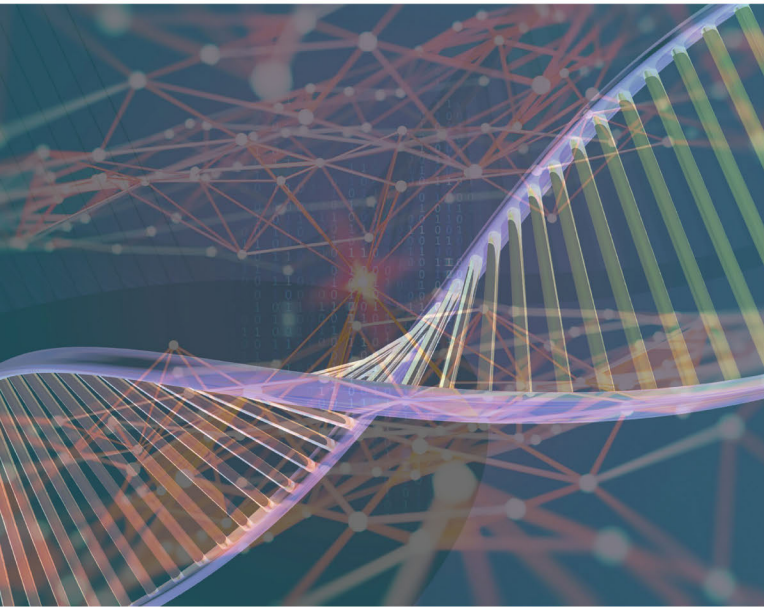


Saint John's Cancer Institute *Research Spotlight* **2022**



Faculty Publications

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

Maria Ascierto, Ph.D.

Next Generation Immuno-Oncology Strategies: Unleashing NK Cells Activity

<https://pubmed.ncbi.nlm.nih.gov/36231109/>

Mendoza-Valderrey A, Alvarez M, De Maria A, Margolin K, Melero I, Ascierto ML. Cells. 2022 Oct 6;11(19):3147. doi: 10.3390/cells11193147. PMID: 36231109



Garni Barkhoudarian, MD

Diagnostic Pitfalls in Cushing Disease: Surgical Remission Rates, Test Thresholds, and Lessons Learned in 105 Patients

<https://pubmed.ncbi.nlm.nih.gov/34478542/>

Regin Jay Mallari, Jai Deep Thakur, Garni Barkhoudarian, Amy Eisenberg, Amanda Rodriguez, Sarah Rettinger, Pejman Cohan, Lynnette Nieman, Daniel F Kelly
J Clin Endocrinol Metab. 2022 Jan 1.
PMID: 34478542 PMCID: PMC8684536 DOI: 10.1210/clinem/dgab659



Cell-free plasma microRNAs that identify patients with glioblastoma

<https://pubmed.ncbi.nlm.nih.gov/35013528/>

Matias A Bustos, Negin Rahimzadeh, Suyeon Ryu, Rebecca Gross, Linh T Tran, Victor M Renteria-Lopez, Romela I Ramos, Amy Eisenberg, Parvinder Hothi, Santosh Kesari, Garni Barkhoudarian, Yuki Takasumi, Charles Cobbs, Daniel F Kelly, Dave S B Hoon
Lab Invest. 2022 Jul. DOI: 10.1038/s41374-021-00720-4
PMID: 35013528

Treatment of Cushing's Disease with Pituitary-Targeting Seliciclib

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

Ning Ai Liu 1, Anat Ben-Shlomo 1, John D Carmichael, Christina Wang, Ronald S Swerdloff 3, Anthony P Heaney, Garni Barkhoudarian, Daniel Kelly, Mazen Nouredin, Lin Lu, Manish Desai, Yana Stolyarov, Kevin Yuen, Adam N Mamelak, James Mirocha, Mourad Tighiouart, Shlomo Melmed
J Clin Endocrinol Metab. 2022 Oct 10.
PMID: 36214832 DOI: 10.1210/clinem/dgac588

Minimally invasive pericranial flap harvest through a supraorbital eyebrow craniotomy: Technical note in salvage skull base reconstruction

