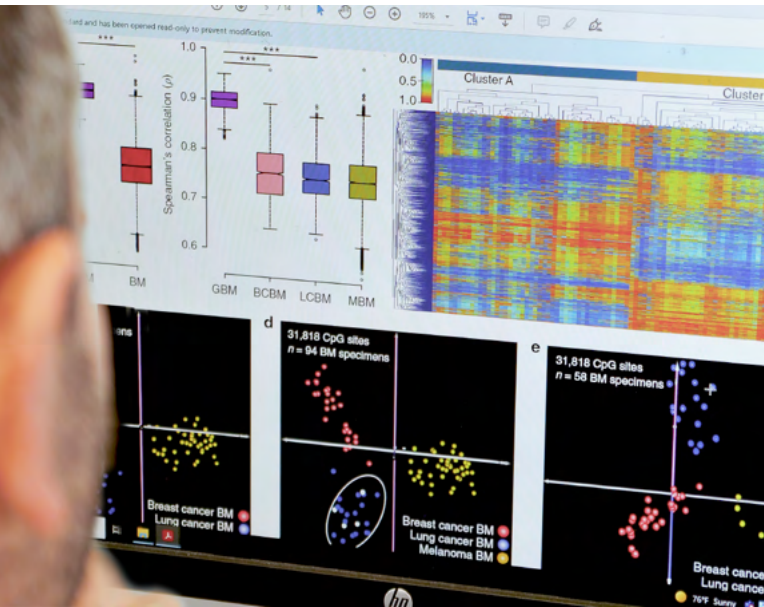


Saint John's Cancer Institute *Research Spotlight* 2023



Faculty Publications

Saint John's
Cancer Institute
Saint John's Health Center
 Providence

Our research addresses global challenges in the fight against cancer. The science aims to shape clinical care to promote best practices.

In 2023, Saint John's Cancer Institute published 92 peer-reviewed research studies across more than a dozen key specialties and subspecialties, developed by 47 scientists and clinicians, excluding their staff and lab teams. Studies were far-reaching, involving internal and external collaborators, working together to understand tomorrow's oncology questions from today's research-driven answers.

Many of our studies are guided by faculty-fellow mentoring research programs. Studies also involve domestic and international collaborations with other cancer centers. Fellows participate in several areas including translational sciences, urology, breast oncology, neuroscience, endocrine, complex general surgery, and melanoma. They pursue their research with the guidance of their mentors.

The more research we can do, the more our patients can do with their lives.

Saint John's
Cancer Institute

Saint John's Health Center

 Providence

Warren Allen, MD

Diagnostic miRNA Signatures in Paired Tumor, Plasma, and Urine Specimens from Renal Cell Carcinoma Patients.

<https://pubmed.ncbi.nlm.nih.gov/37791385/>

Bustos MA, Gottlieb J, Choe J, Suyeon R, Lin SY, Allen WM, Krasne DL, Wilson TG, Hoon DSB, Linehan JA.

Clin Chem. 2023 Oct 4:hvad133. doi: 10.1093/clinchem/hvad133. PMID: 37791385



Maria Ascierto, Ph.D.

Brief Report: Safety and Antitumor Activity of Durvalumab Plus Tremelimumab in Programmed Cell Death-(Ligand)1-Monotherapy Pretreated, Advanced NSCLC: Results From a Phase 1b Clinical Trial.

<https://pubmed.ncbi.nlm.nih.gov/37146752/>

Garon EB, Spira AI, Goldberg SB, Chaft JE, Papadimitrakopoulou V, Cascone T, Antonia SJ, Brahmer JR, Camidge DR, Powderly JD, Wozniak AJ, Felip E, Wu S, Ascierto ML, Elgeioushi N, Awad MM.

J Thorac Oncol. 2023 Aug;18(8):1094-1102. doi: 10.1016/j.jtho.2023.04.020. Epub 2023 May 4. PMID: 37146752

Multi-omic profiling reveals discrepant immunogenic properties and a unique tumor microenvironment among melanoma brain metastases

<https://pubmed.ncbi.nlm.nih.gov/37964004/>

In GK, Ribeiro JR, Yin J, Xiu J, Bustos MA, Ito F, Chow F, Zada G, Hwang L, Salama AKS, Park SJ, Moser JC, Darabi S, Domingo-Musibay E, Ascierto ML, Margolin K, Lutzky J, Gibney GT, Atkins MB, Izar B, Hoon DSB, VanderWalde AM.

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Phase 1/2 study of monalizumab plus durvalumab in patients with advanced solid tumors.

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Patel SP, Alonso-Gordoa T, Banerjee S, Wang D, Naidoo J, Standifer NE, Palmer DC, Cheng LY, Kourtesis P, Ascierto ML, Das M, Diamond JR, Hellmann MD, Carneiro BA.

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Garni Barkhoudarian, MD

Treatment of Cushing Disease with Pituitary-Targeting Seliciclib

<https://pubmed.ncbi.nlm.nih.gov/36214832/>

Liu NA, Ben-Shlomo A, Carmichael JD, Wang C, Swerdloff RS, Heaney AP, Barkhoudarian G, Kelly D, Noureddin M, Lu L, Desai M, Stolyarov Y, Yuen K, Mamelak AN, Mirocha J, Tighiouart M, Melmed S.

J Clin Endocrinol Metab. 2023 Feb 15;108(3):726-735. doi: 10.1210/clinem/dgac588. PMID: 36214832

An expanded safety/feasibility study of the EMulate Therapeutics Voyager™ System in patients with recurrent glioblastoma

<https://pubmed.ncbi.nlm.nih.gov/37462385/>

Barkhoudarian G, Badruddoja M, Blondin N, Chowdhary S, Cobbs C, Duic JP, Flores JP, Fonkem E, McClay E, Nabors LB, Salacz M, Taylor L, Vaillant B, Gill J, Kesari S.

CNS Oncol. 2023 Sep 1;12(3):CNS102. doi: 10.2217/cns-2022-0016. Epub 2023 Jul 18. PMID: 37462385



Patient Perception of Education, Care Coordination, and Psychological Distress After Developing Facial Paralysis: A Qualitative Study

<https://pubmed.ncbi.nlm.nih.gov/37079310/>

Kenton NR, Estafanous M, Itamura K, Filus A, Gowrinathan S, Martin NA, Sivakumar W, Barkhoudarian G, Byrne PJ, Kochhar A.

