

Sheba Medical Center

Sheba Medical Center, Tel Hashomer, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

Shnayder B, Levi MR, Kelmer P, Cohen ZR, Ungar L. "Starting on the Right Foot": An [Algorithmic Approach](#) to Facilitate an Improved [ICU Admission](#) Process. Crit Care Nurs Q. 2025 Jul-Sep 01;48(3):274-280. doi: 10.1097/CNQ.0000000000000561. Epub 2025 May 21. PMID: 40423385.

1: Levi B, Borow M, Wapner L, Feldman Z. Home Hospitalization Worldwide and in Israel. Isr Med Assoc J. 2019 Aug;21(8):565-567. PubMed PMID: 31474024.

2: Rath EZ, Hazan Z, Adamsky K, Solomon A, Segal ZI, Levin LA. Randomized Controlled Phase 2a Study of RPh201 in Previous Nonarteritic Anterior Ischemic Optic Neuropathy. J Neuroophthalmol. 2019 Sep;39(3):291-298. doi: 10.1097/WNO.0000000000000786. PubMed PMID: 31430268; PubMed Central PMCID: PMC6705418.

3: Doron H, Amer M, Ershaid N, Blazquez R, Shani O, Lahav TG, Cohen N, Adler O, Hakim Z, Pozzi S, Scomparin A, Cohen J, Yassin M, Monteran L, Grossman R, Tsarfaty G, Luxenburg C, Satchi-Fainaro R, Pukrop T, Erez N. Inflammatory Activation of Astrocytes Facilitates Melanoma Brain Tropism via the CXCL10-CXCR3 Signaling Axis. Cell Rep. 2019 Aug 13;28(7):1785-1798.e6. doi: 10.1016/j.celrep.2019.07.033. PubMed PMID: 31412247.

4: Miron-Shahar Y, Kantelhardt JW, Grinberg A, Hassin-Baer S, Blatt I, Inzelberg R, Plotnik M. Excessive phase synchronization in cortical activation during locomotion in persons with Parkinson's disease. Parkinsonism Relat Disord. 2019 May 22. pii: S1353-8020(19)30251-2. doi: 10.1016/j.parkreldis.2019.05.030. [Epub ahead of print] PubMed PMID: 31383631.

5: Günther M, Bartsch RP, Miron-Shahar Y, Hassin-Baer S, Inzelberg R, Kurths J, Plotnik M, Kantelhardt JW. Coupling Between Leg Muscle Activation and EEG During Normal Walking, Intentional Stops, and Freezing of Gait in Parkinson's Disease. Front Physiol. 2019 Jul 12;10:870. doi: 10.3389/fphys.2019.00870. eCollection 2019. PubMed PMID: 31354521; PubMed Central PMCID: PMC6639586.

6: Agalliu I, Ortega RA, Luciano MS, Mirelman A, Pont-Sunyer C, Brockmann K, Vilas D, Tolosa E, Berg D, Warø B, Glickman A, Raymond D, Inzelberg R, Ruiz-Martinez J, Mondragon E, Friedman E, Hassin-Baer S, Alcalay RN, Mejia-Santana H, Aasly J, Foroud T, Marder K, Giladi N, Bressman S, Saunders-Pullman R. Cancer outcomes among Parkinson's disease patients with leucine rich repeat kinase 2 mutations, idiopathic Parkinson's disease patients, and nonaffected controls. Mov Disord. 2019 Jul 26. doi: 10.1002/mds.27807. [Epub ahead of print] PubMed PMID: 31348549.

7: Tzadok M, Harush A, Nissenkorn A, Zauberman Y, Feldman Z, Ben-Zeev B. Clinical outcomes of closed-loop vagal nerve stimulation in patients with refractory epilepsy. Seizure. 2019 Jul 8;71:140-144. doi: 10.1016/j.seizure.2019.07.006. [Epub ahead of print] PubMed PMID: 31326720.

8: Frank D, Zlotnik A, Kofman O, Grinshpun J, Severynovska O, Brotfain E, Kut R, Natanel D, Melamed I, Boyko M. Early life stress induces submissive behavior in adult rats. Behav Brain Res. 2019 Oct

17;372:112025. doi: 10.1016/j.bbr.2019.112025. Epub 2019 Jun 26. PubMed PMID: 31254880.

9: Peretz S, Raphaeli G, Borenstein N, Leker RR, Brauner R, Horev A, Cohen JE, Telman G, Halevi H, Tanne D. Effect of time from onset to endovascular therapy on outcomes: the National Acute Stroke Israeli (NASIS)-REVASC registry. *J Neurointerv Surg*. 2019 Jun 25. pii: neurintsurg-2019-014928. doi: 10.1136/neurintsurg-2019-014928. [Epub ahead of print] PubMed PMID: 31239333.

10: Peshes-Yeloz N, Ungar L, Wohl A, Jacoby E, Fisher T, Leitner M, Nass D, Rubinek T, Wolf I, Cohen ZR. Role of Klotho Protein in Tumor Genesis, Cancer Progression, and Prognosis in Patients with High-Grade Glioma. *World Neurosurg*. 2019 Jun 20. pii: S1878-8750(19)31634-1. doi: 10.1016/j.wneu.2019.06.082. [Epub ahead of print] PubMed PMID: 31228703.

11: Yao I, Stein ES, Maggio N. Cannabinoids, hippocampal excitability and efficacy for the treatment of epilepsy. *Pharmacol Ther*. 2019 Jun 7. pii: S0163-7258(19)30109-3. doi: 10.1016/j.pharmthera.2019.06.002. [Epub ahead of print] Review. PubMed PMID: 31176695.

12: Nashef A, Cohen O, Harel R, Israel Z, Prut Y. Reversible Block of Cerebellar Outflow Reveals Cortical Circuitry for Motor Coordination. *Cell Rep*. 2019 May 28;27(9):2608-2619.e4. doi: 10.1016/j.celrep.2019.04.100. PubMed PMID: 31141686.

13: Yalon M, Toren A, Jabarin D, Fadida E, Constantini S, Mehrian-Shai R. Elevated NLR May Be a Feature of Pediatric Brain Cancer Patients. *Front Oncol*. 2019 Apr 30;9:327. doi: 10.3389/fonc.2019.00327. eCollection 2019. PubMed PMID: 31114757; PubMed Central PMCID: PMC6502986.

14: Rubio-Gozalbo ME, Haskovic M, Bosch AM, Burnyte B, Coelho AI, Cassiman D, Couce ML, Dawson C, Demirbas D, Derks T, Eyskens F, Forga MT, Grunewald S, Häberle J, Hochuli M, Hubert A, Huidekoper HH, Janeiro P, Kotzka J, Knerr I, Labrune P, Landau YE, Langendonk JG, Möslinger D, Müller-Wieland D, Murphy E, Öunap K, Ramadza D, Rivera IA, Scholl-Buergi S, Stepien KM, Thijs A, Tran C, Vara R, Visser G, Vos R, de Vries M, Waisbren SE, Welsink-Karssies MM, Wortmann SB, Gautschi M, Treacy EP, Berry GT. The natural history of classic galactosemia: lessons from the GalNet registry. *Orphanet J Rare Dis*. 2019 Apr 27;14(1):86. doi: 10.1186/s13023-019-1047-z. PubMed PMID: 31029175; PubMed Central PMCID: PMC6486996.

15: Ostrom QT, Egan KM, Nabors LB, Gerke T, Thompson RC, Olson JJ, LaRocca R, Chowdhary S, Eckel-Passow JE, Armstrong G, Wiencke JK, Bernstein JL, Claus EB, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Houlston RS, Jenkins RB, Wrensch MR, Melin B, Amos CI, Huse JT, Barnholtz-Sloan JS, Bondy ML. Glioma risk associated with extent of estimated European genetic ancestry in African Americans and Hispanics. *Int J Cancer*. 2019 Apr 9. doi: 10.1002/ijc.32318. [Epub ahead of print] PubMed PMID: 30963577.

16: Leker RR, Cohen JE, Horev A, Tanne D, Orion D, Raphaeli G, Amsalem J, Streifler JY, Hallevi H, Bornstein NM, Yaghmour NE, Telman G; NASIS-REVASC Study Group. Impact of previous stroke on outcome after thrombectomy in patients with large vessel occlusion. *Int J Stroke*. 2019 Apr 4:1747493019841244. doi: 10.1177/1747493019841244. [Epub ahead of print] PubMed PMID: 30947643.

17: Molina CA, Theodore N, Ahmed AK, Westbroek EM, Mirovsky Y, Harel R, Orru' E, Khan M, Witham T, Sciubba DM. Augmented reality-assisted pedicle screw insertion: a cadaveric proof-of-concept study. *J Neurosurg Spine*. 2019 Mar 29:1-8. doi: 10.3171/2018.12.SPINE181142. [Epub ahead of print] PubMed PMID: 30925479.

18: Ozeri O, Cohen ZR, Hadani M, Nass D, Shimon I, Rubinfeld H. Antibody array strategy for human

growth factor secretome profiling of GH-secreting adenomas. *Pituitary*. 2019 Aug;22(4):344-352. doi: 10.1007/s11102-019-00955-x. PubMed PMID: 30895501.

19: Israeli-Korn SD, Fay-Karmon T, Tessler S, Yahalom G, Benizri S, Strauss H, Zibly Z, Spiegelmann R, Hassin-Baer S. Decreasing battery life in subthalamic deep brain stimulation for Parkinson's disease with repeated replacements: Just a matter of energy delivered? *Brain Stimul*. 2019 Jul - Aug;12(4):845-850. doi: 10.1016/j.brs.2019.02.008. Epub 2019 Feb 22. PubMed PMID: 30876884.

20: Welby JP, Kaptzan T, Wohl A, Peterson TE, Raghunathan A, Brown DA, Gupta SK, Zhang L, Daniels DJ. Current Murine Models and New Developments in H3K27M Diffuse Midline Gliomas. *Front Oncol*. 2019 Feb 27;9:92. doi: 10.3389/fonc.2019.00092. eCollection 2019. PubMed PMID: 30873381; PubMed Central PMCID: PMC6400847.

21: Alcalay RN, Mallett V, Vanderperre B, Tavassoly O, Dauvilliers Y, Wu RYJ, Ruskey JA, Leblond CS, Ambalavanan A, Laurent SB, Spiegelman D, Dionne-Laporte A, Liong C, Levy OA, Fahn S, Waters C, Kuo SH, Chung WK, Ford B, Marder KS, Kang UJ, Hassin-Baer S, Greenbaum L, Trempe JF, Wolf P, Oliva P, Zhang XK, Clark LN, Langlois M, Dion PA, Fon EA, Dupre N, Rouleau GA, Gan-Or Z. SMPD1 mutations, activity, and α -synuclein accumulation in Parkinson's disease. *Mov Disord*. 2019 Apr;34(4):526-535. doi: 10.1002/mds.27642. Epub 2019 Feb 20. PubMed PMID: 30788890; PubMed Central PMCID: PMC6469643.

22: Morgoulis D, Berenstein P, Cazacu S, Kazimirsky G, Dori A, Barnea ER, Brodie C. sPIF promotes myoblast differentiation and utrophin expression while inhibiting fibrosis in Duchenne muscular dystrophy via the H19/miR-675/let-7 and miR-21 pathways. *Cell Death Dis*. 2019 Jan 28;10(2):82. doi: 10.1038/s41419-019-1307-9. PubMed PMID: 30692507; PubMed Central PMCID: PMC6349844.

23: Shavit-Stein E, Sheinberg E, Golderman V, Sharabi S, Wohl A, Gofrit SG, Zivli Z, Shelestovich N, Last D, Guez D, Daniels D, Gera O, Feingold K, Itsekson-Hayosh Z, Rosenberg N, Tamarin I, Dori A, Maggio N, Mardor Y, Chapman J, Harnof S. A Novel Compound Targeting Protease Receptor 1 Activators for the Treatment of Glioblastoma. *Front Neurol*. 2018 Dec 17;9:1087. doi: 10.3389/fneur.2018.01087. eCollection 2018. PubMed PMID: 30619047; PubMed Central PMCID: PMC6304418.

24: Yahalom G, Greenbaum L, Israeli-Korn S, Fay-Karmon T, Livneh V, Ruskey JA, Roncière L, Alam A, Gan-Or Z, Hassin-Baer S. Carriers of both GBA and LRRK2 mutations, compared to carriers of either, in Parkinson's disease: Risk estimates and genotype-phenotype correlations. *Parkinsonism Relat Disord*. 2019 May;62:179-184. doi: 10.1016/j.parkreldis.2018.12.014. Epub 2018 Dec 13. PubMed PMID: 30573413.

25: Guez D, Last D, Daniels D, Sharabi S, Nass D, Nissim O, Spiegelmann R, Tzarfaty G, Hoffmann C, Talianski A, Shoshan Y, Fellig Y, Harnof S, Cohen ZR, Zach L, Mardor Y. Radiation-induced vascular malformations in the brain, mimicking tumor in MRI-based treatment response assessment maps (TRAMs). *Clin Transl Radiat Oncol*. 2018 Nov 14;15:1-6. doi: 10.1016/j.ctr.2018.11.004. eCollection 2019 Feb. PubMed PMID: 30547098; PubMed Central PMCID: PMC6282630.

26: Magid L, Heymann S, Elgali M, Avram L, Cohen Y, Liraz-Zaltsman S, Mechoulam R, Shohami E. Role of CB(2) Receptor in the Recovery of Mice after Traumatic Brain Injury. *J Neurotrauma*. 2019 Jun;36(11):1836-1846. doi: 10.1089/neu.2018.6063. Epub 2019 Feb 7. PubMed PMID: 30489198; PubMed Central PMCID: PMC6551996.

27: Amirian ES, Ostrom QT, Armstrong GN, Lai RK, Gu X, Jacobs DI, Jalali A, Claus EB, Barnholtz-Sloan JS, Il'yasova D, Schildkraut JM, Ali-Osman F, Sadetzki S, Jenkins RB, Lachance DH, Olson SH, Bernstein

JL, Merrell RT, Wrensch MR, Johansen C, Houlston RS, Scheurer ME, Shete S, Amos CI, Melin B, Bondy ML. Aspirin, NSAIDs, and Glioma Risk: Original Data from the Glioma International Case-Control Study and a Meta-analysis. *Cancer Epidemiol Biomarkers Prev.* 2019 Mar;28(3):555-562. doi: 10.1158/1055-9965.EPI-18-0702. Epub 2018 Nov 27. PubMed PMID: 30482874; PubMed Central PMCID: PMC6401283.