<https://pubmed.ncbi.nlm.nih.gov/35533452/>

Olson MG, Avery MB, Javaherian S, Sivakumar W, Kelly DF, Griffiths C, Barkhoudarian G.
Clin Neurol Neurosurg. 2022 Jun;217:107266. doi: 10.1016/j.clineuro.2022.107266.
PMID: 35533452

The RAPID Consortium: A Platform for Clinical and Translational Pituitary Tumor Research

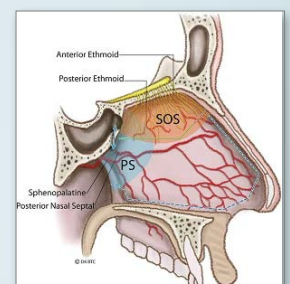
<https://www.thieme-connect.com/products/ejournals/abstract/10.1055/a-1978-9380>

Michael Karsy, Varun Kshetry, Paul Gardner, Michael Chicoine, Juan C. Fernandez-Miranda, James J Evans, Garni Barkhoudarian, Douglas Hardesty, Won Kim, Gabriel Zada, Tomiko Crocker, Ildiko Torok, Andrew Little
J Neurol Surg B Skull Base.
DOI: 10.1055/a-1978-9380

Skull Base Reconstruction

https://link.springer.com/chapter/10.1007/978-3-030-99321-4_10

Garni Barkhoudarian, Michael B. Avery & Daniel F. Kelly
SpringerLink. July 2022.
DOI: 10.1007/978-3-030-99321-4_10



Endoscopic Endonasal Approaches

https://link.springer.com/chapter/10.1007/978-3-030-99321-4_15

Michael B. Avery, Garni Barkhoudarian, Chester Griffiths & Daniel F. Kelly

SpringerLink. July 2022.

DOI: 10.1007/978-3-030-99321-4_15

Critical appraisal of minimally invasive keyhole surgery for intracranial meningioma in a large case series

<https://pubmed.ncbi.nlm.nih.gov/35901061/>

Jai Deep Thakur, Regin Jay Mallari, Alex Corlin, Samantha Yawitz, Amalia Eisenberg, John Rhee, Walavan Sivakumar, Howard Krauss, Neil Martin, Chester Griffiths, Garni Barkhoudarian, Daniel F Kelly

PLoS One. 2022 Jul 28. DOI: 10.1371/journal.pone.0264053

PMID: 35901061

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

Prognostic indicators for undifferentiated carcinoma with/without osteoclast-like giant cells of the pancreas.

<https://pubmed.ncbi.nlm.nih.gov/35780038/>

Christopher W, Nassoiy S, Marcus R, Keller J, Chang SC, Fischer T, Bilchik A, Goldfarb M.

HPB (Oxford). 2022 Oct;24(10):1757-1769. doi: 10.1016/j.hpb.2022.05.1344. Epub 2022 Jun 17.

PMID: 35780038

Current status of gastrointestinal tract cancer brain metastasis and the use of blood-based cancer biomarker biopsy.

<https://pubmed.ncbi.nlm.nih.gov/33950411/>

Shoji Y, Furuhashi S, Kelly DE, Bilchik AJ, Hoon DSB, Bustos MA.

Clin Exp Metastasis. 2022 Feb;39(1):61-69. doi: 10.1007/s10585-021-10094-y. Epub 2021 May 5.

PMID: 33950411



Jennifer Bramen, Ph.D.

Differentiation of Subjective Cognitive Decline, Mild Cognitive Impairment, and Dementia Using qEEG/ERP-Based Cognitive Testing and Volumetric MRI in an Outpatient Specialty Memory Clinic.

<https://pubmed.ncbi.nlm.nih.gov/36373320/>

Ganapathi AS, Glatt RM, Bookheimer TH, Popa ES, Ingemanson ML, Richards CJ, Hodes JF, Pierce KP, Slyapich CB, Iqbal F, Mattinson J, Lampa MG, Gill JM, Tongson YM, Wong CL, Kim M, Porter VR, Kesari S, Meysami S, Miller KJ, Bramen JE, Merrill DA, Siddarth P.