JAMA Otolaryngol Head Neck Surg. 2023 Jun 1;149(6):485-492. doi: 10.1001/jamaoto.2023.0371. PMID: 37079310

A prospective multi-center observational study of surgical versus non-surgical management for pituitary apoplexy

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Mamelak AN, Little AS, Gardner PA, Almeida JP, Recinos P, Soni P, Kshetry VR, Jane JA, Barkhoudarian G, Kelly DF, Dodd R, Mukherjee D, Gersey ZC, Fukuhara N, Nishioka H, Kim EH, Litre CF, Sina E, Mazer MW, Cui Y, Bonert VJ

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Enhanced recovery after brain tumor surgery: pilot protocol implementation in a large healthcare system

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Sivakumar W, Guan J, Langevin JP, Barkhoudarian G, Kelly DF, Martin N.

Neurosurg Focus. 2023 Dec;55(6):E5. doi: 10.3171/2023.9.FOCUS23563. PMID: 38039543

Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

<https://pubmed.ncbi.nlm.nih.gov/38047868/>

S Kesari, N Wagle, JA Carrillo, A Sharma, M Nguyen, J Truong, JM Gill, R Nersesian, N Nomura, E Rahbarlayegh, G Barkhoudarian, W Sivakumar, DF Kelly, H Krauss, MA Bustos, D Hoon, L Anker, A Singh, K Sankhala, TM Juarez

Clin Cancer Res. 2023 Dec 4;OF1-OF11. doi: 10.1158/1078-0432.CCR-23-2317. PMID: 38047868

Anton J. Bilchik, MD, Ph.D, MBA, FACS

Spatial profiling of cancer-associated fibroblasts of sporadic early onset colon cancer microenvironment

<https://pubmed.ncbi.nlm.nih.gov/37964075/>

Furuhashi S, Bustos MA, Mizuno S, Ryu S, Naeini Y, Bilchik AJ, Hoon DSB.

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Jennifer Bramen, Ph.D.

Impact of Eating a Carbohydrate-Restricted Diet on Cortical Atrophy in a Cross-Section of Amyloid Positive Patients with Alzheimer's Disease: A Small Sample Study

<https://pubmed.ncbi.nlm.nih.gov/37742646/>

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J Alzheimers Dis. 2023;96(1):329-342. doi: 10.3233/JAD-230458. PMID: 37742646 PMCID: PMC10657694

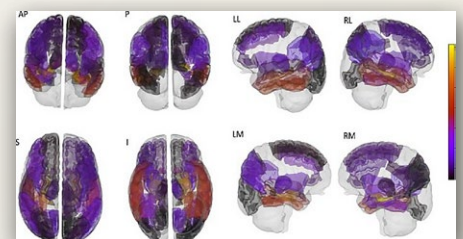


Preliminary validation of a structural magnetic resonance imaging metric for tracking dementia-related neurodegeneration and future decline

<https://pubmed.ncbi.nlm.nih.gov/37421927/>

Gavin T. Kress, Emily S. Popa, Paul M. Thompson, Susan Y. Bookheimer, Sophia I. Thomopoulos, Christopher R.K. Ching, Hong Zheng, Daniel A. Hirsh, David A. Merrill, Stella E. Panos, Cyrus A. Raji, Prabha Siddarth, Jennifer E. Bramen

Neuroimage Clin. 2023;39:103458. doi: 10.1016/j.nicl.2023.103458. PMID: 37421927 PMCID: PMC10338152



Nature-themed video intervention may improve cardiovascular safety of psilocybin-assisted therapy for alcohol use disorder

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Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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Meysami S, Raji CA, Glatt RM, Popa ES, Ganapathi AS, Bookheimer T, Slyapich CB, Pierce KP, Richards CJ, Lampa MG, Gill JM, Rapozo MK, Hodes JF, Tongson YM, Wong CL, Kim M, Porter VR, Kaiser SA, Panos SE, Dye RV, Miller KJ, Bookheimer SY, Martin NA, Kesari S, Kelly DE, Bramen JE, Siddarth P, Merrill DA.

J Alzheimers Dis. 2023;91(3):999-1006. doi: 10.3233/JAD-220886. PMID: 36530088. PMCID: PMC9912728

Matias Bustos, Ph.D.



Inhibition of Microsomal Prostaglandin E2 Synthase Reduces Collagen Deposition in Melanoma Tumors and May Improve Immunotherapy Efficacy by Reducing T-cell Exhaustion

<https://pubmed.ncbi.nlm.nih.gov/37529399/>

Y Fukuda, S Kim, MA Bustos, S Cho, J Roszik, JK Burks, H Kim, D Hoon, EA Grimm, S Ekmekcioglu
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MiR-181a targets STING to drive PARP inhibitor resistance in BRCA- mutated triple-negative breast cancer and ovarian cancer

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Bustos MA, Yokoe T, Shoji Y, Kobayashi Y, Mizuno S, Murakami T, Zhang X, Sekhar SC, Kim S, Ryu S, Knarr M, Vasilev SA, DiFeo A, Drapkin R, Hoon DSB.

Cell Biosci. 2023 Nov 6;13(1):200. doi: 10.1186/s13578-023-01151-y. PMID: 37932806. PMCID: PMC10626784

Spatial profiling of cancer-associated fibroblasts of sporadic early onset colon cancer microenvironment

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Furuhashi S, Bustos MA, Mizuno S, Ryu S, Naeini Y, Bilchik AJ, Hoon DSB.

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In GK, Ribeiro JR, Yin J, Xiu J, Bustos MA, Ito F, Chow F, Zada G, Hwang L, Salama AKS, Park SJ, Moser JC, Darabi S, Domingo-Musibay E, Ascierto ML, Margolin K, Lutzky J, Gibney GT, Atkins MB, Izar B, Hoon DSB, VanderWalde AM.

NPJ Precis Oncol. 2023 Nov 14;7(1):120. doi: 10.1038/s41698-023-00471-z. PMID: 37964004. PMCID: PMC10646102

Diagnostic miRNA Signatures in Paired Tumor, Plasma, and Urine Specimens from Renal Cell Carcinoma Patients

<https://pubmed.ncbi.nlm.nih.gov/37791385/>

MA Bustos, J Gottlieb, J Choe, R Suyeon, SY Lin, WM Allen, DL Krasne, TG Wilson, D Hoon, JA Linehan

Clin Chem. 2023 Oct 4;hvd133. doi: 10.1093/clinchem/hvd133. PMID: 37791385

Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

<https://pubmed.ncbi.nlm.nih.gov/38047868/>

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Clin Cancer Res. 2023 Dec 4;OF1-OF11. doi: 10.1158/1078-0432.CCR-23-2317. PMID: 38047868

The Vicious Cycle of Melanoma-Microglia Crosstalk: Inter-Melanoma Variations in the Brain-Metastasis-Promoting IL-6/JAK/STAT3 Signaling Pathway

<https://pubmed.ncbi.nlm.nih.gov/37296634/>

Izraely S, Ben-Menachem S, Malka S, Sagi-Assif O, Bustos MA, Adir O, Meshel T, Chelladurai M, Ryu S, Ramos RI, Pasmanik-Chor M, Hoon DSB, Witz IP.