28: Pennells L, Kaptoge S, Wood A, Sweeting M, Zhao X, White I, Burgess S, Willeit P, Bolton T, Moons KGM, van der Schouw YT, Selmer R, Khaw KT, Gudnason V, Assmann G, Amouyel P, Salomaa V, Kivimaki M, Nordestgaard BG, Blaha MJ, Kuller LH, Brenner H, Gillum RF, Meisinger C, Ford I, Knuiman MW, Rosengren A, Lawlor DA, Völzke H, Cooper C, Marín Ibañez A, Casiglia E, Kauhanen J, Cooper JA, Rodriguez B, Sundström J, Barrett-Connor E, Dankner R, Nietert PJ, Davidson KW, Wallace RB, Blazer DG, Björkelund C, Donfrancesco C, Krumholz HM, Nissinen A, Davis BR, Coady S, Whincup PH, Jørgensen T, Ducimetiere P, Trevisan M, Engström G, Crespo CJ, Meade TW, Visser M, Kromhout D, Kiechl S, Daimon M, Price JF, Gómez de la Cámara A, Wouter Jukema J, Lamarche B, Onat A, Simons LA, Kavousi M, Ben-Shlomo Y, Gallacher J, Dekker JM, Arima H, Shara N, Tipping RW, Roussel R, Brunner EJ, Koenig W, Sakurai M, Pavlovic J, Gansevoort RT, Nagel D, Goldbourt U, Barr ELM, Palmieri L, Njølstad I, Sato S, Monique Verschuren WM, Varghese CV, Graham I, Onuma O, Greenland P, Woodward M, Ezzati M, Psaty BM, Sattar N, Jackson R, Ridker PM, Cook NR, D'Agostino RB, Thompson SG, Danesh J, Di Angelantonio E; Emerging Risk Factors Collaboration. Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. *Eur Heart J.* 2019 Feb 14;40(7):621-631. doi: 10.1093/eurheartj/ehy653. PubMed PMID: 30476079; PubMed Central PMCID: PMC6374687.

29: Israeli-Korn SD, Barliya A, Paquette C, Franzén E, Inzelberg R, Horak FB, Flash T. Intersegmental coordination patterns are differently affected in Parkinson's disease and cerebellar ataxia. *J Neurophysiol.* 2019 Feb 1;121(2):672-689. doi: 10.1152/jn.00788.2017. Epub 2018 Nov 21. PubMed PMID: 30461364; PubMed Central PMCID: PMC6397403.

30: Leker RR, Cohen JE, Tanne D, Orion D, Telman G, Raphaeli G, Amsalem J, Streifler JY, Hallevi H, Gavriliuc P, Bornstein NM, Horev A, Yaghmour NE. Direct Thrombectomy versus Bridging for Patients with Emergent Large-Vessel Occlusions. *Interv Neurol.* 2018 Oct;7(6):403-412. doi: 10.1159/000489575. Epub 2018 Jul 4. PubMed PMID: 30410518; PubMed Central PMCID: PMC6216721.

31: Romem R, Tanne D, Geva D, Einhorn-Cohen M, Shlomo N, Bar-Yehuda S, Harnof S. Antithrombotic Treatment Prior to Intracerebral Hemorrhage: Analysis in the National Acute Stroke Israeli Registry. *J Stroke Cerebrovasc Dis.* 2018 Nov;27(11):3380-3386. doi: 10.1016/j.jstrokecerebrovasdis.2018.07.040. Epub 2018 Sep 9. PubMed PMID: 30205997.

32: Marcus M, Smith A, Maswadeh A, Shemesh Z, Zak I, Motiei M, Schori H, Margel S, Sharoni A, Shefi O. Magnetic Targeting of Growth Factors Using Iron Oxide Nanoparticles. *Nanomaterials (Basel).* 2018 Sep 10;8(9). pii: E707. doi: 10.3390/nano8090707. PubMed PMID: 30201889; PubMed Central PMCID: PMC6163445.

33: Sharabi S, Daniels D, Last D, Guez D, Zivli Z, Castel D, Levy Y, Volovick A, Grinfeld J, Rachmilevich I, Amar T, Mardor Y, Harnof S. Non-thermal focused ultrasound induced reversible reduction of essential tremor in a rat model. *Brain Stimul.* 2019 Jan - Feb;12(1):1-8. doi: 10.1016/j.brs.2018.08.014. Epub 2018 Aug 27. PubMed PMID: 30181107.

34: Shiran SI, Ben-Sira L, Elhasid R, Roth J, Tabori U, Yalon M, Constantini S, Dvir R. Multiple Brain Developmental Venous Anomalies as a Marker for Constitutional Mismatch Repair Deficiency Syndrome. *AJNR Am J Neuroradiol.* 2018 Oct;39(10):1943-1946. doi: 10.3174/ajnr.A5766. Epub 2018

Aug 30. PubMed PMID: 30166433.

35: Ostrom QT, Kinnersley B, Armstrong G, Rice T, Chen Y, Wiencke JK, McCoy LS, Hansen HM, Amos CI, Bernstein JL, Claus EB, Eckel-Passow JE, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Rubin JB, Andersson U, Rajaraman P, Chanock SJ, Linet MS, Wang Z, Yeager M; GliomaScan consortium, Houlston RS, Jenkins RB, Wrensch MR, Melin B, Bondy ML, Barnholtz-Sloan JS. Age-specific genome-wide association study in glioblastoma identifies increased proportion of 'lower grade glioma'-like features associated with younger age. *Int J Cancer*. 2018 Nov 15;143(10):2359-2366. doi: 10.1002/ijc.31759. Epub 2018 Sep 19. PubMed PMID: 30152087; PubMed Central PMCID: PMC6205887.

36: Ostrom QT, Coleman W, Huang W, Rubin JB, Lathia JD, Berens ME, Speyer G, Liao P, Wrensch MR, Eckel-Passow JE, Armstrong G, Rice T, Wiencke JK, McCoy LS, Hansen HM, Amos CI, Bernstein JL, Claus EB, Houlston RS, Il'yasova D, Jenkins RB, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Andersson U, Rajaraman P, Chanock SJ, Linet MS, Wang Z, Yeager M; GliomaScan consortium, Melin B, Bondy ML, Barnholtz-Sloan JS. Sex-specific gene and pathway modeling of inherited glioma risk. *Neuro Oncol*. 2019 Jan 1;21(1):71-82. doi: 10.1093/neuonc/noy135. PubMed PMID: 30124908; PubMed Central PMCID: PMC6303471.

37: Maggio N, Vlachos A. Tumor necrosis factor (TNF) modulates synaptic plasticity in a concentration-dependent manner through intracellular calcium stores. *J Mol Med (Berl)*. 2018 Oct;96(10):1039-1047. doi: 10.1007/s00109-018-1674-1. Epub 2018 Aug 2. PubMed PMID: 30073573.

38: Blauwendraat C, Reed X, Kia DA, Gan-Or Z, Lesage S, Pihlstrøm L, Guerreiro R, Gibbs JR, Sabir M, Ahmed S, Ding J, Alcalay RN, Hassin-Baer S, Pittman AM, Brooks J, Edsall C, Hernandez DG, Chung SJ, Goldwurm S, Toft M, Schulte C, Bras J, Wood NW, Brice A, Morris HR, Scholz SW, Nalls MA, Singleton AB, Cookson MR; COURAGE-PD (Comprehensive Unbiased Risk Factor Assessment for Genetics and Environment in Parkinson's Disease) Consortium, the French Parkinson's Disease Consortium, and the International Parkinson's Disease Genomics Consortium (IPDGC). Frequency of Loss of Function Variants in LRRK2 in Parkinson Disease. *JAMA Neurol*. 2018 Nov 1;75(11):1416-1422. doi: 10.1001/jamaneurol.2018.1885. PubMed PMID: 30039155; PubMed Central PMCID: PMC6248108.

39: Shavit Stein E, Ben Shimon M, Artan Furman A, Golderman V, Chapman J, Maggio N. Thrombin Inhibition Reduces the Expression of Brain Inflammation Markers upon Systemic LPS Treatment. *Neural Plast*. 2018 Jun 19;2018:7692182. doi: 10.1155/2018/7692182. eCollection 2018. PubMed PMID: 30018633; PubMed Central PMCID: PMC6029482.

40: Brainstorm Consortium, Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, Patsopoulos NA, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenneur L, Hannequin D, Amouyel P, Boland A, Deleuze JF, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Nöthen MM, Rossor M, Lupton MK, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee SJ, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JI, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh KH, Cuenca-Leon E, Furlotte N, Kurth T, Ligthart L, Terwindt GM, Freilinger T, Ran C, Gordon SD, Borck G, Adams HHH, Lehtimäki T, Wedenoja J, Buring JE, Schürks M, Hrafnisdottir M, Hottenga JJ, Penninx B, Artto V, Kaunisto M, Vepsäläinen S, Martin NG, Montgomery GW, Kurki MI, Hämläinen E, Huang H, Huang J, Sandor C, Webber C, Muller-Myhsok B,

Schreiber S, Salomaa V, Loehrer E, Göbel H, Macaya A, Pozo-Rosich P, Hansen T, Werge T, Kaprio J, Metspalu A, Kubisch C, Ferrari MD, Belin AC, van den Maagdenberg AMJM, Zwart JA, Boomsma D, Eriksson N, Olesen J, Chasman DI, Nyholt DR, Avbersek A, Baum L, Berkovic S, Bradfield J, Buono RJ, Catarino CB, Cossette P, De Jonghe P, Depondt C, Dlugos D, Ferraro TN, French J, Hjalgrim H, Jamnadas-Khoda J, Kälviäinen R, Kunz WS, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Møller RS, Molloy A, Ng PW, Oliver K, Privitera M, Radtke R, Ruppert AK, Sander T, Schachter S, Schankin C, Scheffer I, Schoch S, Sisodiya SM, Smith P, Sperling M, Striano P, Surges R, Thomas GN, Visscher F, Whelan CD, Zara F, Heinzen EL, Marson A, Becker F, Stroink H, Zimprich F, Gasser T, Gibbs R, Heutink P, Martinez M, Morris HR, Sharma M, Ryten M, Mok KY, Pulit S, Bevan S, Holliday E, Attia J, Battey T, Boncoraglio G, Thijs V, Chen WM, Mitchell B, Rothwell P, Sharma P, Sudlow C, Vicente A, Markus H, Kourkoulis C, Pera J, Raffeld M, Silliman S, Boraska Perica V, Thornton LM, Huckins LM, William Rayner N, Lewis CM, Gratacos M, Rybakowski F, Keski-Rahkonen A, Raevuori A, Hudson JL, Reichborn-Kjennerud T, Monteleone P, Karwautz A, Mannik K, Baker JH, O'Toole JK, Trace SE, Davis OSP, Helder SG, Ehrlich S, Herpertz-Dahlmann B, Danner UN, van Elburg AA, Clementi M, Forzan M, Docampo E, Lissowska J, Hauser J, Tortorella A, Maj M, Gonidakis F, Tziouvas K, Papezova H, Yilmaz Z, Wagner G, Cohen-Woods S, Herms S, Julià A, Rabionet R, Dick DM, Ripatti S, Andreassen OA, Espeseth T, Lundervold AJ, Steen VM, Pinto D, Scherer SW, Aschauer H, Schosser A, Alfredsson L, Padyukov L, Halmi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos-Quiroga JA, Sánchez-Mora C, Ribasés M, Casas M, Hervás A, Arranz MJ, Haavik J, Zayats T, Johansson S, Williams N, Dempfle A, Rothenberger A, Kuntsi J, Oades RD, Banaschewski T, Franke B, Buitelaar JK, Arias Vasquez A, Doyle AE, Reif A, Lesch KP, Freitag C, Rivero O, Palmason H, Romanos M, Langley K, Rietschel M, Witt SH, Dalsgaard S, Børglum AD, Waldman I, Wilmot B, Molly N, Bau CHD, Crosbie J, Schachar R, Loo SK, McGough JJ, Grevet EH, Medland SE, Robinson E, Weiss LA, Bacchelli E, Bailey A, Bal V, Battaglia A, Betancur C, Bolton P, Cantor R, Celestino-Soper P, Dawson G, De Rubeis S, Duque F, Green A, Klauck SM, Leboyer M, Levitt P, Maestrini E, Mane S, De-Luca DM, Parr J, Regan R, Reichenberg A, Sandin S, Vorstman J, Wassink T, Wijsman E, Cook E, Santangelo S, Delorme R, Rogé B, Magalhaes T, Arking D, Schulze TG, Thompson RC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamain S, Maaser A, Fischer SB, Reinbold CS, Fullerton JM, Guzman-Parra J, Mayoral F, Schofield PR, Cichon S, Mühleisen TW, Degenhardt F, Schumacher J, Bauer M, Mitchell PB, Gershon ES, Rice J, Potash JB, Zandi PP, Craddock N, Ferrier IN, Alda M, Rouleau GA, Turecki G, Ophoff R, Pato C, Anjorin A, Stahl E, Leber M, Czerski PM, Cruceanu C, Jones IR, Posthuma D, Andlauer TFM, Forstner AJ, Streit F, Baune BT, Air T, Sinnamoni G, Wray NR, MacIntyre DJ, Porteous D, Homuth G, Rivera M, Grove J, Middeldorp CM, Hickie I, Pergadia M, Mehta D, Smit JH, Jansen R, de Geus E, Dunn E, Li QS, Nauck M, Schoevers RA, Beekman AT, Knowles JA, Viktorin A, Arnold P, Barr CL, Bedoya-Berrio G, Bienvenu OJ, Brentani H, Burton C, Camarena B, Cappi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys D, Derks EM, Dietrich A, Fernandez T, Figee M, Freimer N, Gerber G, Grados M, Greenberg E, Hanna GL, Hartmann A, Hirschtritt ME, Hoekstra PJ, Huang A, Huyser C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lochner C, Lyon GJ, Macciardi F, Madruga-Garrido M, Malaty IA, Maras A, McGrath L, Miguel EC, Mir P, Nestadt G, Nicolini H, Okun MS, Pakstis A, Paschou P, Piacentini J, Pittenger C, Plessen K, Ramensky V, Ramos EM, Reus V, Richter MA, Riddle MA, Robertson MM, Roessner V, Rosário M, Samuels JF, Sandor P, Stein DJ, Tsetsos F, Van Nieuwerburgh F, Weatherall S, Wendland JR, Wolanczyk T, Worbe Y, Zai G, Goes FS, McLaughlin N, Nestadt PS, Grabe HJ, Depienne C, Konkashbaev A, Lanzagorta N, Valencia-Duarte A, Bramon E, Buccola N, Cahn W, Cairns M, Chong SA, Cohen D, Crespo-Facorro B, Crowley J, Davidson M, DeLisi L, Dinan T, Donohoe G, Drapeau E, Duan J, Haan L, Hougaard D, Karachanak-Yankova S, Khrunin A, Klovins J, Kučinskas V, Lee Chee Keong J, Limborska S, Loughland C, Lönngqvist J, Maher B, Mattheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quedstedt D, Roussos P, Sanders AR, Schall U, Schwab SG, Sim K, So HC, Stögmayer E, Subramaniam M, Toncheva D, Waddington J, Walters J, Weiser M, Cheng W, Cloninger R, Curtis D, Gejman PV, Henskens F, Mattingsdal M, Oh SY, Scott R, Webb B, Breen G, Churchhouse C, Bulik CM, Daly M, Dichgans M, Faraone SV, Guerreiro R, Holmans P, Kendler KS, Koeleman B, Mathews CA, Price A, Scharf J, Sklar P,

