

Jerusalem

Department of Neurosurgery, Hebrew University, Hadassah Medical Centre, Jerusalem, [Israel](#).

Publications

Deffains M, Iskhakova L, Katabi S, Israel Z, Bergman H. Longer β oscillatory episodes reliably identify pathological subthalamic activity in [Parkinsonism](#). *Mov Disord*. 2018 Aug 25. doi: 10.1002/mds.27418. [Epub ahead of print] PubMed PMID: 30145811.

2: Berger A, Strauss I, Ben Moshe S, Corn BW, Limon D, Shtraus N, Shahar T, Kanner AA. Neurocognitive evaluation of brain metastases patients treated with post-resection stereotactic radiosurgery: a prospective single arm clinical trial. *J Neurooncol*. 2018 Aug 4. doi: 10.1007/s11060-018-2954-x. [Epub ahead of print] PubMed PMID: 30078070.

3: Blau R, Epshtein Y, Pisarevsky E, Tiram G, Israeli Dangoor S, Yeini E, Krivitsky A, Eldar-Boock A, Ben-Shushan D, Gibori H, Scomparin A, Green O, Ben-Nun Y, Merquiol E, Doron H, Blum G, Erez N, Grossman R, Ram Z, Shabat D, Satchi-Fainaro R. Image-guided surgery using near-infrared Turn-ON fluorescent nanoprobe for precise detection of tumor margins. *Theranostics*. 2018 May 24;8(13):3437-3460. doi: 10.7150/thno.23853. eCollection 2018. PubMed PMID: 30026858; PubMed Central PMCID: PMC6037036.

4: Rappel P, Marmor O, Bick AS, Arkadir D, Linetsky E, Castrioto A, Tamir I, Freedman SA, Mevorach T, Gilad M, Bergman H, Israel Z, Eitan R. Subthalamic theta activity: a novel human subcortical biomarker for obsessive compulsive disorder. *Transl Psychiatry*. 2018 Jun 18;8(1):118. doi: 10.1038/s41398-018-0165-z. PubMed PMID: 29915200; PubMed Central PMCID: PMC6006433.

5: Umansky D, Corn BW, Strauss I, Shtraus N, Constantini S, Frolov V, Maimon S, Kanner AA. Combined treatment approach to cerebral arteriovenous malformation in pediatric patients: stereotactic radiosurgery to partially Onyx-embolized AVM. *Childs Nerv Syst*. 2018 Jun 7. doi: 10.1007/s00381-018-3854-2. [Epub ahead of print] PubMed PMID: 29882061.

6: Tiram G, Ferber S, Ofek P, Eldar-Boock A, Ben-Shushan D, Yeini E, Krivitsky A, Blatt R, Almog N, Henkin J, Amsalem O, Yavin E, Cohen G, Lazarovici P, Lee JS, Ruppin E, Milyavsky M, Grossman R, Ram Z, Calderón M, Haag R, Satchi-Fainaro R. Reverting the molecular fingerprint of tumor dormancy as a therapeutic strategy for glioblastoma. *FASEB J*. 2018 Jun 1:fj201701568R. doi: 10.1096/fj.201701568R. [Epub ahead of print] PubMed PMID: 29856660.

7: Shamir RR, Duchin Y, Kim J, Patriat R, Marmor O, Bergman H, Vitek JL, Sapiro G, Bick A, Eliahou R, Eitan R, Israel Z, Harel N. Microelectrode Recordings Validate the Clinical Visualization of Subthalamic-Nucleus Based on 7T Magnetic Resonance Imaging and Machine Learning for Deep Brain Stimulation Surgery. *Neurosurgery*. 2018 May 24. doi: 10.1093/neuros/nyy212. [Epub ahead of print] PubMed PMID: 29800386.

8: Cohen JE, Gomori JM, Leker RR, Spektor S, Abu El Hassan H, Itshayek E. Stent and flow diverter assisted treatment of acutely ruptured brain aneurysms. *J Neurointerv Surg*. 2018 Sep;10(9):851-858. doi: 10.1136/neurintsurg-2017-013742. Epub 2018 May 19. PubMed PMID: 29778996.