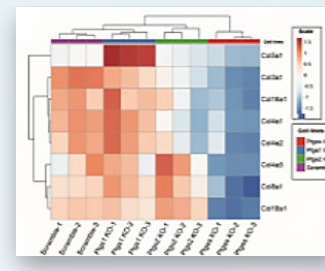
Cells. 2023 May 30;12(11):1513. doi: 10.3390/cells12111513. PMID: 37296634. PMCID: PMC10253015

Inhibition of Microsomal Prostaglandin E2 Synthase Reduces Collagen Deposition in Melanoma Tumors and May Improve Immunotherapy Efficacy by Reducing T-cell Exhaustion

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Fukuda Y, Kim SH, Bustos MA, Cho SN, Roszik J, Burks JK, Kim H, Hoon DSB, Grimm EA, Ekmekcioglu S.

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NGS Analysis of Plasma cfDNA and cfmiRNA Signatures in Melanoma Brain Metastasis Patients

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William Buxton, MD

Using CRISPR/Cas9 to identify genes required for mechanosensory neuron development and function

<https://pubmed.ncbi.nlm.nih.gov/37589291/>

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Biol Open. 2023 Sep 15;12(9):bio060002. doi: 10.1242/bio.060002. Epub 2023 Sep 5. PMID: 37589291



Jose Carrillo, MD

Activity of pemetrexed in pre-clinical chordoma models and humans

<https://pubmed.ncbi.nlm.nih.gov/>

Kesari S, Wang F, Juarez T, Ashili S, Patro CPK, Carrillo J, Nguyen M, Truong J, Levy J, Sommer J, Freed DM, Xiu J, Takasumi Y, Bouffet E, Gill JM.

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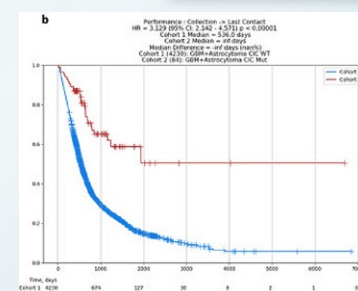


Capicua (CIC) mutations in gliomas in association with MAPK activation for exposing a potential therapeutic target

<https://pubmed.ncbi.nlm.nih.gov/37291277/>

Darabi S, Xiu J, Samec T, Kesari S, Carrillo J, Aulakh S, Walsh KM, Sengupta S, Sumrall A, Spetzler D, Glantz M, Demeure MJ.

Med Oncol. 2023 Jun 8;40(7):197. doi: 10.1007/s12032-023-02071-0. PMID: 37291277. PMCID: PMC10250263



Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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S Kesari, N Wagle, JA Carrillo, A Sharma, M Nguyen, J Truong, JM Gill, R Nersesian, N Nomura, E Rahbarlayegh, G Barkhoudarian, W Sivakumar, DF Kelly, H Krauss, MA Bustos, D Hoon, L Anker, A Singh, K Sankhala, TM Juarez

Clin Cancer Res. 2023 Dec 4;OF1-OF11. doi: 10.1158/1078-0432.CCR-23-2317. PMID: 38047868

Richard Essner, MD, FACS

Is therapeutic lymph node dissection of value for lymph node recurrence in melanoma?

<https://pubmed.ncbi.nlm.nih.gov/37923660/>

Wilson AK, Lourdault K, Ostad T, Stern S, Essner R.

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Age-related next-generation sequencing mutational analysis in 1196 melanomas

<https://pubmed.ncbi.nlm.nih.gov/36938777/>

Santamaria-Barria JA, Matsuba C, Khader A, Scholar AJ, Garland-Kledzik M, Fischer TD, Essner R, Salomon MP, Mammen JMV, Goldfarb M.

J Surg Oncol. 2023 Jun;127(7):1187-1195. doi: 10.1002/jso.27239. Epub 2023 Mar 20. PMID: 36938777

Evolving management of early-stage pancreatic adenocarcinoma in older patients

<https://pubmed.ncbi.nlm.nih.gov/36058752/>

Nassoïy S, Christopher W, Marcus R, Keller J, Weiss J, Chang SC, Essner R, Foshag L, Fischer T, Goldfarb M.
Am J Surg. 2023 Jan;225(1):212-219. doi: 10.1016/j.amjsurg.2022.07.026. PMID: 36058752

The 31-gene expression profile test informs sentinel lymph node biopsy decisions in patients with cutaneous melanoma: results of a prospective, multicenter study

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Yamamoto M, Sickie-Santanello B, Beard T, Essner R, Martin B, Bailey CN, Guenther JM.Curr
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Crystal Fancher, MD, FACS

Simultaneous Symmetry Procedure in Patients Undergoing Oncoplastic Breast-Conserving Surgery: An Evaluation of Patient Desire and Revision Rates

<https://pubmed.ncbi.nlm.nih.gov/37537484/>

Millen JC, Jackson KM, Stern SL, Orozco JIJ, Fancher CE, Grumley J.
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A Look at the Other Side: High-Risk Lesions and Occult Contralateral Malignancy in Symmetry Procedures for Patients Undergoing Oncoplastic Breast-Conserving Surgery

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Trevan Fischer, MD, FACS

Age-related next-generation sequencing mutational analysis in 1196 melanomas

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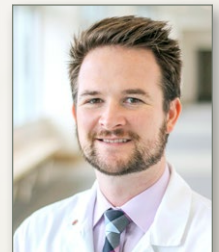
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Am J Surg. 2023 Jan;225(1):212-219. doi: 10.1016/j.amjsurg.2022.07.026. PMID: 36058752

Smoking status and survival in patients with early-stage primary cutaneous melanoma

Jackson KM, Jones PC, Fluke LM, Fischer TD, Thompson JF, Cochran AJ, Stern AL, Faries M, Hoon DSB, Foshag LJ.
JAMA. In press, 2023.