- Williams J, Wood NW, Cotsapas C, Palotie A, Smoller JW, Sullivan P, Rosand J, Corvin A, Neale BM, Schott JM, Anney R, Elia J, Grigoriou-Serbanescu M, Edenberg HJ, Murray R. Analysis of shared heritability in common disorders of the brain. *Science*. 2018 Jun 22;360(6395). pii: eaap8757. doi: 10.1126/science.aap8757. PubMed PMID: 29930110; PubMed Central PMCID: PMC6097237.
- 41: Dubouloz A, Rouzaud M, Tsvang L, Verbakel W, Björkqvist M, Linthout N, Lencart J, Pérez-Moreno JM, Ozen Z, Escude L, Zilli T, Miralbell R. Urethra-sparing stereotactic body radiotherapy for prostate cancer: how much can the rectal wall dose be reduced with or without an endorectal balloon? *Radiat Oncol*. 2018 Jun 19;13(1):114. doi: 10.1186/s13014-018-1059-1. PubMed PMID: 29921291; PubMed Central PMCID: PMC6008922.
- 42: Ruskey JA, Greenbaum L, Roncière L, Alam A, Spiegelman D, Liong C, Levy OA, Waters C, Fahn S, Marder KS, Chung W, Yahalom G, Israeli-Korn S, Livneh V, Fay-Karmon T, Alcalay RN, Hassin-Baer S, Gan-Or Z. Increased yield of full GBA sequencing in Ashkenazi Jews with Parkinson's disease. *Eur J Med Genet*. 2019 Jan;62(1):65-69. doi: 10.1016/j.ejmg.2018.05.005. Epub 2018 May 26. PubMed PMID: 29842932; PubMed Central PMCID: PMC6261782.
- 43: Thaler A, Bregman N, Gurevich T, Shiner T, Dror Y, Zmira O, Gan-Or Z, Bar-Shira A, Gana-Weisz M, Orr-Urtreger A, Giladi N, Mirelman A. Parkinson's disease phenotype is influenced by the severity of the mutations in the GBA gene. *Parkinsonism Relat Disord*. 2018 Oct;55:45-49. doi: 10.1016/j.parkreldis.2018.05.009. Epub 2018 May 17. PubMed PMID: 29784561.
- 44: Kirsch AD, Hassin-Baer S, Matthies C, Volkmann J, Steigerwald F. Anodic versus cathodic neurostimulation of the subthalamic nucleus: A randomized-controlled study of acute clinical effects. *Parkinsonism Relat Disord*. 2018 Oct;55:61-67. doi: 10.1016/j.parkreldis.2018.05.015. Epub 2018 May 16. PubMed PMID: 29784559.
- 45: Bier A, Berenstein P, Kronfeld N, Morgoulis D, Ziv-Av A, Goldstein H, Kazimirsky G, Cazacu S, Meir R, Popovtzer R, Dori A, Brodie C. Placenta-derived mesenchymal stromal cells and their exosomes exert therapeutic effects in Duchenne muscular dystrophy. *Biomaterials*. 2018 Aug;174:67-78. doi: 10.1016/j.biomaterials.2018.04.055. Epub 2018 May 3. PubMed PMID: 29783118.
- 46: Bushi D, Chapman J, Wohl A, Stein ES, Feingold E, Tanne D. Apixaban decreases brain thrombin activity in a male mouse model of acute ischemic stroke. *J Neurosci Res*. 2018 Aug;96(8):1406-1411. doi: 10.1002/jnr.24253. Epub 2018 May 14. PubMed PMID: 29761540.
- 47: Harel R, Nulman M, Cohen ZR, Knoller N. Anterior cervical approach for the treatment of axial or high thoracic levels. *Br J Neurosurg*. 2018 May 10:1-5. doi: 10.1080/02688697.2018.1471123. [Epub ahead of print] PubMed PMID: 29745733.
- 48: Ostrom QT, Kinnersley B, Wrensch MR, Eckel-Passow JE, Armstrong G, Rice T, Chen Y, Wiencke JK, McCoy LS, Hansen HM, Amos CI, Bernstein JL, Claus EB, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Rubin JB, Lathia JD, Berens ME, Andersson U, Rajaraman P, Chanock SJ, Linet MS, Wang Z, Yeager M; GliomaScan consortium, Houlston RS, Jenkins RB, Melin B, Bondy ML, Barnholtz-Sloan JS. Sex-specific glioma genome-wide association study identifies new risk locus at 3p21.31 in females, and finds sex-differences in risk at 8q24.21. *Sci Rep*. 2018 May 9;8(1):7352. doi: 10.1038/s41598-018-24580-z. PubMed PMID: 29743610; PubMed Central PMCID: PMC5943590.
- 49: Cano Porras D, Siemonsma P, Inzelberg R, Zeilig G, Plotnik M. Advantages of virtual reality in the rehabilitation of balance and gait: Systematic review. *Neurology*. 2018 May 29;90(22):1017-1025. doi: 10.1212/WNL.0000000000005603. Epub 2018 May 2. PubMed PMID: 29720544.

- 50: 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.
- 51: 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.
- 52: Berntsson SG, Merrell RT, Amirian ES, Armstrong GN, Lachance D, Smits A, Zhou R, Jacobs DI, Wrensch MR, Olson SH, Il'yasova D, Claus EB, Barnholtz-Sloan JS, Schildkraut J, Sadetzki S, Johansen C, Houlston RS, Jenkins RB, Bernstein JL, Lai R, Shete S, Amos CI, Bondy ML, Melin BS. Glioma-related seizures in relation to histopathological subtypes: a report from the glioma international case-control study. *J Neurol*. 2018 Jun;265(6):1432-1442. doi: 10.1007/s00415-018-8857-0. Epub 2018 Apr 23. PubMed PMID: 29687214; PubMed Central PMCID: PMC5990563.
- 53: Benveniste MF, Welsh J, Viswanathan C, Shroff GS, Betancourt Cuellar SL, Carter BW, Marom EM. Lung Cancer: Posttreatment Imaging: Radiation Therapy and Imaging Findings. *Radiol Clin North Am*. 2018 May;56(3):471-483. doi: 10.1016/j.rcl.2018.01.011. Review. PubMed PMID: 29622079.
- 54: 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.
- 55: Warejko JK, Schueler M, Vivante A, Tan W, Daga A, Lawson JA, Braun DA, Shril S, Amann K, Somers MJG, Rodig NM, Baum MA, Daouk G, Traum AZ, Kim HB, Vakili K, Porras D, Lock J, Rivkin MJ, Chaudry G, Smoot LB, Singh MN, Smith ER, Mane SM, Lifton RP, Stein DR, Ferguson MA, Hildebrandt F. Whole Exome Sequencing Reveals a Monogenic Cause of Disease in $\approx 43\%$ of 35 Families With Midaortic Syndrome. *Hypertension*. 2018 Apr;71(4):691-699. doi: 10.1161/HYPERTENSIONAHA.117.10296. Epub 2018 Feb 26. PubMed PMID: 29483232; PubMed Central PMCID: PMC5843550.
- 56: Watad A, Bragazzi NL, Bacigaluppi S, Amital H, Watad S, Sharif K, Bisharat B, Siri A, Mahamid A, Abu Ras H, Nasr A, Bilotta F, Robba C, Adawi M. Artificial neural networks can be effectively used to model changes of intracranial pressure (ICP) during spinal surgery using different non invasive ICP surrogate estimators. *J Neurosurg Sci*. 2018 Feb 23. doi: 10.23736/S0390-5616.18.04299-6. [Epub ahead of print] PubMed PMID: 29480684.
- 57: Maggio N, Shavit Stein E, Segal M. Cannabidiol Regulates Long Term Potentiation Following Status Epilepticus: Mediation by Calcium Stores and Serotonin. *Front Mol Neurosci*. 2018 Feb 6;11:32. doi: 10.3389/fnmol.2018.00032. eCollection 2018. PubMed PMID: 29467619; PubMed Central PMCID: PMC5808210.
- 58: Blauwendraat C, Kia DA, Pihlstrøm L, Gan-Or Z, Lesage S, Gibbs JR, Ding J, Alcalay RN, Hassin-Baer S, Pittman AM, Brooks J, Edsall C, Chung SJ, Goldwurm S, Toft M, Schulte C; International Parkinson's Disease Genomics Consortium (IPDGC), COURAGE-PD Consortium, Hernandez D, Singleton AB, Nalls MA, Brice A, Scholz SW, Wood NW. Insufficient evidence for pathogenicity of SNCA His50Gln (H50Q) in Parkinson's disease. *Neurobiol Aging*. 2018 Apr;64:159.e5-159.e8. doi: 10.1016/j.neurobiolaging.2017.12.012. Epub 2017 Dec 20. PubMed PMID: 29398121; PubMed Central PMCID: PMC5823280.

- 59: Cohen H, Barash H, Meivar-Levy I, Molakandov K, Ben-Shimon M, Gurevich M, Zoabi F, Har-Zahav A, Gebhardt R, Gaunitz F, Gurevich M, Mor E, Ravassard P, Greenberger S, Ferber S. The Wnt/ β -catenin pathway determines the predisposition and efficiency of liver-to-pancreas reprogramming. *Hepatology*. 2018 Oct;68(4):1589-1603. doi: 10.1002/hep.29827. Epub 2018 May 24. PubMed PMID: 29394503.
- 60: Jacob-Hirsch J, Eyal E, Knisbacher BA, Roth J, Cesarkas K, Dor C, Farage-Barhom S, Kunik V, Simon AJ, Gal M, Yalon M, Moshitch-Moshkovitz S, Tearle R, Constantini S, Levanon EY, Amariglio N, Rechavi G. Whole-genome sequencing reveals principles of brain retrotransposition in neurodevelopmental disorders. *Cell Res*. 2018 Feb;28(2):187-203. doi: 10.1038/cr.2018.8. Epub 2018 Jan 12. PubMed PMID: 29327725; PubMed Central PMCID: PMC5799824.
- 61: Gera O, Bushi D, Ben Shimon M, Artan-Furman A, Harnof S, Maggio N, Dori A, Chapman J, Shavit-Stein E. Local Regulation of Thrombin Activity by Factor Xa in Peripheral Nerve Schwann Cells. *Neuroscience*. 2018 Feb 10;371:445-454. doi: 10.1016/j.neuroscience.2017.12.035. Epub 2017 Dec 29. PubMed PMID: 29292076.
- 62: Ben Shimon M, Zeimer T, Shavit Stein E, Artan-Furman A, Harnof S, Chapman J, Eisenkraft A, Pick CG, Maggio N. Recovery from trauma induced amnesia correlates with normalization of thrombin activity in the mouse hippocampus. *PLoS One*. 2017 Nov 28;12(11):e0188524. doi: 10.1371/journal.pone.0188524. eCollection 2017. PubMed PMID: 29182653; PubMed Central PMCID: PMC5705129.
- 63: 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.
- 64: Campbell BB, Light N, Fabrizio D, Zatzman M, Fuligni F, de Borja R, Davidson S, Edwards M, Elvin JA, Hodel KP, Zahurancik WJ, Suo Z, Lipman T, Wimmer K, Kratz CP, Bowers DC, Laetsch TW, Dunn GP, Johanns TM, Grimmer MR, Smirnov IV, Larouche V, Samuel D, Bronsema A, Osborn M, Stearns D, Raman P, Cole KA, Storm PB, Yalon M, Opocher E, Mason G, Thomas GA, Sabel M, George B, Ziegler DS, Lindhorst S, Issai VM, Constantini S, Toledano H, Elhasid R, Farah R, Dvir R, Dirks P, Huang A, Galati MA, Chung J, Ramaswamy V, Irwin MS, Aronson M, Durno C, Taylor MD, Rechavi G, Maris JM, Bouffet E, Hawkins C, Costello JF, Meyn MS, Pursell ZF, Malkin D, Tabori U, Shlien A. Comprehensive Analysis of Hypermutation in Human Cancer. *Cell*. 2017 Nov 16;171(5):1042-1056.e10. doi: 10.1016/j.cell.2017.09.048. Epub 2017 Oct 19. PubMed PMID: 29056344; PubMed Central PMCID: PMC5849393.
- 65: Shavit Stein E, Itsekson Hayosh Z, Vlachos A, Maggio N. Stress and Corticosteroids Modulate Muscarinic Long Term Potentiation (mLTP) in the Hippocampus. *Front Cell Neurosci*. 2017 Sep 21;11:299. doi: 10.3389/fncel.2017.00299. eCollection 2017. PubMed PMID: 29033789; PubMed Central PMCID: PMC5627013.
- 66: De Luca C, Virtuoso A, Maggio N, Papa M. Neuro-Coagulopathy: Blood Coagulation Factors in Central Nervous System Diseases. *Int J Mol Sci*. 2017 Oct 12;18(10). pii: E2128. doi: 10.3390/ijms18102128. Review. PubMed PMID: 29023416; PubMed Central PMCID: PMC5666810.
- 67: Stuart AC, Sico JJ, Viscoli CM, Tayal AH, Inzucchi SE, Ford GA, Furie KL, Cote R, Spence JD, Tanne D, Kernan WN. Taking care of volunteers in a stroke trial: a new assisted-management strategy. *Stroke Vasc Neurol*. 2016 Oct 25;1(3):108-114. doi: 10.1136/svn-2016-000029. eCollection 2016 Sep. PubMed PMID: 28959471; PubMed Central PMCID: PMC5435205.