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Dense data enables 21st century clinical trials.

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Roach JC, Hodes JF, Funk CC, Shankle WR, Merrill DA, Hood L, Bramen J.

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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. 2022 Dec 14. doi: 10.3233/JAD-220886

PMID: 36530088



Matias Bustos, Ph.D.

Genomic Amplification of UBQLN4 Is a Prognostic and Treatment Resistance Factor.

<https://pubmed.ncbi.nlm.nih.gov/36291176/>

Kobayashi Y, Bustos MA, Shoji Y, Jachimowicz RD, Shiloh Y, Hoon DSB.

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DNA methylome combined with chromosome cluster-oriented analysis provides an early signature for cutaneous melanoma aggressiveness.

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Carrier A, Desjobert C, Ponger L, Lamant L, Bustos M, Torres-Ferreira J, Henrique R, Jeronimo C, Lanfrancone L, Delmas A, Favre G, Daunay A, Busato F, Hoon DSB, Tost J, Etievant C, Riond J, Arimondo PB.
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Hypoxia induces HIF1 α -dependent epigenetic vulnerability in triple negative breast cancer to confer immune effector dysfunction and resistance to anti-PD-1 immunotherapy.

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Ma S, Zhao Y, Lee WC, Ong LT, Lee PL, Jiang Z, Oguz G, Niu Z, Liu M, Goh JY, Wang W, Bustos MA, Ehmsen S, Ramasamy A, Hoon DSB, Ditzel HJ, Tan EY, Chen Q, Yu Q.
Nat Commun. 2022 Jul 15;13(1):4118. doi: 10.1038/s41467-022-31764-9.
PMID: 35840558

UBQLN4 promotes STING proteasomal degradation during cisplatin-induced DNA damage in triple-negative breast cancer.

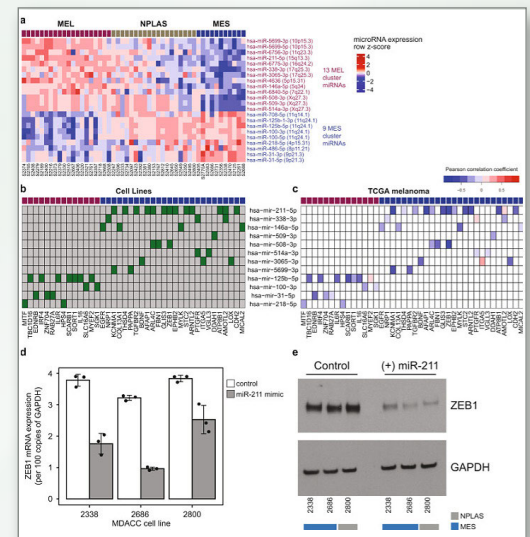
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Shoji Y, Yokoe T, Kobayashi Y, Murakami T, Bostick PJ, Shiloh Y, Hoon DSB, Bustos MA. Clin Transl Med. 2022 Jul;12(7):e985. doi: 10.1002/ctm2.985.
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Multi-modal molecular programs regulate melanoma cell state.

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Urine Cell-Free MicroRNAs in Localized Prostate Cancer Patients.

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Koh Y, Bustos MA, Moon J, Gross R, Ramos RI, Ryu S, Choe J, Lin SY, Allen WM, Krasne DL, Wilson TG, Hoon DSB.
Cancers (Basel). 2022 May 12;14(10):2388. doi: 10.3390/cancers14102388.
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Recent Developments of Circulating Tumor Cell Analysis for Monitoring Cutaneous Melanoma Patients.

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PMID: 35205608

Genomic Correlates of Outcome in Tumor-Infiltrating Lymphocyte Therapy for Metastatic Melanoma.