Leland Foshag, MD, FACS

Early-stage CCNG1+ HR+ HER2+ Invasive Breast Carcinoma in Older Women: Current Treatment and Future Perspectives for DeltaRex-G, a CCNG1 Inhibitor

<https://pubmed.ncbi.nlm.nih.gov/37247916/>

SP Chawla, O Olevsky, G Lyengar, DA Brigham, N Omelchenko, S Thomas, K Suryamohan, L Foshag, FL Hall, EM Gordon.
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Evolving management of early-stage pancreatic adenocarcinoma in older patients

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Melanie Goldfarb, MD, MSc, FACS, FACE

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Is There an Age Threshold for Active Surveillance in Highly Suspicious Subcentimeter Thyroid Nodules?

<https://pubmed.ncbi.nlm.nih.gov/37233953/>

Young S, Goldfarb M.
Ann Surg Oncol. 2023 Sep;30(9):5318-5319. doi: 10.1245/s10434-023-13682-2. Epub 2023 May 26. PMID: 37233953

Age-related next-generation sequencing mutational analysis in 1196 melanomas

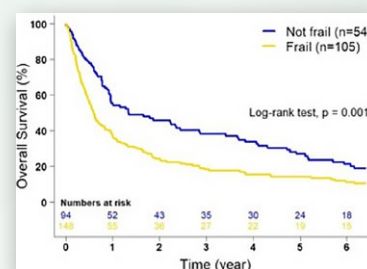
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J Surg Oncol. 2023 Jun;127(7):1187-1195. doi: 10.1002/jso.27239. Epub 2023 Mar 20. PMID: 36938777

Validating biologic age in selecting elderly patients with pancreatic cancer for surgical resection

<https://pubmed.ncbi.nlm.nih.gov/36321409/>

Scholer AJ, Marcus R, Garland-Kledzik M, Chang SC, Khader A, Santamaria-Barria J, Jutric Z, Wolf R, Goldfarb M.J
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Ora Gordon, MD

Participation in genetic screening: testing different outreach methods across a diverse hospital system-based patient population

<https://pubmed.ncbi.nlm.nih.gov/37900185/>

L Dickey, B Gronowski, K Jones, JB Rinaldi, K Emery, J Clemens, O Gordon, K Vartanian
Front Genet. 2023 Oct 12;14:1272931.
doi: 10.3389/fgene.2023.1272931. eCollection 2023. PMID: 37900185 PMCID: PMC10602775

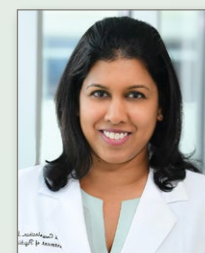


Shanthi Gowrinathan, MD

Patient Perception of Education, Care Coordination, and Psychological Distress After Developing Facial Paralysis: A Qualitative Study

<https://pubmed.ncbi.nlm.nih.gov/37079310/>

Kenton NR, Estafanous M, Itamura K, Filus A, Gowrinathan S, Martin NA, Sivakumar W, Barkhoudarian G, Byrne PJ, Kochhar A.
JAMA Otolaryngol Head Neck Surg. 2023 Jun 1;149(6):485-492. doi: 10.1001/jamaoto.2023.0371. PMID: 37079310



Psychedelic-Assisted Therapy and Psychedelic Science: A Review and Perspective on Opportunities in Neurosurgery and Neuro-Oncology

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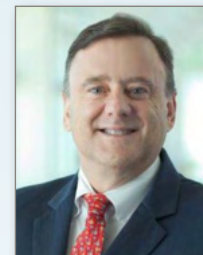
D Kelly, K Heinzerling, A Sharma, S Gowrinathan, K Sergi, RJ Mallari
Observational Study JAMA Otolaryngol Head Neck Surg. 2023 Jun 1;149(6):485-492.
doi: 10.1001/jamaoto.2023.0371. PMID: 36512813. PMCID: PMC9988324

Chester Griffiths, MD

Response to OKN-007 and NAC in a Patient with Unilateral Hearing Loss and Chronic Tinnitus from Vestibular Schwannoma

<https://pubmed.ncbi.nlm.nih.gov/38050883/>

Kesari S, Liu A, Gill JM, Nguyen M, Truong J, Nersesian R, Chacon E, Sharma A, Wagle N, Griffiths C, Frazer G, Zats M, Kang S, West MB, Kopke RD, Juarez T.
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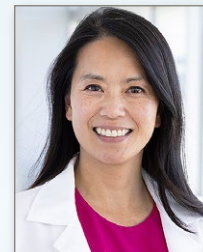


Janie Grumley, MD, FACS

Simultaneous Symmetry Procedure in Patients Undergoing Oncoplastic Breast-Conserving Surgery: An Evaluation of Patient Desire and Revision Rates

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Millen JC, Jackson KM, Stern SL, Orozco JIJ, Fancher CE, Grumley J.
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A Look at the Other Side: High-Risk Lesions and Occult Contralateral Malignancy in Symmetry Procedures for Patients Undergoing Oncoplastic Breast-Conserving Surgery

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Tiffany Grunwald, MD

Posterior cervical congenital dermal sinus tract: case report and review of literature

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Jian Guan, MD

Enhanced recovery after brain tumor surgery: pilot protocol implementation in a large healthcare system

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Dave S.B. Hoon, Ph.D., Director, SJCI Translational Research

Smoking status and survival in patients with early-stage primary cutaneous melanoma

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NGS Analysis of Plasma cfDNA and cfmiRNA Signatures in Melanoma Brain Metastasis Patients

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A heterodimer of α and β hemoglobin chains functions as an innate anticancer agent

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Heterogeneity in the Metastatic Microenvironment: JunB-Expressing Microglia Cells as Potential Drivers of Melanoma Brain Metastasis Progression

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Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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S Kesari, N Wagle, JA Carrillo, A Sharma, M Nguyen, J Truong, JM Gill, R Nersesian, N Nomura, E Rahbarlayegh, G Barkhoudarian, W Sivakumar, DF Kelly, H Krauss, MA Bustos, D Hoon, L Anker, A Singh, K Sankhala, TM Juarez

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The Vicious Cycle of Melanoma-Microglia Crosstalk: Inter-Melanoma Variations in the Brain-Metastasis-Promoting IL-6/JAK/STAT3 Signaling Pathway

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Inhibition of Microsomal Prostaglandin E2 Synthase Reduces Collagen Deposition in Melanoma Tumors and May Improve Immunotherapy Efficacy by Reducing T-cell Exhaustion