- 68: Reuveni G, Golderman V, Shavit-Stein E, Rosman Y, Shrot S, Chapman J, Harnof S. Measuring thrombin activity in frozen brain tissue. *Neuroreport*. 2017 Dec 6;28(17):1176-1179. doi: 10.1097/WNR.0000000000000902. PubMed PMID: 28915147.
- 69: Young ED, Ingram D, Metcalf-Doetsch W, Khan D, Al Sannaa G, Le Loarer F, Lazar AJF, Slopis J, Torres KE, Lev D, Pollock RE, McCutcheon IE. Clinicopathological variables of sporadic schwannomas of peripheral nerve in 291 patients and expression of biologically relevant markers. *J Neurosurg*. 2018 Sep;129(3):805-814. doi: 10.3171/2017.2.JNS153004. Epub 2017 Sep 8. Erratum in: *J Neurosurg*. 2018 Sep 1;129(3):838. PubMed PMID: 28885122.
- 70: Zibly Z, Fein L, Sharma M, Assaf Y, Wohl A, Harnof S. A novel swine model of subarachnoid hemorrhage-induced cerebral vasospasm. *Neurol India*. 2017 Sep-Oct;65(5):1035-1042. doi: 10.4103/neuroindia.NI_357_16. PubMed PMID: 28879893.
- 71: Harel R, Knoller N. Acute Cervical Disk Herniation Resulting in Sudden and Severe Neurologic Deterioration: A Case Series. *Surg J (N Y)*. 2016 Sep 17;2(3):e96-e101. doi: 10.1055/s-0036-1593357. eCollection 2016 Jul. PubMed PMID: 28824999; PubMed Central PMCID: PMC5553475.
- 72: Soleman J, Roth J, Ram Z, Yalon M, Constantini S. Malignant transformation of a conservatively managed incidental childhood cerebral mass lesion: controversy regarding management paradigm. *Childs Nerv Syst*. 2017 Dec;33(12):2169-2175. doi: 10.1007/s00381-017-3566-z. Epub 2017 Aug 14. PubMed PMID: 28808787.
- 73: Riederer P, Korczyn AD, Ali SS, Bajenaru O, Choi MS, Chopp M, Dermanovic-Dobrota V, Grünblatt E, Jellinger KA, Kamal MA, Kamal W, Leszek J, Sheldrick-Michel TM, Mushtaq G, Meglic B, Natovich R, Pirtosek Z, Rakusa M, Salkovic-Petrisic M, Schmidt R, Schmitt A, Sridhar GR, Vécsei L, Wojszel ZB, Yaman H, Zhang ZG, Cukierman-Yaffe T. The diabetic brain and cognition. *J Neural Transm (Vienna)*. 2017 Nov;124(11):1431-1454. doi: 10.1007/s00702-017-1763-2. Epub 2017 Aug 1. Review. PubMed PMID: 28766040.
- 74: Klein KM, Pendziwiat M, Eilam A, Gilad R, Blatt I, Rosenow F, Kanaan M, Helbig I, Afawi Z; Israeli-Palestinian Epilepsy Family Consortium. The phenotypic spectrum of ARHGEF9 includes intellectual disability, focal epilepsy and febrile seizures. *J Neurol*. 2017 Jul;264(7):1421-1425. doi: 10.1007/s00415-017-8539-3. Epub 2017 Jun 15. PubMed PMID: 28620718.
- 75: Appel S, Symon Z. [STEREOTACTIC ABLATIVE BODY RADIATION -SABR: A NEW THERAPEUTIC OPTION FOR TREATMENT OF STAGE I LUNG CANCER]. *Harefuah*. 2016 Nov;155(11):672-676. Review. Hebrew. PubMed PMID: 28530067.
- 76: Appel S, Lawrence YR, Goldstein J, Pfeffer RM, Weiss I, Rabin T, Felder S, Ben-Ayun M, Tzvang L, Alezra D, Simansky D, Ben-Nun A, Bar J, Symon Z. Stereotactic Ablative Body Radiation for Stage I Lung Cancer in Israel: A Retrospective Single-Center Report. *Isr Med Assoc J*. 2017 Jan;19(1):39-43. PubMed PMID: 28457113.
- 77: Maggio N, Shavit Stein E, Segal M. Complex modulation by stress of the effect of seizures on long term potentiation in mouse hippocampal slices. *Hippocampus*. 2017 Aug;27(8):860-870. doi: 10.1002/hipo.22736. Epub 2017 May 10. PubMed PMID: 28449208.
- 78: Ben-Meir E, Rubinshtein M, Pessach I, Barkai G, Keller N, Hoffman C, Feldman Z, Paret G. Neonatal Cervical Osteomyelitis With Bilateral Upper Limb Paresis. *Pediatr Infect Dis J*. 2017 Oct;36(10):1013-1015. doi: 10.1097/INF.0000000000001618. PubMed PMID: 28430749.
- 79: Cohen O, Harel R, Aumann TD, Israel Z, Prut Y. Parallel processing of internal and external

feedback in the spinocerebellar system of primates. *J Neurophysiol.* 2017 Jul 1;118(1):254-266. doi: 10.1152/jn.00825.2016. Epub 2017 Apr 5. PubMed PMID: 28381489; PubMed Central PMCID: PMC5498734.

80: Oliver KL, Franceschetti S, Milligan CJ, Muona M, Mandelstam SA, Canafoglia L, Boguszezewska-Chachulska AM, Korczyn AD, Bisulli F, Di Bonaventura C, Ragona F, Michelucci R, Ben-Zeev B, Straussberg R, Panzica F, Massano J, Friedman D, Crespel A, Engelsen BA, Andermann F, Andermann E, Spodar K, Lasek-Bal A, Riguzzi P, Pasini E, Tinuper P, Licchetta L, Gardella E, Lindenau M, Wulf A, Møller RS, Benninger F, Afawi Z, Rubboli G, Reid CA, Maljevic S, Lerche H, Lehesjoki AE, Petrou S, Berkovic SF. Myoclonus epilepsy and ataxia due to KCNC1 mutation: Analysis of 20 cases and K(+) channel properties. *Ann Neurol.* 2017 May;81(5):677-689. doi: 10.1002/ana.24929. PubMed PMID: 28380698.

81: Melin BS, Barnholtz-Sloan JS, Wrensch MR, Johansen C, Il'yasova D, Kinnersley B, Ostrom QT, Labreche K, Chen Y, Armstrong G, Liu Y, Eckel-Passow JE, Decker PA, Labussière M, Idbaih A, Hoang-Xuan K, Di Stefano AL, Mokhtari K, Delattre JY, Broderick P, Galan P, Gousias K, Schramm J, Schoemaker MJ, Fleming SJ, Herms S, Heilmann S, Nöthen MM, Wichmann HE, Schreiber S, Swerdlow A, Lathrop M, Simon M, Sanson M, Andersson U, Rajaraman P, Chanock S, Linet M, Wang Z, Yeager M; GliomaScan Consortium, Wiencke JK, Hansen H, McCoy L, Rice T, Kosel ML, Sicotte H, Amos CI, Bernstein JL, Davis F, Lachance D, Lau C, Merrell RT, Schildkraut J, Ali-Osman F, Sadetzki S, Scheurer M, Shete S, Lai RK, Claus EB, Olson SH, Jenkins RB, Houlston RS, Bondy ML. Genome-wide association study of glioma subtypes identifies specific differences in genetic susceptibility to glioblastoma and non-glioblastoma tumors. *Nat Genet.* 2017 May;49(5):789-794. doi: 10.1038/ng.3823. Epub 2017 Mar 27. PubMed PMID: 28346443; PubMed Central PMCID: PMC5558246.

82: Schulz A, Perbix W, Shoham Y, Daali S, Charalampaki C, Fuchs PC, Schiefer J. Our initial learning curve in the enzymatic debridement of severely burned hands-Management and pit falls of initial treatments and our development of a post debridement wound treatment algorithm. *Burns.* 2017 Mar;43(2):326-336. doi: 10.1016/j.burns.2016.08.009. Epub 2016 Oct 27. PubMed PMID: 28341257.

83: Harel R. In reply to the letter to the editor regarding "Intraoperative neurophysiologic monitoring in spinal intradural extramedullary tumors: only a prognostic tool?" *Neurosurg Rev.* 2017 Oct;40(4):595-596. doi: 10.1007/s10143-017-0847-7. PubMed PMID: 28324228.

84: Shavit-Stein E, Artan-Furman A, Feingold E, Ben Shimon M, Itzekson-Hayosh Z, Chapman J, Vlachos A, Maggio N. Protease Activated Receptor 2 (PAR2) Induces Long-Term Depression in the Hippocampus through Transient Receptor Potential Vanilloid 4 (TRPV4). *Front Mol Neurosci.* 2017 Mar 2;10:42. doi: 10.3389/fnmol.2017.00042. eCollection 2017. PubMed PMID: 28303089; PubMed Central PMCID: PMC5332813.

85: Inzelberg R, Friedman E, Azizi E. Cutaneous squamous cell carcinoma and the PARK2 gene. *Br J Dermatol.* 2017 Jul;177(1):323-324. doi: 10.1111/bjd.15465. Epub 2017 May 8. PubMed PMID: 28301044.

86: Harel R, Schleifer D, Appel S, Attia M, Cohen ZR, Knoller N. Spinal intradural extramedullary tumors: the value of intraoperative neurophysiologic monitoring on surgical outcome. *Neurosurg Rev.* 2017 Oct;40(4):613-619. doi: 10.1007/s10143-017-0815-2. Epub 2017 Jan 27. PubMed PMID: 28130655.

87: Katz JS, Frankel H, Ma T, Zagzag D, Liechty B, Zeev BB, Tzadok M, Devinsky O, Weiner HL, Roth J. Unique findings of subependymal giant cell astrocytoma within cortical tubers in patients with tuberous sclerosis complex: a histopathological evaluation. *Childs Nerv Syst.* 2017 Apr;33(4):601-607.

doi: 10.1007/s00381-017-3335-z. Epub 2017 Jan 10. PubMed PMID: 28074282.

88: Harel R, Pfeffer R, Levin D, Shekel E, Epstein D, Tsvang L, Ben Ayun M, Alezra D, Zach L. Spine radiosurgery: lessons learned from the first 100 treatment sessions. *Neurosurg Focus*. 2017 Jan;42(1):E3. doi: 10.3171/2016.9.FOCUS16332. PubMed PMID: 28041321.

89: Goldstein DS, Sullivan P, Holmes C, Mash DC, Kopin IJ, Sharabi Y. Determinants of denervation-independent depletion of putamen dopamine in Parkinson's disease and multiple system atrophy. *Parkinsonism Relat Disord*. 2017 Feb;35:88-91. doi: 10.1016/j.parkreldis.2016.12.011. Epub 2016 Dec 15. Erratum in: *Parkinsonism Relat Disord*. 2017 Jun;39:95. PubMed PMID: 28034624; PubMed Central PMCID: PMC6319359.

90: Goldstein DS, Holmes C, Sullivan P, Donadio V, Isonaka R, Zhong E, Pourier B, Vernino S, Kopin IJ, Sharabi Y. Autoimmunity-associated autonomic failure with sympathetic denervation. *Clin Auton Res*. 2017 Feb;27(1):57-62. doi: 10.1007/s10286-016-0388-0. Epub 2016 Nov 12. PubMed PMID: 27838780.

91: Gera O, Shavit-Stein E, Bushi D, Harnof S, Shimon MB, Weiss R, Golderman V, Dori A, Maggio N, Finegold K, Chapman J. Thrombin and protein C pathway in peripheral nerve Schwann cells. *Neuroscience*. 2016 Dec 17;339:587-598. doi: 10.1016/j.neuroscience.2016.10.034. Epub 2016 Oct 19. PubMed PMID: 27771530.

92: Inzelberg R, Flash S, Friedman E, Azizi E. Cutaneous malignant melanoma and Parkinson disease: Common pathways? *Ann Neurol*. 2016 Dec;80(6):811-820. doi: 10.1002/ana.24802. Epub 2016 Nov 14. Review. PubMed PMID: 27761938.

93: Blumenthal DT, Dvir A, Lossos A, Tzuk-Shina T, Lior T, Limon D, Yust-Katz S, Lokiec A, Ram Z, Ross JS, Ali SM, Yair R, Soussan-Gutman L, Bokstein F. Clinical utility and treatment outcome of comprehensive genomic profiling in high grade glioma patients. *J Neurooncol*. 2016 Oct;130(1):211-219. Epub 2016 Aug 16. PubMed PMID: 27531351.

94: Ashkenazi I, Schechter WP, Peleg K, Givon A, Olsha O, Turegano-Fuentes F, Alfici R; Israeli Trauma Group, Bahouth H, Becker A, Ben Ely M, Braslavsky A, Jeroukhimov I, Qarawany M, Kessel B, Klein Y, Lin G, Merin O, Bala M, Mnouskin Y, Rivkind AI, Shaked G, Soffer D, Stein M, Weiss M. Glasgow Coma Scale Score in Survivors of Explosion With Possible Traumatic Brain Injury in Need of Neurosurgical Intervention. *JAMA Surg*. 2016 Oct 1;151(10):954-958. doi: 10.1001/jamasurg.2016.1742. PubMed PMID: 27409973.

95: Itsekson-Hayosh Z, Shavit-Stein E, Katzav A, Rubovitch V, Maggio N, Chapman J, Harnof S, Pick CG. Minimal Traumatic Brain Injury in Mice: Protease-Activated Receptor 1 and Thrombin-Related Changes. *J Neurotrauma*. 2016 Oct 15;33(20):1848-1854. Epub 2016 Feb 17. PubMed PMID: 26537880.

96: Livny A, Biegon A, Kushnir T, Harnof S, Hoffmann C, Fruchter E, Weiser M. Cognitive Deficits Post-Traumatic Brain Injury and Their Association with Injury Severity and Gray Matter Volumes. *J Neurotrauma*. 2017 Apr 1;34(7):1466-1472. doi: 10.1089/neu.2016.4598. Epub 2016 Dec 2. PubMed PMID: 27750571.

97: Harel R, Knoller N. Erratum to: Intraoperative spine ultrasound: application and benefits. *Eur Spine J*. 2016 Oct;25(10):3383. PubMed PMID: 27581299.

98: Toren A, Pismenyuk T, Yalon M, Freedman S, Simon AJ, Fisher T, Moshe I, Reichardt JK, Constantini S, Mardor Y, Last D, Guez D, Daniels D, Assoulin M, Mehrian-Shai R. Zinc enhances temozolomide cytotoxicity in glioblastoma multiforme model systems. *Oncotarget*. 2016 Nov 15;7(46):74860-74871.

doi: 10.18632/oncotarget.11382. PubMed PMID: 27556862; PubMed Central PMCID: PMC5342707.

99: Nissim O, Spiegelmann R. [FRACTIONATED STEREOTACTIC RADIOSURGERY: A GAME CHANGER FOR NEUROSURGERY]. Harefuah. 2016 May;155(5):304, 321. Hebrew. PubMed PMID: 27526561.

100: Klang E, Lidar M, Lidar Z, Aharoni D, Eshed I. Prevalence and awareness of sacroiliac joint alterations on lumbar spine CT in low back pain patients younger than 40 years. Acta Radiol. 2017 Apr;58(4):449-455. doi: 10.1177/0284185116656490. Epub 2016 Jul 28. PubMed PMID: 27445315.