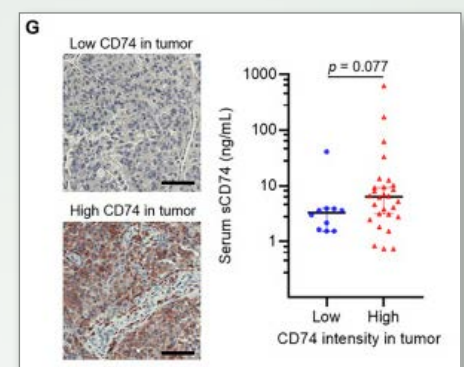
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Clin Cancer Res. 2022 May 2;28(9):1911-1924. doi: 10.1158/1078-0432.CCR-21-1060.
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Interplay between soluble CD74 and macrophage-migration inhibitory factor drives tumor growth and influences patient survival in melanoma.

<https://pubmed.ncbi.nlm.nih.gov/35121729/>

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Prognostic Utility of CpG Island Hypermethylated Phenotype in Early-Stage Invasive Primary Melanomas.

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PMID: 35031134

Cell-free plasma microRNAs that identify patients with glioblastoma.

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Bustos MA, Rahimzadeh N, Ryu S, Gross R, Tran LT, Renteria-Lopez VM, Ramos RI, Eisenberg A,

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Lab Invest. 2022 Jul;102(7):711-721. doi: 10.1038/s41374-021-00720-4. Epub 2022 Jan 10.

PMID: 35013528

Current status of gastrointestinal tract cancer brain metastasis and the use of blood-based cancer biomarker biopsy.

<https://pubmed.ncbi.nlm.nih.gov/33950411/>

Shoji Y, Furuhashi S, Kelly DF, Bilchik AJ, Hoon DSB, Bustos MA.

Clin Exp Metastasis. 2022 Feb;39(1):61-69. doi: 10.1007/s10585-021-10094-y. Epub 2021 May 5.

PMID: 33950411

Jose Carrillo, MD

Phase 2 study of AV-GBM-1 (a tumor-initiating cell targeted dendritic cell vaccine) in newly diagnosed Glioblastoma patients: safety and efficacy assessment.

<https://pubmed.ncbi.nlm.nih.gov/36517865/>

Bota DA, Taylor TH, Piccioni DE, Duma CM, LaRocca RV, Kesari S, Carrillo JA, Abedi M, Aiken RD, Hsu

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Germline biomarkers predict toxicity to anti-PD1/PDL1 checkpoint therapy.

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Richard Essner, MD, FACS

Treatment Utilization and Outcomes for Locally Advanced Rectal Cancer in Older Patients

<https://pubmed.ncbi.nlm.nih.gov/36169964/>

Nassoïy S, Christopher W, Marcus R, Keller J, Weiss J, Chang SC, Foshag L, Essner R,

Fischer T, Goldfarb M.

JAMA Surg. 2022 Nov 1;157(11):e224456. doi: 10.1001/jamasurg.2022.4456. Epub 2022 Nov 9.

PMID: 36169964



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. 2022 Aug 19:S0002-9610(22)00494-9. doi: 10.1016/j.amjsurg.2022.07.026.

PMID: 36058752

Predicting Regional Lymph Node Recurrence in the Modern Age of Tumor-Positive Sentinel Node Melanoma: The Role of the First Postoperative Ultrasound

<https://pubmed.ncbi.nlm.nih.gov/35989390/>

Keller J, Stern S, Chang SC, Marcus R, Weiss J, Nassoïy S, Christopher W, Fischer T, Essner R.

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PMID: 35989390

Four Immune Modulating Genes in Primary Melanoma That Predict Metastatic Potential

<https://pubmed.ncbi.nlm.nih.gov/35940046/>

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Crystal Fancher, MD

Impact of Locoregional Treatment on Survival in Young Patients with Early-Stage Breast Cancer undergoing Upfront Surgery.

<https://pubmed.ncbi.nlm.nih.gov/35896922/>

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Trevan Fischer, MD

Predicting Regional Lymph Node Recurrence in the Modern Age of Tumor-Positive Sentinel Node Melanoma: The role of resection for melanoma metastases to the pancreas

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Guerra F, Coletta D, Deutsch GB, Giuliani G, Patruti A, Fischer TD, Coratti A; Collaborators.

HPB (Oxford). 2022 Sep 5:S1365-182X(22)01566-0. doi: 10.1016/j.hpb.2022.08.012.