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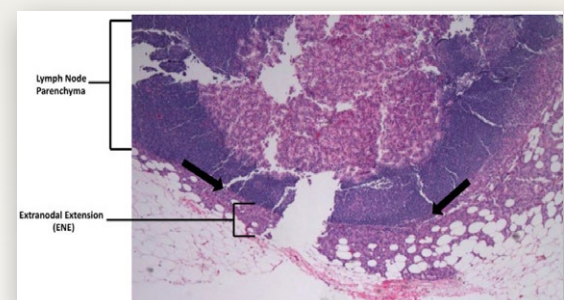
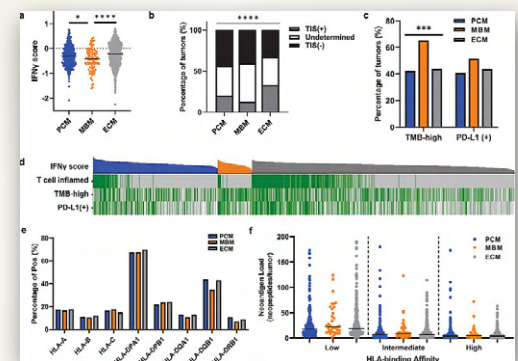
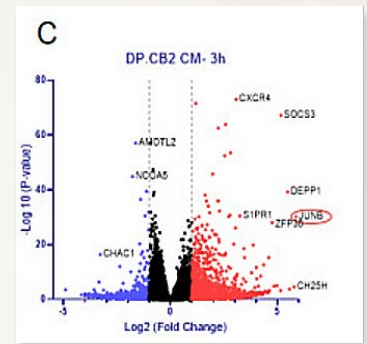
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Characterization of Lymph Node Tumor Burden in Node-Positive Prostate Cancer Patients after Robotic-Assisted Radical Prostatectomy with Extended Pelvic Lymph Node Dissection

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Evidence-based procedures to improve the reliability of circulating miRNA biomarker assays

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Scott Kaiser, MD

Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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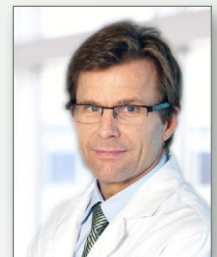
Daniel Kelly, MD

Nature-themed video intervention may improve cardiovascular safety of psilocybin-assisted therapy for alcohol use disorder

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A prospective multi-center observational study of surgical versus non-surgical management for pituitary apoplexy

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Single-Dose Psilocybin Treatment for Major Depressive Disorder: A Randomized Clinical Trial

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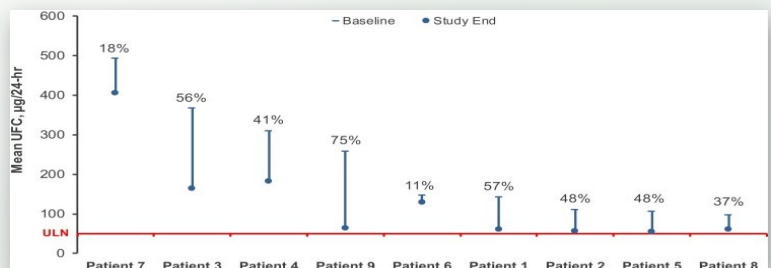
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Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden.

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Meysami S, Raji CA, Glatt RM, Popa ES, Ganapathi AS, Bookheimer T, Slyapich CB, Pierce KP, Richards CJ, Lampa MG, Gill JM, Rapozo MK, Hodes JF, Tongson YM, Wong CL, Kim M, Porter VR, Kaiser SA, Panos SE, Dye RV, Miller KJ, Bookheimer SY, Martin NA, Kesari S, Kelly DE, Bramen JE, Siddarth P, Merrill DA.

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Psychedelic-Assisted Therapy and Psychedelic Science: A Review and Perspective on Opportunities in Neurosurgery and Neuro-Oncology

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Enhanced recovery after brain tumor surgery: pilot protocol implementation in a large healthcare system

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Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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Santosh Kesari, MD, Ph.D.

Response to OKN-007 and NAC in a Patient with Unilateral Hearing Loss and Chronic Tinnitus from Vestibular Schwannoma

<https://pubmed.ncbi.nlm.nih.gov/38050883/>

Kesari S, Liu A, Gill JM, Nguyen M, Truong J, Nersesian R, Chacon E, Sharma A, Wagle N, Griffiths C, Frazer G, Zats M, Kang S, West MB, Kopke RD, Juarez T.
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Advancing personalized medicine in brain cancer: exploring the role of mRNA vaccines

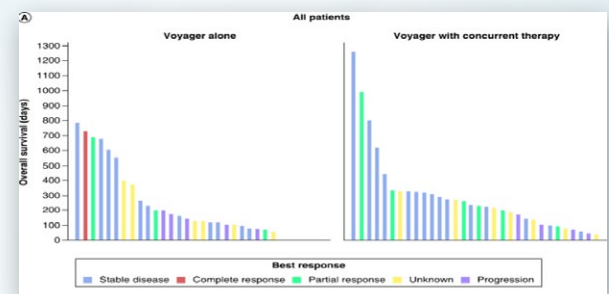
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Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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Association of Autologous Tumor Lysate-Loaded Dendritic Cell Vaccination with Extension of Survival Among Patients With Newly Diagnosed and Recurrent Glioblastoma: A Phase 3 Prospective Externally Controlled Cohort Trial

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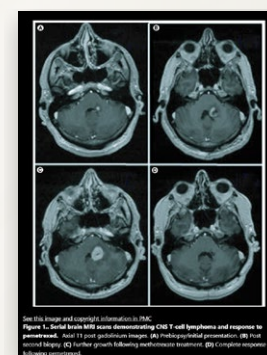
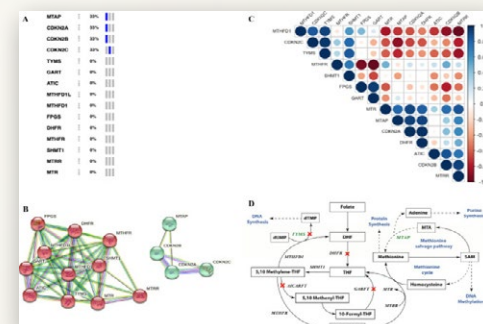
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Amit Kochhar, MD

Patient Perception of Education, Care Coordination, and Psychological Distress After Developing Facial Paralysis: A Qualitative Study

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Minimally Invasive Techniques for Facial Rejuvenation Utilizing Polydioxanone Threads

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David Krasne, MD

Diagnostic miRNA Signatures in Paired Tumor, Plasma, and Urine Specimens from Renal Cell Carcinoma Patients