101: Kimchi G, Stylianou P, Wohl A, Hadani M, Cohen ZR, Zauberman J, Feldman Z, Spiegelmann R, Nissim O, Zivly Z, Penn M, Harnof S. Predicting and reducing cranioplasty infections by clinical, radiographic and operative parameters - A historical cohort study. J Clin Neurosci. 2016 Dec;34:182-186. doi: 10.1016/j.jocn.2016.06.007. Epub 2016 Jul 16. PubMed PMID: 27436762.

102: Klovatch-Podlipsky I, Gazit T, Fahoum F, Tsirelson B, Kipervasser S, Kremer U, Ben-Zeev B, Goldberg-Stern H, Eisenstein O, Harpaz Y, Levy O, Kirschner A, Neufeld MY, Fried I, Hendler T, Medvedovsky M. Dual array EEG-fMRI: An approach for motion artifact suppression in EEG recorded simultaneously with fMRI. Neuroimage. 2016 Nov 15;142:674-686. doi: 10.1016/j.neuroimage.2016.07.014. Epub 2016 Jul 9. PubMed PMID: 27402597.

103: Daniels D, Guez D, Last D, Hoffmann C, Nass D, Talianski A, Tsarfaty G, Salomon S, Kanner AA, Blumenthal DT, Bokstein F, Harnof S, Yekutieli D, Zamir S, Cohen ZR, Zach L, Mardor Y. Early Biomarkers from Conventional and Delayed-Contrast MRI to Predict the Response to Bevacizumab in Recurrent High-Grade Gliomas. AJNR Am J Neuroradiol. 2016 Nov;37(11):2003-2009. doi: 10.3174/ajnr.A4866. Epub 2016 Jul 7. PubMed PMID: 27390321.

104: Harel R, Stylianou P, Knoller N. Cervical Spine Surgery: Approach-Related Complications. World Neurosurg. 2016 Oct;94:1-5. doi: 10.1016/j.wneu.2016.06.099. Epub 2016 Jun 30. PubMed PMID: 27373932.

105: Gutkin A, Cohen ZR, Peer D. Harnessing nanomedicine for therapeutic intervention in glioblastoma. Expert Opin Drug Deliv. 2016 Nov;13(11):1573-1582. Epub 2016 Jun 27. Review. PubMed PMID: 27292970.

106: Hadelsberg UP, Harel R. Hazards of Ionizing Radiation and its Impact on Spine Surgery. World Neurosurg. 2016 Aug;92:353-359. doi: 10.1016/j.wneu.2016.05.025. Epub 2016 May 18. Review. PubMed PMID: 27208850.

107: Marcu-Malina V, Garelick D, Peshes-Yeloz N, Wohl A, Zach L, Nagar M, Amariglio N, Besser MJ, Cohen ZR, Bank I. Peripheral blood-derived, $\gamma\delta$ T cell-enriched cell lines from glioblastoma multiforme patients exert anti-tumoral effects in vitro. J Biol Regul Homeost Agents. 2016 Jan-Mar;30(1):17-30. PubMed PMID: 27049073.

108: Willems LM, Zahn N, Ferreirós N, Scholich K, Maggio N, Deller T, Vlachos A. Sphingosine-1-phosphate receptor inhibition prevents denervation-induced dendritic atrophy. Acta Neuropathol Commun. 2016 Mar 31;4:28. doi: 10.1186/s40478-016-0303-x. PubMed PMID: 27036416; PubMed Central PMCID: PMC4818430.

109: Lotan E, Hoffmann C, Fardman A, Ziv-Baran T, Komisar O, Harnof S. Postoperative versus Spontaneous Intracranial Abscess: Diagnostic Value of the Apparent Diffusion Coefficient for Accurate Assessment. Radiology. 2016 Oct;281(1):168-74. doi: 10.1148/radiol.2016151708. Epub 2016 Mar 30. PubMed PMID: 27027334.

- 110: Inzelberg R, Plotnik M, Harpaz NK, Flash T. Micrographia, much beyond the writer's hand. *Parkinsonism Relat Disord*. 2016 May;26:1-9. doi: 10.1016/j.parkreldis.2016.03.003. Epub 2016 Mar 11. Review. PubMed PMID: 26997656.
- 111: Amirian ES, Scheurer ME, Zhou R, Wrensch MR, Armstrong GN, Lachance D, Olson SH, Lau CC, Claus EB, Barnholtz-Sloan JS, Il'yasova D, Schildkraut J, Ali-Osman F, Sadetzki S, Jenkins RB, Bernstein JL, Merrell RT, Davis FG, Lai R, Shete S, Amos CI, Melin BS, Bondy ML. History of chickenpox in glioma risk: a report from the glioma international case-control study (GICC). *Cancer Med*. 2016 Jun;5(6):1352-8. doi: 10.1002/cam4.682. Epub 2016 Mar 13. PubMed PMID: 26972449; PubMed Central PMCID: PMC4924393.
- 112: Cohen JE, Moscovici S, Rajz G, Vargas A, Itshayek E. Chronic basilar artery dissection with an associated symptomatic aneurysm presenting with massive subarachnoid hemorrhage. *J Clin Neurosci*. 2016 Aug;30:146-148. doi: 10.1016/j.jocn.2016.01.021. Epub 2016 Mar 5. PubMed PMID: 26960262.
- 113: Amirian ES, Zhou R, Wrensch MR, Olson SH, Scheurer ME, Il'yasova D, Lachance D, Armstrong GN, McCoy LS, Lau CC, Claus EB, Barnholtz-Sloan JS, Schildkraut J, Ali-Osman F, Sadetzki S, Johansen C, Houlston RS, Jenkins RB, Bernstein JL, Merrell RT, Davis FG, Lai R, Shete S, Amos CI, Melin BS, Bondy ML. Approaching a Scientific Consensus on the Association between Allergies and Glioma Risk: A Report from the Glioma International Case-Control Study. *Cancer Epidemiol Biomarkers Prev*. 2016 Feb;25(2):282-90. doi: 10.1158/1055-9965.EPI-15-0847. PubMed PMID: 26908595; PubMed Central PMCID: PMC4874516.
- 114: Zach L, Tsvang L, Alezra D, Ben Ayun M, Harel R. Volumetric Modulated Arc Therapy for Spine Radiosurgery: Superior Treatment Planning and Delivery Compared to Static Beam Intensity Modulated Radiotherapy. *Biomed Res Int*. 2016;2016:6805979. doi: 10.1155/2016/6805979. Epub 2016 Jan 13. PubMed PMID: 26885513; PubMed Central PMCID: PMC4738705.
- 115: Fruchtman Y, Dardik R, Barg AA, Livnat T, Feldman Z, Rubinstein M, Grinberg G, Rosenberg N, Kenet G. Spinal Epidural Hematoma Following Cupping Glass Treatment in an Infant With Hemophilia A. *Pediatr Blood Cancer*. 2016 Jun;63(6):1120-2. doi: 10.1002/pbc.25921. Epub 2016 Feb 4. PubMed PMID: 26844816.
- 116: Shi W, Palmer JD, Werner-Wasik M, Andrews DW, Evans JJ, Glass J, Kim L, Bar-Ad V, Judy K, Farrell C, Simone N, Liu H, Dicker AP, Lawrence YR. Phase I trial of panobinostat and fractionated stereotactic re-irradiation therapy for recurrent high grade gliomas. *J Neurooncol*. 2016 May;127(3):535-9. doi: 10.1007/s11060-016-2059-3. Epub 2016 Jan 29. PubMed PMID: 26821711.
- 117: De Ferrari GM, Dusi V, Spazzolini C, Bos JM, Abrams DJ, Berul CI, Crotti L, Eldar M, Kharlap M, Khoury A, Krahn AD, Leenhardt A, Moir CR, Odero A, Nordkamp LO, Paul T, I Nogue FR, Shkolnikova M, Till J, Wilde AA, Ackerman MJ, Schwartz PJ. Response to Letters Regarding Article, "Clinical Management of Catecholaminergic Polymorphic Ventricular Tachycardia: The Role of Left Cardiac Sympathetic Denervation". *Circulation*. 2016 Jan 26;133(4):e366-7. doi: 10.1161/CIRCULATIONAHA.115.019465. PubMed PMID: 26811283.
- 118: Mehrian-Shai R, Yalon M, Moshe I, Barshack I, Nass D, Jacob J, Dor C, Reichardt JK, Constantini S, Toren A. Identification of genomic aberrations in hemangioblastoma by droplet digital PCR and SNP microarray highlights novel candidate genes and pathways for pathogenesis. *BMC Genomics*. 2016 Jan 14;17:56. doi: 10.1186/s12864-016-2370-6. PubMed PMID: 26768750; PubMed Central PMCID: PMC4712606.

- 119: Harel R. Steroid Therapy for Spinal Cord Trauma: Where's the Evidence? *World Neurosurg.* 2016 Jun;90:621-622. doi: 10.1016/j.wneu.2015.12.064. Epub 2015 Dec 29. PubMed PMID: 26739907.
- 120: Siman-Tov M, Radomislensky I, Knoller N, Bahouth H, Kessel B, Klein Y, Michaelson M, Avraham Rivkind BM, Shaked G, Simon D, Soffer D, Stein M, Jeroukhimov I, Peleg K. Incidence and injury characteristics of traumatic brain injury: Comparison between children, adults and seniors in Israel. *Brain Inj.* 2016;30(1):83-9. doi: 10.3109/02699052.2015.1104551. Epub 2016 Jan 6. PubMed PMID: 26734841.
- 121: Kivlin CM, Watson KL, Al Sannaa GA, Belousov R, Ingram DR, Huang KL, May CD, Bolshakov S, Landers SM, Kalam AA, Slopis JM, McCutcheon IE, Pollock RE, Lev D, Lazar AJ, Torres KE. Poly (ADP) ribose polymerase inhibition: A potential treatment of malignant peripheral nerve sheath tumor. *Cancer Biol Ther.* 2016;17(2):129-38. doi: 10.1080/15384047.2015.1108486. Epub 2015 Dec 9. PubMed PMID: 26650448; PubMed Central PMCID: PMC4847988.
- 122: Harel R, Emch T, Chao S, Elson P, Krishnaney A, Djemil T, Suh J, Angelov L. Quantitative Evaluation of Local Control and Wound Healing Following Surgery and Stereotactic Spine Radiosurgery for Spine Tumors. *World Neurosurg.* 2016 Mar;87:48-54. doi: 10.1016/j.wneu.2015.10.075. Epub 2015 Nov 5. PubMed PMID: 26548834.
- 123: Mehrian-Shai R, Yalon M, Simon AJ, Eyal E, Pismenyuk T, Moshe I, Constantini S, Toren A. High metallothionein predicts poor survival in glioblastoma multiforme. *BMC Med Genomics.* 2015 Oct 22;8:68. doi: 10.1186/s12920-015-0137-6. PubMed PMID: 26493598; PubMed Central PMCID: PMC4618994.
- 124: Harel R. Hazards of Ionizing Radiation and Its Impact on Neurosurgical Practice. *World Neurosurg.* 2016 Feb;86:42-3. doi: 10.1016/j.wneu.2015.09.092. Epub 2015 Oct 9. PubMed PMID: 26455763.
- 125: Stylianou P, Kimchi G, Hoffmann C, Blat I, Harnof S. Neuroimaging for patient selection for medial temporal lobe epilepsy surgery: Part 2 functional neuroimaging. *J Clin Neurosci.* 2016 Jan;23:23-33. doi: 10.1016/j.jocn.2015.04.031. Epub 2015 Oct 6. Review. PubMed PMID: 26453282.
- 126: Lopez G, Song Y, Lam R, Ruder D, Creighton CJ, Bid HK, Bill KL, Bolshakov S, Zhang X, Lev D, Pollock RE. HDAC Inhibition for the Treatment of Epithelioid Sarcoma: Novel Cross Talk Between Epigenetic Components. *Mol Cancer Res.* 2016 Jan;14(1):35-43. doi: 10.1158/1541-7786.MCR-15-0295. Epub 2015 Sep 22. PubMed PMID: 26396249; PubMed Central PMCID: PMC4715931.
- 127: Stylianou P, Hoffmann C, Blat I, Harnof S. Neuroimaging for patient selection for medial temporal lobe epilepsy surgery: Part 1 Structural neuroimaging. *J Clin Neurosci.* 2016 Jan;23:14-22. doi: 10.1016/j.jocn.2015.04.019. Epub 2015 Sep 9. Review. PubMed PMID: 26362835.
- 128: Harel R, Knoller N. Intraoperative spine ultrasound: application and benefits. *Eur Spine J.* 2016 Mar;25(3):865-9. doi: 10.1007/s00586-015-4222-5. Epub 2015 Sep 5. Erratum in: *Eur Spine J.* 2016 Oct;25(10):3383. PubMed PMID: 26342702.
- 129: Goldstein JD, Lawrence YR, Appel S, Landau E, Ben-David MA, Rabin T, Benayun M, Dubinski S, Weizman N, Alezra D, Gnessin H, Goldstein AM, Baidun K, Segel MJ, Peled N, Symon Z. Continuous Positive Airway Pressure for Motion Management in Stereotactic Body Radiation Therapy to the Lung: A Controlled Pilot Study. *Int J Radiat Oncol Biol Phys.* 2015 Oct 1;93(2):391-9. doi: 10.1016/j.ijrobp.2015.06.011. Epub 2015 Jun 11. PubMed PMID: 26264628.

130: Webb AJ, Ullman NL, Morgan TC, Muschelli J, Kornbluth J, Awad IA, Mayo S, Rosenblum M, Ziai W, Zuccarello M, Aldrich F, John S, Harnof S, Lopez G, Broaddus WC, Wijman C, Vespa P, Bullock R, Haines SJ, Cruz-Flores S, Tuhim S, Hill MD, Narayan R, Hanley DF; MISTIE and CLEAR Investigators. Accuracy of the ABC/2 Score for Intracerebral Hemorrhage: Systematic Review and Analysis of MISTIE, CLEAR-IVH, and CLEAR III. *Stroke*. 2015 Sep;46(9):2470-6. doi: 10.1161/STROKEAHA.114.007343. Epub 2015 Aug 4. Review. PubMed PMID: 26243227; PubMed Central PMCID: PMC4550520.

131: Harel R, Doron O, Knoller N. Minimally Invasive Spine Metastatic Tumor Resection and Stabilization: New Technology Yield Improved Outcome. *Biomed Res Int*. 2015;2015:948373. doi: 10.1155/2015/948373. Epub 2015 Jun 3. PubMed PMID: 26146637; PubMed Central PMCID: PMC4469766.

132: De Ferrari GM, Dusi V, Spazzolini C, Bos JM, Abrams DJ, Berul CI, Crotti L, Davis AM, Eldar M, Kharlap M, Khoury A, Krahn AD, Leenhardt A, Moir CR, Odero A, Olde Nordkamp L, Paul T, Rosés I, Noguer F, Shkolnikova M, Till J, Wilde AA, Ackerman MJ, Schwartz PJ. Clinical Management of Catecholaminergic Polymorphic Ventricular Tachycardia: The Role of Left Cardiac Sympathetic Denervation. *Circulation*. 2015 Jun 23;131(25):2185-93. doi: 10.1161/CIRCULATIONAHA.115.015731. Epub 2015 May 27. PubMed PMID: 26019152.