- 9: Thompson JA, Oukal S, Bergman H, Ojemann S, Hebb AO, Hanrahan S, Israel Z, Abosch A. Semi-automated application for estimating subthalamic nucleus boundaries and optimal target selection for deep brain stimulation implantation surgery. *J Neurosurg*. 2018 May 18;1-10. doi: 10.3171/2017.12.JNS171964. [Epub ahead of print] PubMed PMID: 29775152.
- 10: Zalcmán N, Canello T, Ovadia H, Charbit H, Zelikovitch B, Mordechai A, Fellig Y, Rabani S, Shahar T, Lossos A, Lavon I. Androgen receptor: a potential therapeutic target for glioblastoma. *Oncotarget*. 2018 Apr 13;9(28):19980-19993. doi: 10.18632/oncotarget.25007. eCollection 2018 Apr 13. PubMed PMID: 29731997; PubMed Central PMCID: PMC5929440.
- 11: Koton S, Geva D, Streifler JY, Harnof S, Pougach Y, Azrilin O, Hadar S, Bornstein NM, Tanne D. Declining Rate and Severity of Hospitalized Stroke From 2004 to 2013: The National Acute Stroke Israeli Registry. *Stroke*. 2018 Jun;49(6):1348-1354. doi: 10.1161/STROKEAHA.117.019822. Epub 2018 May 2. PubMed PMID: 29720441.
- 12: Nashef A, Cohen O, Israel Z, Harel R, Prut Y. Cerebellar Shaping of Motor Cortical Firing Is Correlated with Timing of Motor Actions. *Cell Rep*. 2018 May 1;23(5):1275-1285. doi: 10.1016/j.celrep.2018.04.035. PubMed PMID: 29719244.
- 13: Mizrahi-Kliger AD, Kaplan A, Israel Z, Bergman H. Desynchronization of slow oscillations in the basal ganglia during natural sleep. *Proc Natl Acad Sci U S A*. 2018 May 1;115(18):E4274-E4283. doi: 10.1073/pnas.1720795115. Epub 2018 Apr 16. PubMed PMID: 29666271; PubMed Central PMCID: PMC5939089.
- 14: Keret A, Shweiki M, Bennett-Back O, Abed-Fteiha F, Matoth I, Shoshan Y, Benifla M. The clinical characteristics of posttraumatic epilepsy following moderate-to-severe traumatic brain injury in children. *Seizure*. 2018 May;58:29-34. doi: 10.1016/j.seizure.2018.03.018. Epub 2018 Mar 20. PubMed PMID: 29609147.
- 15: Deshaies JE, Shkreta L, Moszczynski AJ, Sidibé H, Semmler S, Fouillen A, Bennett ER, Bekenstein U, Destroismaisons L, Toutant J, Delmotte Q, Volkening K, Stabile S, Aulas A, Khalfallah Y, Soreq H, Nanci A, Strong MJ, Chabot B, Vande Velde C. TDP-43 regulates the alternative splicing of hnRNP A1 to yield an aggregation-prone variant in amyotrophic lateral sclerosis. *Brain*. 2018 May 1;141(5):1320-1333. doi: 10.1093/brain/awy062. PubMed PMID: 29562314; PubMed Central PMCID: PMC5917749.
- 16: Bartels S, Adisa A, Aladelusi T, Lemound J, Stucki-Koch A, Hussein S, Kreipe H, Hartmann C, Lehmann U, Hussein K. Molecular defects in BRAF wild-type ameloblastomas and craniopharyngiomas-differences in mutation profiles in epithelial-derived oropharyngeal neoplasms. *Virchows Arch*. 2018 Jun;472(6):1055-1059. doi: 10.1007/s00428-018-2323-3. Epub 2018 Mar 15. PubMed PMID: 29546640.
- 17: Daniels D, Sharabi S, Last D, Guez D, Salomon S, Zivli Z, Castel D, Volovick A, Grinfeld J, Rachmilevich I, Amar T, Liraz-Zaltsman S, Sargsyan N, Mardor Y, Harnof S. Focused Ultrasound-Induced Suppression of Auditory Evoked Potentials in Vivo. *Ultrasound Med Biol*. 2018 May;44(5):1022-1030. doi: 10.1016/j.ultrasmedbio.2018.01.010. Epub 2018 Feb 28. PubMed PMID: 29501283.
- 18: Itshayek E, Candanedo C, Fraifeld S, Hasharoni A, Kaplan L, Schroeder JE, Cohen JE. Ambulation and survival following surgery in elderly patients with metastatic epidural spinal cord compression. *Spine J*. 2018 Jul;18(7):1211-1221. doi: 10.1016/j.spinee.2017.11.020. Epub 2017 Dec 28. PubMed PMID: 29289669.
- 19: Shofty B, Artzi M, Ben Bashat D, Liberman G, Haim O, Kashanian A, Bokstein F, Blumenthal DT,