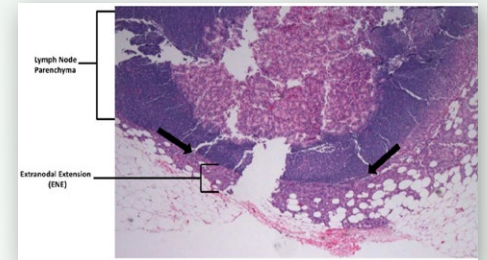
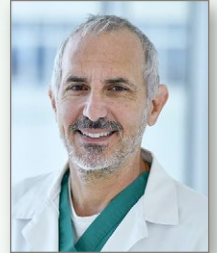
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Characterization of Lymph Node Tumor Burden in Node-Positive Prostate Cancer Patients after Robotic-Assisted Radical Prostatectomy with Extended Pelvic Lymph Node Dissection

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Howard Krauss, MD

Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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Jean-Philippe Langevin, MD

Enhanced recovery after brain tumor surgery: pilot protocol implementation in a large healthcare system

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Jennifer Linehan, MD

Advances in chemoablation in upper tract urothelial carcinoma: overview of indications and treatment patterns

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Corrigendum to "Route of Administration for UGN-101 and Impact on Oncological and Safety Outcomes" [Eur. Urol. Focus (2023)]

<https://pubmed.ncbi.nlm.nih.gov/37640582/>

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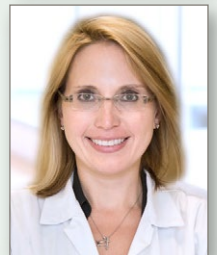
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Diagnostic miRNA Signatures in Paired Tumor, Plasma, and Urine Specimens from Renal Cell Carcinoma Patients

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Efficacy and Safety of Mitomycin Gel (UGN-101) as an Adjuvant Therapy After Complete Endoscopic Management of Upper Tract Urothelial Carcinoma

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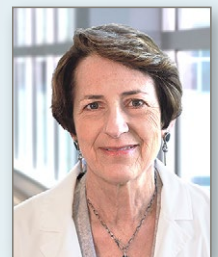
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Kim Margolin, MD, FACP, FASCO

Multi-omic profiling reveals discrepant immunogenic properties and a unique tumor microenvironment among melanoma brain metastases

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The Dance Between Tumor Molecular Biology and Antitumor Immune Response

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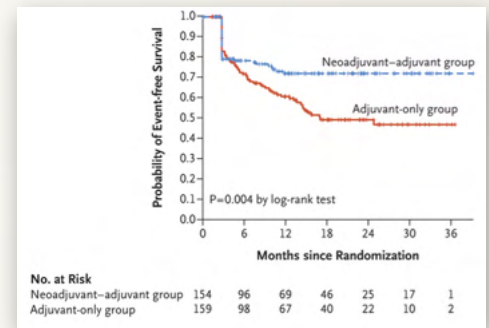
Neoadjuvant-Adjuvant or Adjuvant-Only Pembrolizumab in Advanced Melanoma

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Ipilimumab with or without nivolumab in PD-1 or PD-L1 blockade refractory metastatic melanoma: a randomized phase 2 trial

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National Cancer Institute Collaborative Workshop on Shaping the Landscape of Brain Metastases Research: challenges and recommended priorities

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Neil Martin, MD

Arterial Bypass in the Treatment of Complex Middle Cerebral Artery Aneurysms: Lessons Learned from 40 Patients

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Proximal Internal Carotid Artery Occlusion and Extracranial-Intracranial Bypass for Treatment of Fusiform and Giant Internal Carotid Artery Aneurysms

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Patient Perception of Education, Care Coordination, and Psychological Distress After Developing Facial Paralysis: A Qualitative Study

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Enhanced recovery after brain tumor surgery: pilot protocol implementation in a large healthcare system

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Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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J Alzheimers Dis. 2023;91(3):999-1006. doi: 10.3233/JAD-220886. PMID: 36530088. PMCID: PMC9912728

David A Merrill, MD

Visceral and Subcutaneous Abdominal Fat Predict Brain Volume Loss at Midlife in 10,001 Individuals

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Impact of Eating a Carbohydrate-Restricted Diet on Cortical Atrophy in a Cross-Section of Amyloid Positive Patients with Alzheimer's Disease: A Small Sample Study

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Neuroinflammation: A Modifiable Pathway Linking Obesity, Alzheimer's disease, and Depression

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Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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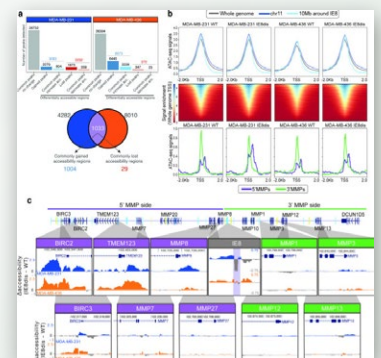
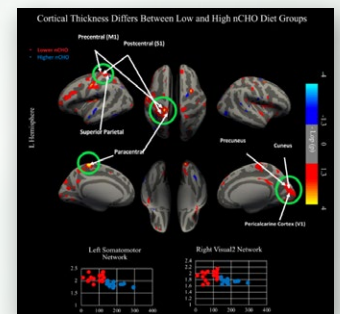
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Exercise-Related Physical Activity Relates to Brain Volumes in 10,125 Individuals

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Somayeh Meysami, MD

Visceral and Subcutaneous Abdominal Fat Predict Brain Volume Loss at Midlife in 10,001 Individuals

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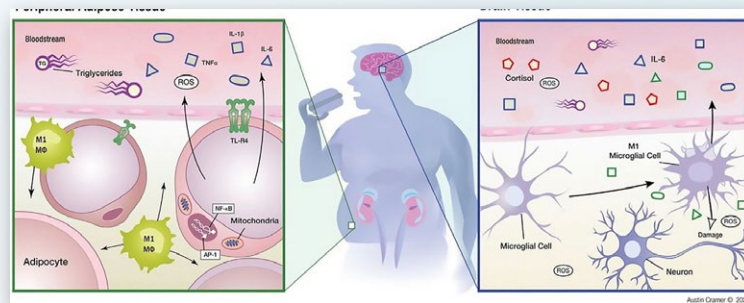


Neuroinflammation: A Modifiable Pathway Linking Obesity, Alzheimer's disease, and Depression

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Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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Meysami S, Raji CA, Glatt RM, Popa ES, Ganapathi AS, Bookheimer T, Slyapich CB, Pierce KP, Richards CJ, Lampa MG, Gill JM, Rapozo MK, Hodes JF, Tongson YM, Wong CL, Kim M, Porter VR, Kaiser SA, Panos SE, Dye RV, Miller KJ, Bookheimer SY, Martin NA, Kesari S, Kelly DE, Bramen JE, Siddarth P, Merrill DA.