133: Shofty B, Mauda-Havakuk M, Weizman L, Constantini S, Ben-Bashat D, Dvir R, Pratt LT, Joskowicz L, Kesler A, Yalon M, Ravid L, Ben-Sira L. The effect of chemotherapy on optic pathway gliomas and their sub-components: A volumetric MR analysis study. *Pediatr Blood Cancer*. 2015 Aug;62(8):1353-9. doi: 10.1002/pbc.25480. Epub 2015 Apr 7. PubMed PMID: 25858021.

134: Itsekson-Hayosh Z, Shavit-Stein E, Last D, Goez D, Daniels D, Bushi D, Gera O, Zibly Z, Mardor Y, Chapman J, Harnof S. Thrombin Activity and Thrombin Receptor in Rat Glioblastoma Model: Possible Markers and Targets for Intervention? *J Mol Neurosci*. 2015 Jul;56(3):644-51. doi: 10.1007/s12031-015-0512-y. Epub 2015 Feb 19. PubMed PMID: 25691153.

135: Jalali A, Amirian ES, Bainbridge MN, Armstrong GN, Liu Y, Tsavachidis S, Jhangiani SN, Plon SE, Lau CC, Claus EB, Barnholtz-Sloan JS, Il'yasova D, Schildkraut J, Ali-Osman F, Sadetzki S, Johansen C, Houlston RS, Jenkins RB, Lachance D, Olson SH, Bernstein JL, Merrell RT, Wrensch MR, Davis FG, Lai R, Shete S, Aldape K, Amos CI, Muzny DM, Gibbs RA, Melin BS, Bondy ML. Targeted sequencing in chromosome 17q linkage region identifies familial glioma candidates in the Gliogene Consortium. *Sci Rep*. 2015 Feb 5;5:8278. doi: 10.1038/srep08278. PubMed PMID: 25652157; PubMed Central PMCID: PMC4317686.

136: Cohen ZR, Ramishetti S, Peshes-Yaloz N, Goldsmith M, Wohl A, Zibly Z, Peer D. Localized RNAi therapeutics of chemoresistant grade IV glioma using hyaluronan-grafted lipid-based nanoparticles. *ACS Nano*. 2015 Feb 24;9(2):1581-91. doi: 10.1021/nn506248s. Epub 2015 Jan 8. PubMed PMID: 25558928.

137: Gazit I, Har-Nof S, Cohen ZR, Zibly Z, Nissim U, Spiegelmann R. Radiosurgery for brain metastases and cerebral edema. *J Clin Neurosci*. 2015 Mar;22(3):535-8. doi: 10.1016/j.jocn.2014.08.025. Epub 2014 Dec 19. PubMed PMID: 25533053.

138: Bainbridge MN, Armstrong GN, Gramatges MM, Bertuch AA, Jhangiani SN, Doddapaneni H, Lewis L, Tombrello J, Tsavachidis S, Liu Y, Jalali A, Plon SE, Lau CC, Parsons DW, Claus EB, Barnholtz-Sloan J, Il'yasova D, Schildkraut J, Ali-Osman F, Sadetzki S, Johansen C, Houlston RS, Jenkins RB, Lachance D, Olson SH, Bernstein JL, Merrell RT, Wrensch MR, Walsh KM, Davis FG, Lai R, Shete S, Aldape K, Amos CI, Thompson PA, Muzny DM, Gibbs RA, Melin BS, Bondy ML; Gliogene Consortium. Germline mutations in shelterin complex genes are associated with familial glioma. *J Natl Cancer Inst*. 2014 Dec

7;107(1):384. doi: 10.1093/jnci/dju384. Print 2015 Jan. PubMed PMID: 25482530; PubMed Central PMCID: PMC4296199.

139: Zach L, Guez D, Last D, Daniels D, Grober Y, Nissim O, Hoffmann C, Nass D, Talianski A, Spiegelmann R, Tsarfaty G, Salomon S, Hadani M, Kanner A, Blumenthal DT, Bukstein F, Yalon M, Zauberman J, Roth J, Shoshan Y, Fridman E, Wygoda M, Limon D, Tzuk T, Cohen ZR, Mardor Y. Delayed contrast extravasation MRI: a new paradigm in neuro-oncology. *Neuro Oncol.* 2015 Mar;17(3):457-65. doi: 10.1093/neuonc/nou230. Epub 2014 Nov 30. PubMed PMID: 25452395; PubMed Central PMCID: PMC4483101.

140: Priel E, Wohl A, Teperberg M, Nass D, Cohen ZR. Human cytomegalovirus viral load in tumor and peripheral blood samples of patients with malignant gliomas. *J Clin Neurosci.* 2015 Feb;22(2):326-30. doi: 10.1016/j.jocn.2014.06.099. Epub 2014 Oct 28. PubMed PMID: 25443081.

141: Goldstein J, Even-Sapir E, Ben-Haim S, Saad A, Spieler B, Davidson T, Berger R, Weiss I, Appel S, Lawrence YR, Symon Z. Does Choline PET/CT Change the Management of Prostate Cancer Patients With Biochemical Failure? *Am J Clin Oncol.* 2017 Jun;40(3):256-259. doi: 10.1097/COC.000000000000139. PubMed PMID: 25319322.

142: Paldor I, Rosenthal G, Cohen JE, Leker R, Harnof S, Shoshan Y, Itshayek E. Intracranial pressure monitoring following decompressive hemicraniectomy for malignant cerebral infarction. *J Clin Neurosci.* 2015 Jan;22(1):79-82. doi: 10.1016/j.jocn.2014.07.006. Epub 2014 Sep 12. PubMed PMID: 25224584.

143: Rajz G, Cohen JE, Harnof S, Knoller N, Goren O, Shoshan Y, Fraifeld S, Kaplan L, Itshayek E. Spontaneous spinal epidural hematoma: the importance of preoperative neurological status and rapid intervention. *J Clin Neurosci.* 2015 Jan;22(1):123-8. doi: 10.1016/j.jocn.2014.07.003. Epub 2014 Aug 22. PubMed PMID: 25156033.

144: Harel R, Knoller N, Regev G, Anekstein Y, Zaaroor M, Leitner J, Itshayek E, Steinmetz MP, Mroz TE, Krishnaney A, Schlenk RS, Bell GR, Kalfas IH, Benzel EC. The value of neuromonitoring in cervical spine surgery. *Surg Neurol Int.* 2014 Aug 2;5:120. doi: 10.4103/2152-7806.138032. eCollection 2014. PubMed PMID: 25140279; PubMed Central PMCID: PMC4135540.

145: Litchevski V, Goldschmidt A, Nass D, Rahav G, Cohen ZR. Cerebral phaeohyphomycosis in an immunocompetent patient: a case report and literature summary. *Clin Neurol Neurosurg.* 2014 Sep;124:179-81. doi: 10.1016/j.clineuro.2014.07.003. Epub 2014 Jul 14. Review. PubMed PMID: 25064152.

146: Pikis S, Cohen JE, Vargas AA, Gomori JM, Harnof S, Itshayek E. Superficial siderosis of the central nervous system secondary to spinal ependymoma. *J Clin Neurosci.* 2014 Nov;21(11):2017-9. doi: 10.1016/j.jocn.2014.05.020. Epub 2014 Jul 17. PubMed PMID: 25043164.

147: Zibly Z, Graves CA, Harnof S, Hadani M, Cohen ZR. Sonoablation and application of MRI guided focused ultrasound in a preclinical model. *J Clin Neurosci.* 2014 Oct;21(10):1808-14. doi: 10.1016/j.jocn.2014.04.008. Epub 2014 Jul 8. PubMed PMID: 25012486.

148: Cohen JE, Gomori JM, Rajz G, Itshayek E, Eichel R, Leker RR. Urgent off-label use of the pipeline flow diverter stent in selected ischemic cerebrovascular conditions: thrombotic segments and tortuous arteries. *J Neurointerv Surg.* 2015 Sep;7(9):671-5. doi: 10.1136/neurintsurg-2014-011227. Epub 2014 Jun 20. PubMed PMID: 24951286.

149: Jacoby E, Yalon M, Leitner M, Cohen ZR, Cohen Y, Fisher T, Eder S, Amariglio N, Rechavi G,

Cazacu S, Xiang C, Mikkelsen T, Brodie C, Toren A. Related to testes-specific, vespid and pathogenesis protein-1 is regulated by methylation in glioblastoma. *Oncol Lett.* 2014 Apr;7(4):1209-1212. Epub 2014 Jan 27. PubMed PMID: 24944694; PubMed Central PMCID: PMC3961359.

150: Shahmoon S, Rubinfeld H, Wolf I, Cohen ZR, Hadani M, Shimon I, Rubinek T. The aging suppressor *klotho*: a potential regulator of growth hormone secretion. *Am J Physiol Endocrinol Metab.* 2014 Aug 1;307(3):E326-34. doi: 10.1152/ajpendo.00090.2014. Epub 2014 Jun 17. PubMed PMID: 24939736.

151: Zibly Z, Shaw A, Harnof S, Sharma M, Graves C, Deogaonkar M, Rezai A. Modulation of mind: therapeutic neuromodulation for cognitive disability. *J Clin Neurosci.* 2014 Sep;21(9):1473-7. doi: 10.1016/j.jocn.2013.11.040. Epub 2014 Jun 2. Review. PubMed PMID: 24882563.

152: Rubinfeld H, Kammer A, Cohen O, Gorshtein A, Cohen ZR, Hadani M, Werner H, Shimon I. IGF1 induces cell proliferation in human pituitary tumors - functional blockade of IGF1 receptor as a novel therapeutic approach in non-functioning tumors. *Mol Cell Endocrinol.* 2014 Jun 5;390(1-2):93-101. doi: 10.1016/j.mce.2014.04.007. Epub 2014 Apr 24. PubMed PMID: 24769281.

153: Vaso A, Adahan HM, Gjika A, Zahaj S, Zhurda T, Vyshka G, Devor M. Peripheral nervous system origin of phantom limb pain. *Pain.* 2014 Jul;155(7):1384-91. doi: 10.1016/j.pain.2014.04.018. Epub 2014 Apr 21. PubMed PMID: 24769187.

154: Shi W, Lawrence YR, Choy H, Werner-Wasik M, Andrews DW, Evans JJ, Judy KD, Farrell CJ, Moshel Y, Berger AC, Bar-Ad V, Dicker AP. Vorinostat as a radiosensitizer for brain metastasis: a phase I clinical trial. *J Neurooncol.* 2014 Jun;118(2):313-319. doi: 10.1007/s11060-014-1433-2. Epub 2014 Apr 13. PubMed PMID: 24728831.

155: Cohen JE, Gomori JM, Rajz G, Itshayek E, Eichel R, Leker RR. Extracranial carotid artery stenting followed by intracranial stent-based thrombectomy for acute tandem occlusive disease. *J Neurointerv Surg.* 2015 Jun;7(6):412-7. doi: 10.1136/neurintsurg-2014-011175. Epub 2014 Apr 12. PubMed PMID: 24727131.

156: Harnof S, Zibly Z, Hananel A, Monteith S, Grinfeld J, Schiff G, Kulbatski I, Kassell N. Potential of magnetic resonance-guided focused ultrasound for intracranial hemorrhage: an in vivo feasibility study. *J Stroke Cerebrovasc Dis.* 2014 Jul;23(6):1585-91. doi: 10.1016/j.jstrokecerebrovasdis.2013.12.044. Epub 2014 Apr 13. PubMed PMID: 24725813.

157: Livne O, Harel R, Hadani M, Spiegelmann R, Feldman Z, Cohen ZR. Intraoperative magnetic resonance imaging for resection of intra-axial brain lesions: a decade of experience using low-field magnetic resonance imaging, Polestar N-10, 20, 30 systems. *World Neurosurg.* 2014 Nov;82(5):770-6. doi: 10.1016/j.wneu.2014.02.004. Epub 2014 Feb 8. PubMed PMID: 24518885.

158: Prat D, Goren O, Bruk B, Bakon M, Hadani M, Harnof S. Description of the vasospasm phenomena following perimesencephalic nonaneurysmal subarachnoid hemorrhage. *Biomed Res Int.* 2013;2013:371063. doi: 10.1155/2013/371063. Epub 2013 Dec 28. PubMed PMID: 24455690; PubMed Central PMCID: PMC3888716.

159: Zibly Z, Levy I, Litchevski V, Nass D, Hofmann C, Barham J, Graves CA, Spiegelmann R, Hadani M, Cohen ZR. Brain biopsy in AIDS patients: diagnostic yield and treatment applications. *AIDS Res Ther.* 2014 Jan 21;11(1):4. doi: 10.1186/1742-6405-11-4. PubMed PMID: 24447375; PubMed Central PMCID: PMC3902420.

160: Zibly Z, Rajz GG, Sharma M, Harnof S. Indocyanine green video angiography-assisted surgical

management of coil migration resulting from the endovascular treatment of anterior communicating artery aneurysm: technical case report and instrumentation assessment. *Neurol India*. 2013 Nov-Dec;61(6):650-2. doi: 10.4103/0028-3886.125274. PubMed PMID: 24441335.

161: Harnof S, Hadani M, Ziv A, Berkenstadt H. Simulation-based interpersonal communication skills training for neurosurgical residents. *Isr Med Assoc J*. 2013 Sep;15(9):489-92. PubMed PMID: 24340839.

162: Robenshtok E, Benbassat CA, Hirsch D, Tzvetov G, Cohen ZR, Iraqi HM, Gorshtein A, Toledano Y, Shimon I. Clinical course and outcome of nonfunctioning pituitary neuroendocrine tumors in the elderly compared with younger age groups. *Endocr Pract*. 2014 Feb;20(2):159-64. doi: 10.4158/EP13182.OR. PubMed PMID: 24013994.

163: Harnof S, Hananel A, Zilby Z, Kulbatski I, Hadani M, Kassell N. Potential of magnetic resonance-guided focused ultrasound for intracranial hemorrhage: an in vitro feasibility study. *Int J Stroke*. 2014 Jan;9(1):40-7. doi: 10.1111/ijls.12051. Epub 2013 Jun 27. PubMed PMID: 23803153.

164: Goren O, Monteith SJ, Hadani M, Bakon M, Harnof S. Modern intraoperative imaging modalities for the vascular neurosurgeon treating intracerebral hemorrhage. *Neurosurg Focus*. 2013 May;34(5):E2. doi: 10.3171/2013.2.FOCUS1324. Review. PubMed PMID: 23634921.