PMID: 36167766

Does Residual Invasive Disease in Wide Local Excision after diagnosis with Partial Biopsy Technique Influence Survival in Melanoma? Matched-Pair Analysis of Multicenter Selective Lymphadenectomy Trial I and II

<https://pubmed.ncbi.nlm.nih.gov/35703962/>

Ramiscal JAB, Stern SL, Wilson AK, Lorimer PD, Lee NA, Goldfarb MR, Foshag LJ, Fischer TD.

J Am Coll Surg. 2022 Jul 1;235(1):49-59. doi: 10.1097/XCS.000000000000263. Epub 2022 May 5.

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Treatment Utilization and Outcomes for Locally Advanced Rectal Cancer in Older Patients

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JAMA Surg. 2022 Nov 1;157(11):e224456. doi: 10.1001/jamasurg.2022.4456. Epub 2022 Nov 9.

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Nassoïy S, Christopher W, Marcus R, Keller J, Weiss J, Chang SC, Essner R, Foshag L, Fischer T, Goldfarb M.

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Establishing Novel Molecular Subtypes of Appendiceal Cancer.

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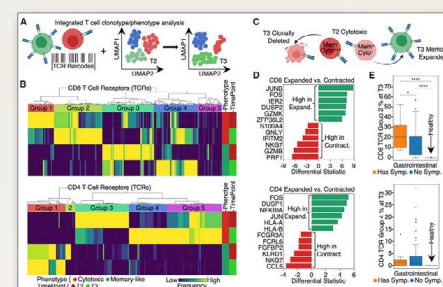
Multiple early factors anticipate post-acute COVID-19 sequelae

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Su Y, Yuan D, Chen DG, Ng RH, Wang K, Choi J, Li S, Hong S, Zhang R, Xie J, Kornilov SA, Scherler K, Pavlovitch-Bedzyk AJ, Dong S, Lausted C, Lee I, Fallen S, Dai CL, Baloni P, Smith B, Duvvuri VR, Anderson KG, Li J, Yang F, Duncombe CJ, McCulloch DJ, Rostomily C, Troisch P, Zhou J, Mackay S, DeGottardi Q, May DH, Taniguchi R, Gittelman RM, Klinger M, Snyder TM, Roper R, Wojciechowska G, Murray K, Edmark R, Evans S, Jones L, Zhou Y, Rowen L, Liu R, Chour W, Algren HA, Berrington, WR, Wallick JA, Cochran RA, Micikas ME; ISB-Swedish COVID-19 Biobanking Unit, Wrinn T, Petropoulos CJ, Cole HR, Fischer TD, Wei W, Hoon DSB, Price ND, Subramanian N, Hill JA, Hadlock J, Magis AT, Ribas A, Lanier LL, Boyd SD, Bluestone JA, Chu H, Hood L, Gottardo R, Greenberg PD, Davis MM, Goldman JD, Heath JR.

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Epub 2022 Jan 25. PMID: 35216672



Leland Foshag, MD

Treatment Utilization and Outcomes for Locally Advanced Rectal Cancer in Older Patients

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Nassoïy S, Christopher W, Marcus R, Keller J, Weiss J, Chang SC, Foshag L, Essner R, Fischer T, Goldfarb M.
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Nassoïy S, Christopher W, Marcus R, Keller J, Weiss J, Chang SC, Essner R, Foshag L, Fischer T, Goldfarb M.
Am J Surg. 2022 Aug 19:S0002-9610(22)00494-9. doi: 10.1016/j.amjsurg.2022.07.026.
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Therapeutic Value of Sentinel Lymph Node Biopsy in Patients With Melanoma: A Randomized Clinical Trial.