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Exercise-Related Physical Activity Relates to Brain Volumes in 10,125 Individuals

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Sandra Narayanan, MD

Standalone middle meningeal artery embolization versus middle meningeal artery embolization with concurrent surgical evacuation for chronic subdural hematomas: a multicenter propensity score matched analysis of clinical and radiographic outcomes.

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General anesthesia vs procedural sedation for failed NeuroThrombectomy undergoing rescue stenting: intention to treat analysis

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Surgical management of metastatic Hürthle cell carcinoma to the skull base, cortex, and spine: illustrative case

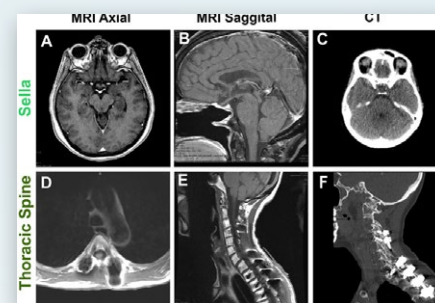
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Diagnostic Accuracy of Somatosensory Evoked Potentials and Electroencephalography During Endovascular Treatment of Unruptured Cerebral Aneurysms

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Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: Predictors of Clinical and Radiographic Failure from 636 Embolizations

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Salem MM, Kuybu O, Nguyen Hoang A, Baig AA, Khorasanizadeh M, Baker C, Hunsaker JC, Mendez AA, Cortez G, Davies JM, Narayanan S, Cawley CM, Riina HA, Moore JM, Spiotta AM, Khalessi AA, Howard BM, Hanel R, Tanweer O, Levy EI, Grandhi R, Lang MJ, Siddiqui AH, Kan P, Ogilvy CS, Gross BA, Thomas AJ, Jankowitz BT, Burkhardt JK. Radiology. 2023 May;307(4):e222045. doi: 10.1148/radiol.222045. PMID: 37070990. PMCID: PMC10323293

Middle meningeal artery embolization as a perioperative adjunct to surgical evacuation of nonacute subdural hematomas: An multicenter analysis of safety and efficacy

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Society of NeuroInterventional Surgery: position statement on pregnancy and parental leave for physicians practicing neurointerventional surgery

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Javier Orozco, MD

Simultaneous Symmetry Procedure in Patients Undergoing Oncoplastic Breast-Conserving Surgery: An Evaluation of Patient Desire and Revision Rates

<https://pubmed.ncbi.nlm.nih.gov/37537484/>

Millen JC, Jackson KM, Stern SL, Orozco JIJ, Fancher CE, Grumley J. Ann Surg Oncol. 2023 Oct;30(10):6135-6139. doi: 10.1245/s10434-023-13893-7. PMID: 37537484

3-D chromatin conformation, accessibility, and gene expression profiling of triple-negative breast cancer

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A Look at the Other Side: High-Risk Lesions and Occult Contralateral Malignancy in Symmetry Procedures for Patients Undergoing Oncoplastic Breast-Conserving Surgery

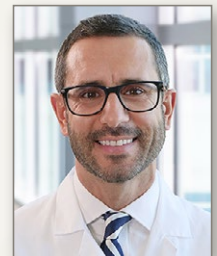
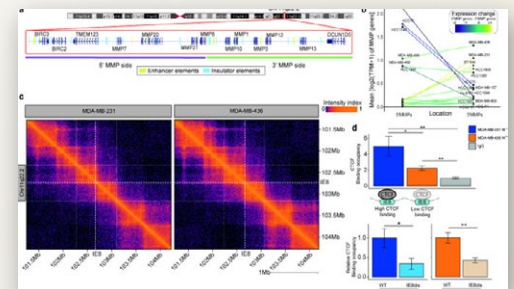
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Chromatin insulation orchestrates matrix metalloproteinase gene cluster expression reprogramming in aggressive breast cancer tumors

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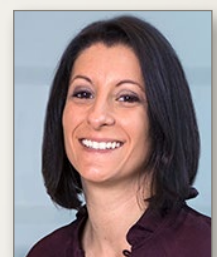


Stella Panos, Ph.D.

Preliminary validation of a structural magnetic resonance imaging metric for tracking dementia-related neurodegeneration and future decline

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Impact of Eating a Carbohydrate-Restricted Diet on Cortical Atrophy in a Cross-Section of Amyloid Positive Patients with Alzheimer's Disease: A Small Sample Study

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Handgrip Strength Is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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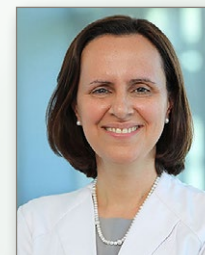
Parvin Peddi, MD

AMEERA-3: Randomized Phase II Study of Amcenestrant (Oral Selective Estrogen Receptor Degradar) Versus Standard Endocrine Monotherapy in Estrogen Receptor-Positive, Human Epidermal Growth Factor Receptor 2-Negative Advanced Breast Cancer

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Verna Porter, MD

Impact of Eating a Carbohydrate-Restricted Diet on Cortical Atrophy in a Cross-Section of Amyloid Positive Patients with Alzheimer's Disease: A Small Sample Study

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Bramen JE, Siddarth P, Popa ES, Kress GT, Rapozo MK, Hodes JF, Ganapathi AS, Slyapich CB, Glatt RM, Pierce K, Porter VR, Wong C, Kim M, Dye RV, Panos S, Bookheimer T, Togashi T, Loong S, Raji CA, Bookheimer SY, Roach JC, Merrill DA.

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Marlon Saria, MD

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Nicholas J. Schork, MD

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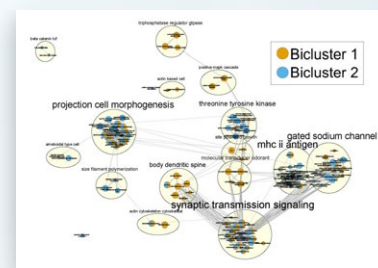
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Akanksha Sharma, MD

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Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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S Kesari, N Wagle, JA Carrillo, A Sharma, M Nguyen, J Truong, JM Gill, R Nersesian, N Nomura, E Rahbarlayegh, G Barkhoudarian, W Sivakumar, DF Kelly, H Krauss, MA Bustos, D Hoon, L Anker, A Singh, K Sankhala, TM Juarez

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Response to OKN-007 and NAC in a Patient with Unilateral Hearing Loss and Chronic Tinnitus from Vestibular Schwannoma

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Kesari S, Liu A, Gill JM, Nguyen M, Truong J, Nersesian R, Chacon E, Sharma A, Wagle N, Griffiths C, Frazer G, Zats M, Kang S, West MB, Kopke RD, Juarez T.