165: Harnof S, Zibly Z, Cohen Z, Shaw A, Schlaff C, Kassel NF. Cranial nerve threshold for thermal injury induced by MRI-guided high-intensity focused ultrasound (MRgHIFU): preliminary results on an optic nerve model. *IEEE Trans Ultrason Ferroelectr Freq Control*. 2013 Apr;60(4):702-5. doi: 10.1109/TUFFC.2013.2618. PubMed PMID: 23549530.

166: Grossman R, Paden CM, Fry PA, Rhodes RS, Biegon A. Persistent region-dependent neuroinflammation, NMDA receptor loss and atrophy in an animal model of penetrating brain injury. *Future Neurol*. 2012 May 1;7(3):329-339. PubMed PMID: 23539500; PubMed Central PMCID: PMC3607550.

167: Regev-Yochay G, Rahav G, Strahilevitz J, Bishara J, Katzir M, Chowers M, Finkelstein R, Chazan B, Zimhony O, Dagan R; IAIPD study group. A nationwide surveillance of invasive pneumococcal disease in adults in Israel before an expected effect of PCV7. *Vaccine*. 2013 May 1;31(19):2387-94. doi: 10.1016/j.vaccine.2013.02.059. Epub 2013 Mar 19. PubMed PMID: 23518404.

168: Tenenbaum S, Arzi H, Shabshin N, Liberman B, Caspi I. Selective computed tomography-guided perisciatic injection as a diagnostic tool in multiple hereditary exostoses. *Orthopedics*. 2012 Sep;35(9):e1446-8. doi: 10.3928/01477447-20120822-38. PubMed PMID: 22955418.

169: Asher E, Greenberg-Dotan S, Halevy J, Glick S, Reuveni H. Defensive medicine in Israel - a nationwide survey. *PLoS One*. 2012;7(8):e42613. doi: 10.1371/journal.pone.0042613. Epub 2012 Aug 16. PubMed PMID: 22916140; PubMed Central PMCID: PMC3420907.

170: Rajz GG, Nass D, Talianski E, Pfeffer R, Spiegelmann R, Cohen ZR. Presentation patterns and outcome of gliomatosis cerebri. *Oncol Lett*. 2012 Jan;3(1):209-213. Epub 2011 Oct 18. PubMed PMID: 22740882; PubMed Central PMCID: PMC3362440.

171: Tenenbaum S, Arzi H, Herman A, Friedlander A, Levinkopf M, Arnold PM, Caspi I. Percutaneous Posterolateral Transforaminal Endoscopic Discectomy: Clinical Outcome, Complications, and Learning Curve Evaluation. *Surg Technol Int*. 2011 Dec;21:278-83. PubMed PMID: 22505002.

172: Abudy A, Juven-Wetzler A, Zohar J. Pharmacological management of treatment-resistant

obsessive-compulsive disorder. *CNS Drugs*. 2011 Jul;25(7):585-96. doi: 10.2165/11587860-000000000-00000. Review. PubMed PMID: 21699270.

173: Levkovitch-Verbin H, Spierer O, Vander S, Dardik R. Similarities and differences between primary and secondary degeneration of the optic nerve and the effect of minocycline. *Graefes Arch Clin Exp Ophthalmol*. 2011 Jun;249(6):849-57. doi: 10.1007/s00417-010-1608-2. Epub 2011 Jan 13. PubMed PMID: 21229256.

174: Hadani M. Development and design of low field compact intraoperative MRI for standard operating room. *Acta Neurochir Suppl*. 2011;109:29-33. doi: 10.1007/978-3-211-99651-5_5. PubMed PMID: 20960317.

175: Benifla M, Shelef I, Melamed I, Merkin V, Barrelly R, Cohen A. [Urgent removal of ruptured cerebral arteriovenous malformations in children]. *Harefuah*. 2010 Mar;149(3):148-52, 195. Hebrew. PubMed PMID: 20684164.

176: Spiegelmann R. Introduction. *J Neurooncol*. 2010 Jun;98(2):153. doi: 10.1007/s11060-010-0219-4. PubMed PMID: 20443128.

177: Spiegelmann R, Cohen ZR, Nissim O, Alezra D, Pfeffer R. Cavernous sinus meningiomas: a large LINAC radiosurgery series. *J Neurooncol*. 2010 Jun;98(2):195-202. doi: 10.1007/s11060-010-0173-1. Epub 2010 Apr 20. PubMed PMID: 20405308.

178: Rajz G, Simon D, Bakon M, Goren O, Zauberman J, Zibly Z, Zimlichman E, Harnof S. Traumatic carotid artery dissection. *Isr Med Assoc J*. 2009 Aug;11(8):507-8. PubMed PMID: 19891243.

179: Yanai Y, Adamit N, Harel R, Israel Z, Prut Y. Connected corticospinal sites show enhanced tuning similarity at the onset of voluntary action. *J Neurosci*. 2007 Nov 7;27(45):12349-57. PubMed PMID: 17989299; PubMed Central PMCID: PMC6673256.

180: Grossman R, Ram Z, Perel A, Yusim Y, Zaslansky R, Berkenstadt H. Control of postoperative pain after awake craniotomy with local intradermal analgesia and metamizol. *Isr Med Assoc J*. 2007 May;9(5):380-2. PubMed PMID: 17591378.

181: Cohen ZR, Zaubermann J, Harnof S, Mardor Y, Nass D, Zadicario E, Hananel A, Castel D, Faibel M, Ram Z. Magnetic resonance imaging-guided focused ultrasound for thermal ablation in the brain: a feasibility study in a swine model. *Neurosurgery*. 2007 Apr;60(4):593-600; discussion 600. PubMed PMID: 17415195.

182: Mizrachi IB, Trobe JD, Gebarski SS, Garton HJ. Papilledema in the assessment of ventriculomegaly. *J Neuroophthalmol*. 2006 Dec;26(4):260-3. PubMed PMID: 17204918.

183: Grossman R, Hoffman C, Mardor Y, Biegon A. Quantitative MRI measurements of human fetal brain development in utero. *Neuroimage*. 2006 Nov 1;33(2):463-70. Epub 2006 Aug 30. PubMed PMID: 16938471.

184: Nitzan A, Kermer P, Shirvan A, Bähr M, Barzilai A, Solomon AS. Examination of cellular and molecular events associated with optic nerve axotomy. *Glia*. 2006 Nov 1;54(6):545-56. PubMed PMID: 16906543.

185: Attia M, Harel R, Harnof S, Zibli Z, Spiegelmann R. Paradoxical transtentorial herniation in a patient with pseudotumor cerebri. *Isr Med Assoc J*. 2006 May;8(5):355-6. PubMed PMID: 16805239.

- 186: Fenichel I, Caspi I. The use of external fixation for the treatment of spine infection with *Actinomyces bacillus*. *J Spinal Disord Tech*. 2006 Feb;19(1):61-4. PubMed PMID: 16462221.
- 187: Nissim O, Bakon M, Ben Zeev B, Goshen E, Knoller N, Hadani M, Feldman Z. Moyamoya disease—diagnosis and treatment: indirect cerebral revascularization at the Sheba Medical Center. *Isr Med Assoc J*. 2005 Oct;7(10):661-6. Review. PubMed PMID: 16259350.
- 188: Knoller N, Auerbach G, Fulga V, Zelig G, Attias J, Bakimer R, Marder JB, Yoles E, Belkin M, Schwartz M, Hadani M. Clinical experience using incubated autologous macrophages as a treatment for complete spinal cord injury: phase I study results. *J Neurosurg Spine*. 2005 Sep;3(3):173-81. PubMed PMID: 16235699.
- 189: Attia M, Menhel J, Alezra D, Pffefer R, Spiegelmann R. Radiosurgery—LINAC or gamma knife: 20 years of controversy revisited. *Isr Med Assoc J*. 2005 Sep;7(9):583-8. Review. PubMed PMID: 16190483.
- 190: Stolik-Dollberg OC, Dollberg S. Bupivacaine versus lidocaine analgesia for neonatal circumcision. *BMC Pediatr*. 2005 May 22;5(1):12. PubMed PMID: 15907216; PubMed Central PMCID: PMC1164419.
- 191: Levkovitch-Verbin H, Quigley HA, Martin KR, Harizman N, Valenta DF, Pease ME, Melamed S. The transcription factor c-jun is activated in retinal ganglion cells in experimental rat glaucoma. *Exp Eye Res*. 2005 May;80(5):663-70. Epub 2005 Jan 4. PubMed PMID: 15862173.
- 192: Grossman R, Sadetzki S, Spiegelmann R, Ram Z. Haemorrhagic complications and the incidence of asymptomatic bleeding associated with stereotactic brain biopsies. *Acta Neurochir (Wien)*. 2005 Jun;147(6):627-31; discussion 631. Epub 2005 Apr 15. PubMed PMID: 15821863.
- 193: Zilinsky I, Bar-Meir E, Zaslansky R, Mendes D, Winkler E, Orenstein A. Ten commandments for minimal pain during administration of local anesthetics. *J Drugs Dermatol*. 2005 Mar-Apr;4(2):212-6. Review. PubMed PMID: 15776779.
- 194: Grossman R, Feldman Z. Subacute formation of syrinx post-untethering of spinal cord. *Pediatr Neurosurg*. 2004 Sep-Oct;40(5):234-7. PubMed PMID: 15687738.
- 195: Lubina A, Olchovsky D, Berezin M, Ram Z, Hadani M, Shimon I. Management of pituitary apoplexy: clinical experience with 40 patients. *Acta Neurochir (Wien)*. 2005 Feb;147(2):151-7; discussion 157. PubMed PMID: 15570437.
- 196: Segal E, Greenlee JD, Hata SJ, Perel A. Monitoring intravascular volumes to direct hypertensive, hypervolemic therapy in a patient with vasospasm. *J Neurosurg Anesthesiol*. 2004 Oct;16(4):296-8. PubMed PMID: 15557835.
- 197: Peles E, Lidar Z, Simon AJ, Grossman R, Nass D, Ram Z. Angiogenic factors in the cerebrospinal fluid of patients with astrocytic brain tumors. *Neurosurgery*. 2004 Sep;55(3):562-7; discussion 567-8. PubMed PMID: 15335423.
- 198: Grossman R, Feldman Z. Bone growth causing ventriculoperitoneal shunt malfunction in a patient with osteopetrosis. Case report. *J Neurosurg*. 2004 May;100(5 Suppl Pediatrics):530-1. PubMed PMID: 15287468.
- 199: Attia M, Harnof S, Knoller N, Shacked I, Zibly Z, Bedrin L, Regev-Yochay G. Cervical Pott's disease presenting as a retropharyngeal abscess. *Isr Med Assoc J*. 2004 Jul;6(7):438-9. PubMed PMID: 15274540.

- 200: Scope A, Barzilai A, Trau H, Orenstein A, Winkler E, Haik J. Parry-Romberg syndrome and sympathectomy—a coincidence? *Cutis*. 2004 May;73(5):343-4, 346. PubMed PMID: 15186051.
- 201: Barkana Y, Levin N, Goldhammer Y, Steiner I. Chronic intracranial hypertension with unexplained cerebrospinal fluid pleocytosis. *J Neuroophthalmol*. 2004 Jun;24(2):106-8. PubMed PMID: 15179061.
- 202: Poreh AM, Schweiger A. The effects of second-language acquisition on verbal fluency among elderly israelis. *CNS Spectr*. 2002 May;7(5):377-8, 383-6. PubMed PMID: 15122109.
- 203: Rosner M, Bourla N, Rosen N. Eyelid splitting and extirpation of hair follicles using a radiosurgical technique for treatment of trichiasis. *Ophthalmic Surg Lasers Imaging*. 2004 Mar-Apr;35(2):116-22. PubMed PMID: 15088821.
- 204: Ben-Zeev B, Kivity S, Pshitizki Y, Watemberg N, Brand N, Kramer U. Congenital hydrocephalus and continuous spike wave in slow-wave sleep—a common association? *J Child Neurol*. 2004 Feb;19(2):129-34. PubMed PMID: 15072106.
- 205: Lidar Z, Mardor Y, Jonas T, Pfeffer R, Faibel M, Nass D, Hadani M, Ram Z. Convection-enhanced delivery of paclitaxel for the treatment of recurrent malignant glioma: a phase I/II clinical study. *J Neurosurg*. 2004 Mar;100(3):472-9. PubMed PMID: 15035283.
- 206: Cohen ZR, Suki D, Weinberg JS, Marmor E, Lang FF, Gershenson DM, Sawaya R. Brain metastases in patients with ovarian carcinoma: prognostic factors and outcome. *J Neurooncol*. 2004 Feb;66(3):313-25. PubMed PMID: 15015663.
- 207: Attia M, Bakon M, Blatt I, Tanne D, Feldman Z. Decompressive hemicraniectomy as a lifesaving procedure in severe acute ischemic stroke. *Isr Med Assoc J*. 2003 Sep;5(9):677-8. PubMed PMID: 14509166.
- 208: Gurshumov N, Yinon U. Functional organization of columns in damaged visual cortex of adult cats. *J Basic Clin Physiol Pharmacol*. 2002;13(3):215-24. PubMed PMID: 12670030.
- 209: Spiegelmann R, Nissim O, Menhel J, Alezra D, Pfeffer MR. Linear accelerator radiosurgery for meningiomas in and around the cavernous sinus. *Neurosurgery*. 2002 Dec;51(6):1373-79; discussion 1379-80. PubMed PMID: 12445342.
- 210: Cohen ZR, Achiron R, Feldman Z. Prenatal sonographic diagnosis of lateral ventricle choroid plexus papilloma in an in vitro fertilization-induced pregnancy. *Pediatr Neurosurg*. 2002 Nov;37(5):267-70. PubMed PMID: 12411720.
- 211: Cohen ZR, Ram Z, Knoller N, Peles E, Hadani M. Management and outcome of non-traumatic cerebellar haemorrhage. *Cerebrovasc Dis*. 2002;14(3-4):207-13. PubMed PMID: 12403953.
- 212: Shimon I, Ram Z, Cohen ZR, Hadani M. Transsphenoidal surgery for Cushing's disease: endocrinological follow-up monitoring of 82 patients. *Neurosurgery*. 2002 Jul;51(1):57-61; discussion 61-2. PubMed PMID: 12182435.
- 213: Knoller N, Levi L, Shoshan I, Reichenthal E, Razon N, Rappaport ZH, Biegon A. Dexanabolol (HU-211) in the treatment of severe closed head injury: a randomized, placebo-controlled, phase II clinical trial. *Crit Care Med*. 2002 Mar;30(3):548-54. PubMed PMID: 11990913.
- 214: Hildesheimer M, Henkin Y, Pye A, Heled S, Sahartov E, Shabtai EL, Muchnik C. Bilateral superior cervical sympathectomy and noise-induced, permanent threshold shift in guinea pigs. *Hear Res*. 2002

Jan;163(1-2):46-52. PubMed PMID: 11788198.

