vinsløv-Jensen H, Pihl-Jensen G, Novakova L, Pedersen CB, Halle B, Poulsen FR, Zhang M, Benedikz E, Frederiksen JL, Lycke J, Illes Z, Fex-Svenningsen Å. *J Neurol Sci.* 2022 Aug 15;439:120320. doi: 10.1016/j.jns.2022.120320. Epub 2022 Jun 13.  
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  45. [Loss of H3K27me3 in WHO grade 3 meningioma.](#)  
Maier AD, Brøchner CB, Mirian C, Haslund-Vinding J, Bartek J Jr, Ekström TJ, Poulsen FR, Scheie D, Mathiesen T. *Brain Tumor Pathol.* 2022 Oct;39(4):200-209. doi: 10.1007/s10014-022-00436-3. Epub 2022 Jun 9.  
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  46. [The prognostic significance of biomarkers in cerebrospinal fluid following severe traumatic brain injury: a systematic review and meta-analysis.](#)  
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  47. [Endonasal Endoscopic Approach for Minimally Invasive Orbital Decompression in Nonthyroid Proptosis-A Scoping Review.](#)  
Ketharanathan B, Andersen MS, Pedersen CB, Darling P, Jakobsen J, Molander LD, Dahlrot RH, Nguyen N, Poulsen FR, Halle B. *World Neurosurg.* 2022 Jun;162:85-90. doi: 10.1016/j.wneu.2022.03.075. Epub 2022 Mar 22.  
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  48. [Postoperative drainage for 6, 12, or 24 h after burr-hole evacuation of chronic subdural hematoma in symptomatic patients \(DRAIN-TIME 2\): study protocol for a nationwide randomized controlled trial.](#)  
Grønhøj MH, Jensen TSR, Sindby AK, Miscov R, Hundsholt T, Debrabant B, Bjarkam CR, Bergholt B, Fugleholm K, Poulsen FR. *Trials.* 2022 Mar 14;23(1):213. doi: 10.1186/s13063-022-06150-x.  
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  49. [Granular clinical history and outcome in 51 patients with primary and secondary malignant meningioma.](#)  
Maier AD, Mirian C, Haslund-Vinding J, Bartek J, Guldager R, Møller S, Munch TN, Fugleholm K, Poulsgaard L, Skjøth-Rasmussen J, Ziebell M, Eriksson LE, Scheie D, Poulsen FR, Mathiesen T. *J Neurosurg.* 2022 Mar 11;137(5):1347-1357. doi: 10.3171/2022.1.JNS212723. Print 2022 Nov 1.  
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  50. [Diagnosis, treatment, and outcome of primary CNS lymphoma-a single-center experience.](#)  
Wismann J, Sommer-Sørensen RH, Kofoed MS, Halle B, Pedersen CB, Schulz MK, Grønhøj MH, Larsen TS, Møller MB, Poulsen FR.

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53. [Preclinical cerebral cryoablation in non-tumor bearing pigs.](#)  
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