<https://pubmed.ncbi.nlm.nih.gov/35921122/>

Multicenter Selective Lymphadenectomy Trials Study Group, Crystal JS, Thompson JF, Hyngstrom J, Caracò C, Zager JS, Jahkola T, Bowles TL, Pennacchioli E, Beitsch PD, Hoekstra HJ, Moncrieff M, Ingvar C, van Akkooi A, Sabel MS, Levine EA, Agnes, Henderson M, Dummer R, Neves RI, Rossi CR, Kane JM 3rd, Trocha S, Wright F, Byrd DR, Matter M, Hsueh EC, MacKenzie-Ross A, Kelley M, Terheyden P, Huston TL, Wayne JD, Neuman H, Smithers BM, Ariyan CE, Desai D, Gershenwald JE, Schneebaum S, Gesierich A, Jacobs LK, Lewis JM, McMasters KM, O'Donoghue C, van der Westhuizen A, Sardi A, Barth R, Barone R, McKinnon JG, Slingluff CL, Farma JM, Schultz E, Scheri RP, Vidal-Sicart S, Molina M, Testori AAE, Foshag LJ, Van Kreuningen L, Wang HJ, Sim MS, Scolyer RA, Elashoff DE, Cochran AJ, Faries MB.
JAMA Surg. 2022 Sep 1;157(9):835-842. doi: 10.1001/jamasurg.2022.2055.
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Does Residual Invasive Disease in Wide Local Excision after Diagnosis with Partial Biopsy Technique Influence Survival in Melanoma? Matched-Pair Analysis of Multicenter Selective Lymphadenectomy Trial I and II.

<https://pubmed.ncbi.nlm.nih.gov/35703962/>

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J Am Coll Surg. 2022 Jul 1;235(1):49-59. doi: 10.1097/XCS.0000000000000263. Epub 2022 May 5.
PMID: 35703962

Barbara Giesser, MD

Dalfampridine for mobility limitations in people with multiple sclerosis may be augmented by physical therapy: a non-randomized two-group proof-of-concept pilot study

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Plummer P, Markovic-Plese S, Giesser B.
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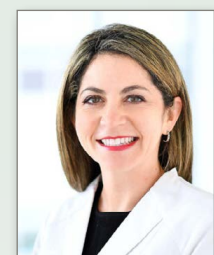


Melanie Goldfarb, MD, MSc, FACS, FACE

Disparities in the impact of the AJCC 8th edition staging system on differentiated thyroid cancer outcomes.

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Santamaria-Barria JA, Graff-Baker AN, Chang SC, Khader A, Scholer AJ, Garland-Kledzik M, Goldfarb M.
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Treatment Utilization and Outcomes for Locally Advanced Rectal Cancer in Older Patients.

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Nassoïy S, Christopher W, Marcus R, Keller J, Weiss J, Chang SC, Foshag L, Essner R, Fischer T, Goldfarb M.
JAMA Surg. 2022 Nov 1;157(11):e224456. doi: 10.1001/jamasurg.2022.4456. Epub 2022 Nov 9.
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Invited Commentary: Can Imaging Alone Predict the Number of Abnormal Parathyroid Glands in Primary Hyperparathyroidism?

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Goldfarb M, Christopher W.
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Prognostic indicators for undifferentiated carcinoma with/without osteoclast-like giant cells of the pancreas.

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Christopher W, Nassoiy S, Marcus R, Keller J, Chang SC, Fischer T, Bilchik A, Goldfarb M.
HPB (Oxford). 2022 Oct;24(10):1757-1769. doi: 10.1016/j.hpb.2022.05.1344. Epub 2022 Jun 17.
PMID: 35780038

Survivorship, Quality of Life, and Transition to Adult Care for Pediatric and Adolescent Thyroid Cancer Survivors.

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Goldfarb M, Franco AT.
Thyroid. 2022 Nov 4. doi: 10.1089/thy.2022.0407.
PMID: 36193568

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

<https://pubmed.ncbi.nlm.nih.gov/36530088/>

Somayeh Meysami, Cyrus A Raji, Ryan M Glatt, Emily S Popa, Aarthi S Ganapathi, Tess Bookheimer, Colby B Slyapich, Kyron P Pierce, Casey J Richards, Melanie G Lampa, Jaya M Gill, Molly K Rapozo, John F Hodes, Ynez M Tongson, Claudia L Wong, Mihae Kim, Verna R Porter, Scott A Kaiser, Stella E Panos, Richelin V Dye, Karen J Miller, Susan Y Bookheimer, Neil A Martin, Santosh Kesari, Daniel F Kelly, Jennifer E Bramen, Prabha Siddarth, David A Merrill
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Chester Griffiths, MD

Critical appraisal of minimally invasive keyhole surgery for intracranial meningioma in a large case series

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Endoscopic Endonasal Approaches

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Janie Grumley, MD, FACS

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

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Genomic Amplification of UBQLN4 Is a Prognostic and Treatment Resistance Factor.