215: Epstein J, Kaplan G, Lavi B, Noy S, Ben Shahar I, Shahaf P, Stanger V, Rotstein Z. A description of inappropriate hospital stays in selected in-patient services: a study of cases receiving social work services. *Soc Work Health Care*. 2001;32(4):43-65. PubMed PMID: 11451157.

216: Berkenstadt H, Perel A, Hadani M, Unofrievich I, Ram Z. Monitored anesthesia care using remifentanyl and propofol for awake craniotomy. *J Neurosurg Anesthesiol*. 2001 Jul;13(3):246-9. PubMed PMID: 11426102.

217: Shimon I, Cohen ZR, Ram Z, Hadani M. Transsphenoidal surgery for acromegaly: endocrinological follow-up of 98 patients. *Neurosurgery*. 2001 Jun;48(6):1239-43; discussion 1244-5. PubMed PMID: 11383725.

218: Spiegelmann R, Gofman J, Alezra D, Pfeffer R. Radiosurgery for acoustic neurinomas (vestibular schwannomas). *Isr Med Assoc J*. 1999 Sep;1(1):8-13. PubMed PMID: 11370134.

219: Berkenstadt H, Ram Z. Monitored anesthesia care in awake craniotomy for brain tumor surgery. *Isr Med Assoc J*. 2001 Apr;3(4):297-300. Review. PubMed PMID: 11344849.

220: Cohen ZR, Duvdevani R, Nass D, Hadani M, Ram Z. Intraarterial delivery of genetic vectors for the treatment of malignant brain tumors. *Isr Med Assoc J*. 2001 Feb;3(2):117-20. PubMed PMID: 11344821.

221: Hadani M, Spiegelman R, Feldman Z, Berkenstadt H, Ram Z. Novel, compact, intraoperative magnetic resonance imaging-guided system for conventional neurosurgical operating rooms. *Neurosurgery*. 2001 Apr;48(4):799-807; discussion 807-9. PubMed PMID: 11322440.

222: Berkenstadt H, Perel A, Ram Z, Feldman Z, Nahtomi-Shick O, Hadani M. Anesthesia for magnetic resonance guided neurosurgery: initial experience with a new open magnetic resonance imaging system. *J Neurosurg Anesthesiol*. 2001 Apr;13(2):158-62. PubMed PMID: 11294459.

223: Berkenstadt H, Margalit N, Hadani M, Friedman Z, Segal E, Villa Y, Perel A. Stroke volume variation as a predictor of fluid responsiveness in patients undergoing brain surgery. *Anesth Analg*. 2001 Apr;92(4):984-9. PubMed PMID: 11273937.

224: Spiegelmann R, Lidar Z, Gofman J, Alezra D, Hadani M, Pfeffer R. Linear accelerator radiosurgery for vestibular schwannoma. *J Neurosurg*. 2001 Jan;94(1):7-13. PubMed PMID: 11147901.

225: Levkovitch-Verbin H, Harris-Cerruti C, Groner Y, Wheeler LA, Schwartz M, Yoles E. RGC death in mice after optic nerve crush injury: oxidative stress and neuroprotection. *Invest Ophthalmol Vis Sci*. 2000 Dec;41(13):4169-74. PubMed PMID: 11095611.

226: Ram Z, Bruck B, Hadani M. Ultrasound in pituitary tumor surgery. *Pituitary*. 1999 Aug;2(2):133-8. PubMed PMID: 11081164.

227: Ben Abraham R, Lahat E, Sheinman G, Feldman Z, Barzilai A, Harel R, Barzilay Z, Paret G. Metabolic and clinical markers of prognosis in the era of CT imaging in children with acute epidural hematomas. *Pediatr Neurosurg*. 2000 Aug;33(2):70-5. PubMed PMID: 11070432.

228: Cohen ZR, Knoller N, Hadani M, Davidson B, Nass D, Ram Z. Traumatic intratumoral hemorrhage as the presenting symptom of a spinal neurinoma. Case report. *J Neurosurg*. 2000 Oct;93(2 Suppl):327-9. PubMed PMID: 11012070.

- 229: Ben-Dov I, Chorney N, Gaides M, Shachor D. Effect of thoracic sympathectomy on arm and leg exercise capacity and on lung function. *Respiration*. 2000;67(4):378-82. PubMed PMID: 10940790.
- 230: Ram Z. Advances in the diagnosis and treatment of malignant brain tumors. *Isr Med Assoc J*. 1999 Nov;1(3):188-93. Review. PubMed PMID: 10731333.
- 231: Spierer A, Spierer S. Transient extraocular muscle palsy resulting from inferior alveolar nerve block in children. *J Clin Pediatr Dent*. 1999 Fall;24(1):29-30. PubMed PMID: 10709539.
- 232: Chudinov A, Berkenstadt H, Salai M, Cahana A, Perel A. Continuous psoas compartment block for anesthesia and perioperative analgesia in patients with hip fractures. *Reg Anesth Pain Med*. 1999 Nov-Dec;24(6):563-8. PubMed PMID: 10588563.
- 233: Hadani M, Bruk B, Ram Z, Knoller N, Spiegelmann R, Segal E. Application of transcranial doppler ultrasonography for the diagnosis of brain death. *Intensive Care Med*. 1999 Aug;25(8):822-8. PubMed PMID: 10447539.
- 234: Hadani M, Bruk B, Ram Z, Knoller N, Bass A. Transiently increased basilar artery flow velocity following severe head injury: a time course transcranial Doppler study. *J Neurotrauma*. 1997 Sep;14(9):629-36. PubMed PMID: 9337125.
- 235: Lidar T, Christian A, Yakar S, Langevitz P, Zeilig G, Ohry A, Bakimer R, Sorek H, Livneh A. Clinically insignificant (natural) autoantibodies against acetyl cholinesterase in the sera of patients with a variety of neurologic, muscular and autoimmune diseases. *Immunol Lett*. 1997 Feb;55(2):79-84. PubMed PMID: 9143937.
- 236: Yinon U, Shemesh R, Arda H, Rosner M, Jaros PP. Physiological studies of visual cortex reorganization following cortical deafferentation in neonatal cats. *Can J Physiol Pharmacol*. 1995 Sep;73(9):1378-88. PubMed PMID: 8748988.
- 237: Spiegelmann R, Faibel M, Zohar Y. CT target selection in stereotactic anterior capsulotomy: anatomical considerations. *Stereotact Funct Neurosurg*. 1994;63(1-4):160-7. PubMed PMID: 7624628.
- 238: Adar R. Surgical treatment of palmar hyperhidrosis before thoracoscopy: experience with 475 patients. *Eur J Surg Suppl*. 1994;(572):9-11. PubMed PMID: 7524790.
- 239: Roizin H, Ballin A, Hadani M, Barzilay Z. Intracerebral hemorrhage in an infant with idiopathic thrombocytopenic purpura: approach to the surgical management. *Isr J Med Sci*. 1993 Nov;29(11):713-5. PubMed PMID: 8270404.
- 240: Shacked I, Ram Z, Hadani M. The anterior cervical approach for traumatic injuries to the cervical spine in children. *Clin Orthop Relat Res*. 1993 Jul;(292):144-50. PubMed PMID: 8519103.
- 241: Ram Z, Hadani M, Sahar A, Spiegelmann R. Continuous irrigation-drainage of the subdural space for the treatment of chronic subdural haematoma. A prospective clinical trial. *Acta Neurochir (Wien)*. 1993;120(1-2):40-3. PubMed PMID: 8434515.
- 242: Hadani M, Ram Z, Horowitz A, Shacked I. Silicon prevents post laminectomy epidural root adhesions. An experimental study in rats. *Acta Neurochir (Wien)*. 1993;123(3-4):153-6. PubMed PMID: 8237494.
- 243: Yellin A, Findler G, Barzilay Z, Simansky DA, Lieberman Y. Fibrothorax associated with a ventriculopleural shunt in a hydrocephalic child. *J Pediatr Surg*. 1992 Dec;27(12):1525-6. PubMed

PMID: 1469560.

244: Ram Z, Knoller N, Findler G, Sahar A. Delayed intraventricular tension pneumocephalus complicating posterior fossa surgery for cerebellar medulloblastoma. *Childs Nerv Syst*. 1992 Sep;8(6):351-3. PubMed PMID: 1394284.

245: Hadani M, Freeman T, Munsiff A, Young W, Flamm E. Fetal cortical cells survive in focal cerebral infarct after permanent occlusion of the middle cerebral artery in adult rats. *J Neurotrauma*. 1992 Summer;9(2):107-12. PubMed PMID: 1404423.

246: Ram Z, Sadeh M, Walden R, Adar R. Vascular insufficiency quantitatively aggravates diabetic neuropathy. *Arch Neurol*. 1991 Dec;48(12):1239-42. PubMed PMID: 1845025.

247: Spiegelmann R, Findler G, Faibel M, Ram Z, Shacked I, Sahar A. Postoperative spinal epidural empyema. Clinical and computed tomography features. *Spine (Phila Pa 1976)*. 1991 Oct;16(10):1146-9. PubMed PMID: 1754934.

248: Stern Y, Spiegelmann R, Sadeh M. Spinal intradural arachnoid cysts. *Neurochirurgia (Stuttg)*. 1991 Jul;34(4):127-30. PubMed PMID: 1922631.

249: Ram Z, Sadeh M, Shacked I, Sahar A, Hadani M. Magnesium sulfate reverses experimental delayed cerebral vasospasm after subarachnoid hemorrhage in rats. *Stroke*. 1991 Jul;22(7):922-7. PubMed PMID: 1853412.

250: Hildesheimer M, Sharon R, Muchnik C, Sahartov E, Rubinstein M. The effect of bilateral sympathectomy on noise induced temporary threshold shift. *Hear Res*. 1991 Jan;51(1):49-53. PubMed PMID: 2013545.

251: Ram Z, Sahar A, Hadani M. Vasospasm due to massive subarachnoid haemorrhage—a rat model. *Acta Neurochir (Wien)*. 1991;110(3-4):181-4. PubMed PMID: 1927612.

252: Yinon U, Gelerstein S. Isochronic transplantation of neonatal grafts in the visual cortex of cats: responsiveness, ocular dominance and specificity of cortical cells to visual stimulation. *Exp Brain Res*. 1991;87(1):181-92. PubMed PMID: 1756824.

253: Bar-Ilan A, Naveh N, Weissman C, Belkin M, Schwartz M. Prostaglandin E2 changes in the retina and optic nerve of an eye with injured optic nerve. *Neuroscience*. 1991;45(1):221-5. PubMed PMID: 1754065.

254: Naveh N, Bar-Ilan A, Rosner M, Schwartz M, Weissman C, Belkin M. Low-energy laser irradiation—a new measure for suppression of arachidonic acid metabolism in the optic nerve. *J Neurosci Res*. 1990 Jul;26(3):386-9. PubMed PMID: 2168952.

255: Ram Z, Findler G, Tadmor R, Sahar A, Shacked I. Syringopleural shunt for the treatment of syringomyelia. Technical note. *Spine (Phila Pa 1976)*. 1990 Mar;15(3):231-3. PubMed PMID: 2073246.

256: Ram Z, Hadani M, Spiegelman R, Tadmor R, Shacked I. Delayed nonhemorrhagic encephalopathy following mild head trauma. Case report. *J Neurosurg*. 1989 Oct;71(4):608-10. PubMed PMID: 2795180.

257: Ram Z, Spiegelman R, Findler G, Hadani M. Delayed postoperative neurological deterioration from prolonged sodium nitroprusside administration. Case report. *J Neurosurg*. 1989 Oct;71(4):605-7. PubMed PMID: 2795179.

- 258: Spiegelmann R, Hadani M, Ram Z, Faibel M, Shacked I. Upward transtentorial herniation: a complication of postoperative edema at the cervicomedullary junction. *Neurosurgery*. 1989 Feb;24(2):284-8. PubMed PMID: 2918983.
- 259: Ram Z, Hadani M, Berezin M, Findler G, Sahar A, Shacked I. Intratumoural cyst formation in pituitary macroadenomas. *Acta Neurochir (Wien)*. 1989;100(1-2):56-61. PubMed PMID: 2510470.
- 260: Yinon U, Chen M, Hammer A. Midsagittal transection of the optic chiasm and the corpus callosum induces visual split brain in cats: the effect on ocular dominance and responsiveness to cells in the visual cortex. *Exp Neurol*. 1988 Jul;101(1):107-13. PubMed PMID: 3391253.
- 261: Blankstein A, Spiegelmann R, Shacked I, Schinder E, Chechick A. Hemangioma of the thoracic spine involving multiple adjacent levels: case report. *Paraplegia*. 1988 Jun;26(3):186-91. PubMed PMID: 3419864.
- 262: Keren G, Geva T, Bogokovsky B, Rubinstein E. Corynebacterium Group JK pathogen in cerebrospinal fluid shunt infection. Report of two cases. *J Neurosurg*. 1988 Apr;68(4):648-50. PubMed PMID: 3351595.
- 263: Klein E, Salinas A, Shemesh E, Dreiling DA. Effects of autonomic denervation on canine exocrine pancreatic secretion and blood flow. *Int J Pancreatol*. 1988 Mar;3(2-3):165-70. PubMed PMID: 3361158.
- 264: Spiegelmann R, Ram Z, Findler G, Knoller N, Shaked I, Sahar A. Spinal cord involvement as the presenting symptom of acute monocytic leukemia. *Surg Neurol*. 1988 Feb;29(2):145-8. PubMed PMID: 3422114.
- 265: Spiegelmann R. A simple method for irrigation and drainage in neurosurgery. Technical note. *Acta Neurochir (Wien)*. 1988;93(1-2):68-9. PubMed PMID: 3414419.
- 266: Ram Z, Findler G, Guttman I, Cherniak R, Knoller N, Shacked I. Ventriculoperitoneal shunt malfunction due to migration of the abdominal catheter into the scrotum. *J Pediatr Surg*. 1987 Nov;22(11):1045-6. PubMed PMID: 3323455.
- 267: Meirovitch J, Kitai-Cohen Y, Keren G, Fiendler G, Rubinstein E. Cerebrospinal fluid shunt infections in children. *Pediatr Infect Dis J*. 1987 Oct;6(10):921-4. PubMed PMID: 3696825.
- 268: Shadmi AL, Lunenfeld B, Bahari C, Kokia E, Pariente C, Blankstein J. Abolishment of the positive feedback mechanism: a criterion for temporary medical hypophysectomy by LH-RH agonist. *Gynecol Endocrinol*. 1987 Mar;1(1):1-11. PubMed PMID: 2972166.

From:

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

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=sheba_medical_center

Last update: **2025/05/27 19:49**