- Ram Z, Shahar T. MRI radiomics analysis of molecular alterations in low-grade gliomas. *Int J Comput Assist Radiol Surg.* 2018 Apr;13(4):563-571. doi: 10.1007/s11548-017-1691-5. Epub 2017 Dec 21. PubMed PMID: 29270916.
- 20: Fried I, Lossos A, Ben Ami T, Dvir R, Toledano H, Ben Arush MW, Postovski S, Abu Kuidar A, Yalon M, Weintraub M, Benifla M. Preliminary results of immune modulating antibody MDV9300 (pidilizumab) treatment in children with diffuse intrinsic pontine glioma. *J Neurooncol.* 2018 Jan;136(1):189-195. doi: 10.1007/s11060-017-2643-1. Epub 2017 Nov 15. PubMed PMID: 29143272.
- 21: Sapir E, Tao Y, Schipper MJ, Bazzi L, Novelli PM, Devlin P, Owen D, Cuneo KC, Lawrence TS, Parikh ND, Feng M. Stereotactic Body Radiation Therapy as an Alternative to Transarterial Chemoembolization for Hepatocellular Carcinoma. *Int J Radiat Oncol Biol Phys.* 2018 Jan 1;100(1):122-130. doi: 10.1016/j.ijrobp.2017.09.001. Epub 2017 Sep 14. PubMed PMID: 29066120; PubMed Central PMCID: PMC5818982.
- 22: Weisman H, Fried I, Gilboa T, Bennett-Back O, Ekstein D, Shweiki M, Shoshan Y, Benifla M. Prevalence, Characteristics, and Long-Term Prognosis of Epilepsy Associated with Pediatric Brain Tumors. *World Neurosurg.* 2018 Jan;109:e594-e600. doi: 10.1016/j.wneu.2017.10.038. Epub 2017 Oct 17. PubMed PMID: 29054779.
- 23: Shimol EB, Joskowicz L, Eliahou R, Shoshan Y. Computer-based radiological longitudinal evaluation of meningiomas following stereotactic radiosurgery. *Int J Comput Assist Radiol Surg.* 2018 Feb;13(2):215-228. doi: 10.1007/s11548-017-1673-7. Epub 2017 Oct 14. PubMed PMID: 29032421.
- 24: Eitan R, Fontaine D, Benoît M, Giordana C, Darmon N, Israel Z, Linesky E, Arkadir D, Ben-Naim S, Iserlles M, Bergman H, Hulse N, Abdelghani M, McGuffin P, Farmer A, DeLea P, Ashkan K, Lerer B. One year double blind study of high vs low frequency subcallosal cingulate stimulation for depression. *J Psychiatr Res.* 2018 Jan;96:124-134. doi: 10.1016/j.jpsychires.2017.09.026. Epub 2017 Oct 3. PubMed PMID: 29032294.
- 25: Leker RR, Gavriliuc P, Yaghmour NE, Gomori JM, Cohen JE. Increased Risk for Unfavorable Outcome in Patients with Pre-Existing Disability Undergoing Endovascular Therapy. *J Stroke Cerebrovasc Dis.* 2018 Jan;27(1):92-96. doi: 10.1016/j.jstrokecerebrovasdis.2017.08.007. Epub 2017 Sep 4. PubMed PMID: 28882658.
- 26: Wichmann T, Bergman H, DeLong MR. Basal ganglia, movement disorders and deep brain stimulation: advances made through non-human primate research. *J Neural Transm (Vienna).* 2018 Mar;125(3):419-430. doi: 10.1007/s00702-017-1736-5. Epub 2017 Jun 10. Review. PubMed PMID: 28601961; PubMed Central PMCID: PMC5723554.
-
- Meyer E, Carss KJ, Rankin J, Nichols JM, Grozeva D, Joseph AP, Mencacci NE, Papandreou A, Ng J, Barral S, Ngoh A, Ben-Pazi H, Willemsen MA, Arkadir D, Barnicoat A, Bergman H, Bhate S, Boys A, Darin N, Foulds N, Gutowski N, Hills A, Houlden H, Hurst JA, Israel Z, Kaminska M, Limousin P, Lumsden D, McKee S, Misra S, Mohammed SS, Nakou V, Nicolai J, Nilsson M, Pall H, Peall KJ, Peters GB, Prabhakar P, Reuter MS, Rump P, Segel R, Sinnema M, Smith M, Turnpenny P, White SM, Wieczorek D, Wiethoff S, Wilson BT, Winter G, Wragg C, Pope S, Heales SJ, Morrogh D; UK10K Consortium.; Deciphering Developmental Disorders Study.; NIHR BioResource Rare Diseases Consortium., Pittman A, Carr LJ, Perez-Dueñas B, Lin JP, Reis A, Gahl WA, Toro C, Bhatia KP, Wood NW, Kamsteeg EJ, Chong WK, Gissen P, Topf M, Dale RC, Chubb JR, Raymond FL, Kurian MA. Mutations in the histone methyltransferase gene KMT2B cause complex early-onset dystonia. *Nat Genet.* 2016 Dec 19. doi: 10.1038/ng.3740.

[Epub ahead of print] PubMed PMID: 27992417.

Ben-Arie G, Serlin Y, Ivens S, Benifla M, Cagnano E, Melamed I, Merkin V, Shelef I. Diagnosing necrotic meningioma: a distinctive imaging pattern in diffusion MRI and MR spectroscopy. *Neuroradiol J*. 2016 Nov 18. pii: 1971400916678241. [Epub ahead of print] PubMed PMID: 27864577.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=jerusalem>

Last update: **2024/06/07 02:57**