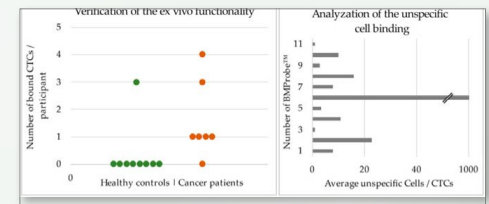
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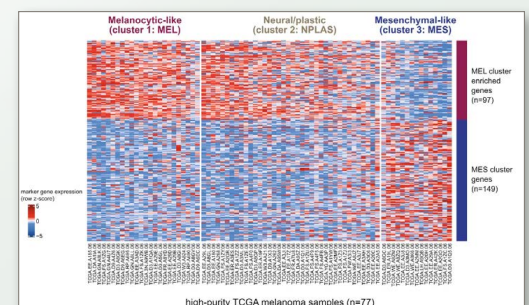
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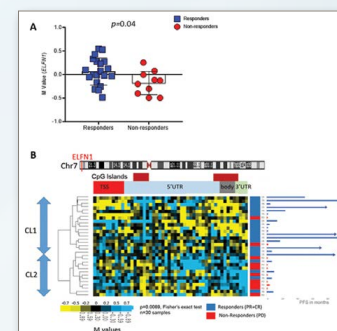
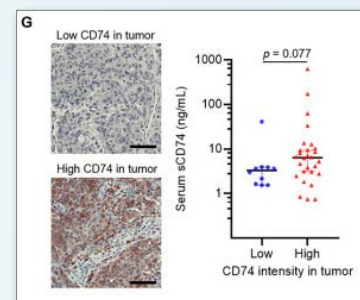
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Daniel Kelly, MD



Critical appraisal of minimally invasive keyhole surgery for intracranial meningioma in a large case series.

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Cell-free plasma microRNAs that identify patients with glioblastoma

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Skull Base Reconstruction

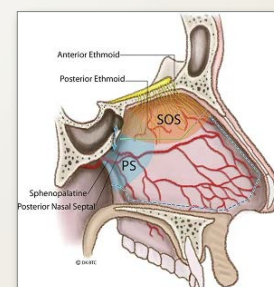
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Endoscopic Endonasal Approaches

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Current status of gastrointestinal tract cancer brain metastasis and the use of blood-based cancer biomarker biopsy.

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Diagnostic Pitfalls in Cushing Disease: Surgical Remission Rates, Test Thresholds, and Lessons Learned in 105 Patients