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Clinical Outcomes of Stereotactic Radiosurgery-Related Radiation Necrosis in Patients with Intracranial Metastasis from Melanoma

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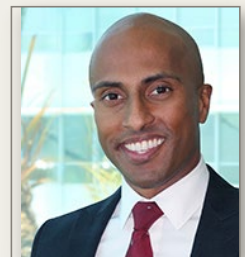
Walavan Sivakumar, MD

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Patient Perception of Education, Care Coordination, and Psychological Distress After Developing Facial Paralysis: A Qualitative Study

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Yuki Takasumi, MD

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Przemyslaw Twardowski, MD

Mechanism-Driven and Clinically Focused Development of Botanical Foods as Multitarget Anticancer Medicine: Collective Perspectives and Insights from Preclinical Studies, IND Applications and Early-Phase Clinical Trials

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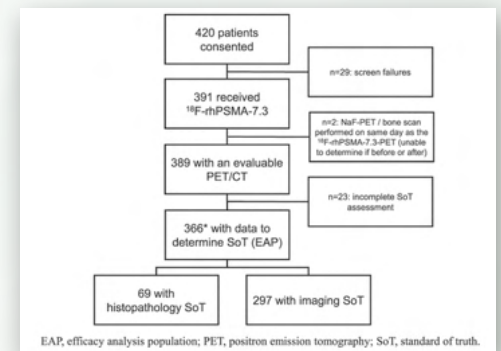
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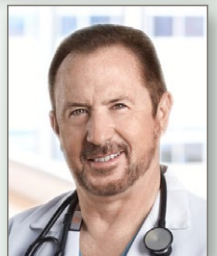
Steven A. Vasilev, MD, FACOG, FACS, FACN, ABIHM, ABOIM

MiR-181a targets STING to drive PARP inhibitor resistance in BRCA- mutated triple-negative breast cancer and ovarian cancer

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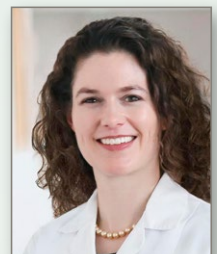
Courtney Voelker, MD, Ph.D.

Association between Cannabis Use and Tinnitus in US Adults

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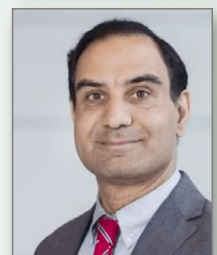
Naveed Wagle, MD

Response to OKN-007 and NAC in a Patient with Unilateral Hearing Loss and Chronic Tinnitus from Vestibular Schwannoma

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Kesari S, Liu A, Gill JM, Nguyen M, Truong J, Nersesian R, Chacon E, Sharma A, Wagle N, Griffiths C, Frazer G, Zats M, Kang S, West MB, Kopke RD, Juarez T.

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Pilot Study of High-Dose Pemetrexed in Patients with Progressive Chordoma

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S Kesari, N Wagle, JA Carrillo, A Sharma, M Nguyen, J Truong, JM Gill, R Nersesian, N Nomura, E Rahbarlayegh, G Barkhoudarian, W Sivakumar, DF Kelly, H Krauss, MA Bustos, D Hoon, L Anker, A Singh, K Sankhala, TM Juarez
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Evan Walgama, MD

Cost-effectiveness Analysis of Inferior Turbinate Reduction and Immunotherapy in Allergic Rhinitis

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Timothy Wilson, MD

Diagnostic miRNA Signatures in Paired Tumor, Plasma, and Urine Specimens from Renal Cell Carcinoma Patients

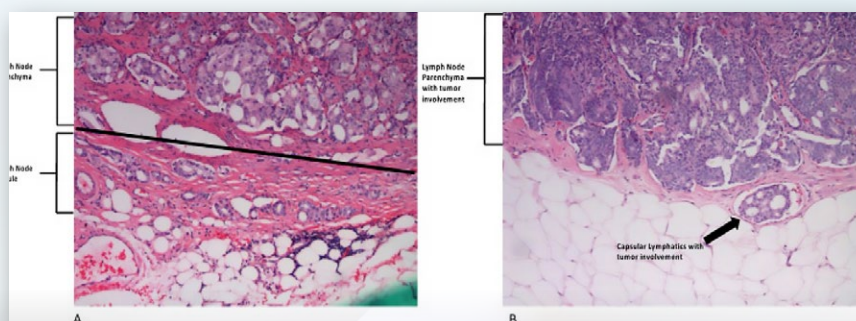
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Carrillo, Jose MD
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Margie Petersen Breast Center, Assistant Professor of Surgical
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Foshag, Leland MD, FACS
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Krauss, Howard MD
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Director Neuro-Spine Surgery, Spine Institute, PNI-South Bay; Neurosurgery
Translational Neurosciences

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Interim Executive Director of Saint John's Cancer Institute

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Meysami, Somayeh MD
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Narayanan, Sandra MD
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Centers of Excellence

Brain Tumors and Neurosciences
Breast Surgery and Oncology
Endocrine Tumors and Disorders
Gastrointestinal and Hepatobiliary Tumors
Head & Neck Oncology
Melanoma, Skin and Soft Tissue Tumors
Minimally Invasive Chest and Thoracic Surgical Oncology
Translational Research
Urology and Urologic Oncology

About Saint John's Cancer Institute

Saint John's Cancer Institute (SJCI) is renowned for advancing therapeutics, translational science, and establishing standards of care since 1991. We foster robust fellowship programs, implement and initiate clinical trials, and collaborate with academic and industry partners worldwide. SJCI established the Sentinel Lymph Node Biopsy technique under the late Dr. Donald L. Morton, which has become the standard care for melanoma and breast cancer.

Today, our patients continue to have access to innovative treatments, therapeutics, and clinical trials. We are at the forefront of understanding the biology and genetics of cancer while expanding access to treatment for under-served communities through the Saint John's Health Center, Saint John's Health Center Foundation, and our partners.

www.saintjohnscancer.org

About Pacific Neuroscience Institute

The Pacific Neuroscience Institute (PNI) provides state-of-the-art care with a focus on minimally invasive surgical and interventional techniques, as well as novel targeted therapies that aim to restore and maintain quality of life. In collaboration with the Saint John's Cancer Institute,

PNI is focused on translational research and clinical trials as well as fellowship education and continuing medical education. Our physicians work side by side with our scientists to formulate real-time, personalized treatments and therapies for our patients, ensuring they receive the highest and most advanced level of care.

www.pacificneuroscienceinstitute.org