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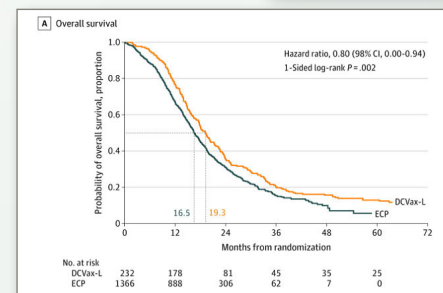
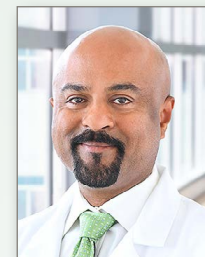
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Handgrip Strength is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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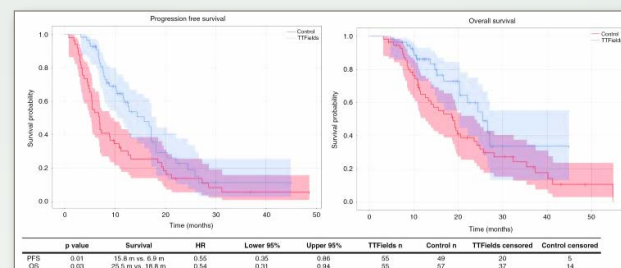
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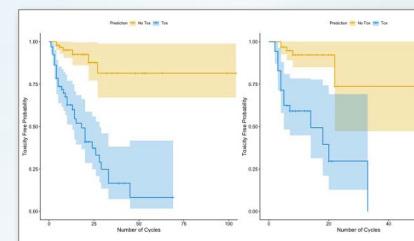
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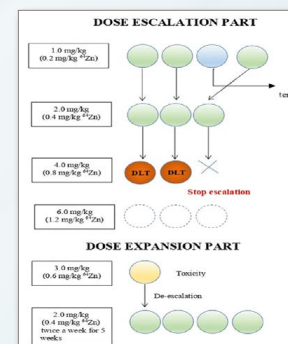
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Differentiation of Subjective Cognitive Decline, Mild Cognitive Impairment, and Dementia Using qEEG/ERP-Based Cognitive Testing and Volumetric MRI in an Outpatient Specialty Memory Clinic.

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Amit Kochhar, MD

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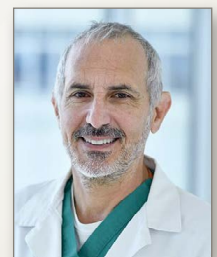


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Jennifer Linehan, MD

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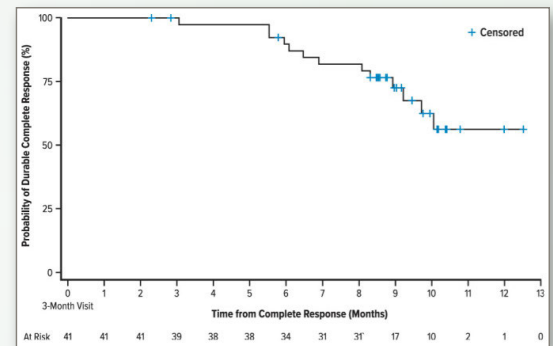
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Primary Chemoablation of Low-Grade Intermediate-Risk Nonmuscle-invasive Bladder Cancer Using UGN-102, a Mitomycin-Containing Reverse Thermal Gel (Optima II): A Phase 2b, Open-Label, Single-Arm Trial

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Kim Margolin, MD, FACP, FASCO

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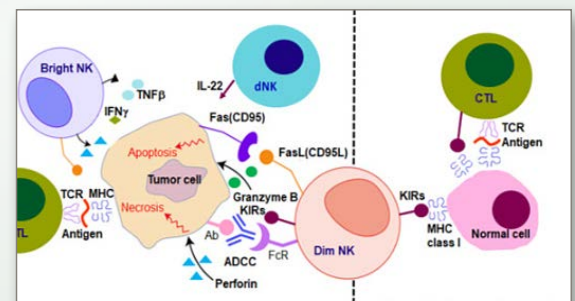
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Tumor-infiltrating exhausted CD8+ T cells dictate reduced survival in premenopausal estrogen receptor-positive breast cancer.

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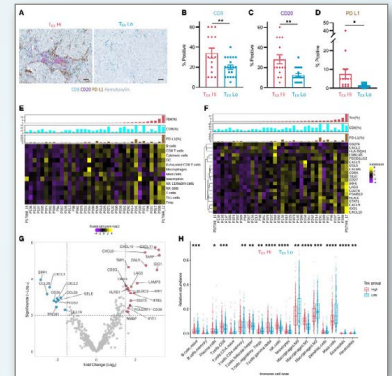
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Neil Martin, MD

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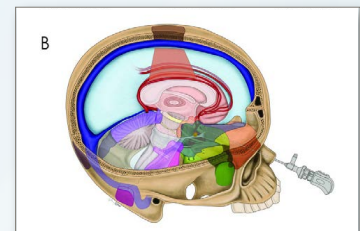
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Handgrip Strength is Related to Hippocampal and Lobar Brain Volumes in a Cohort of Cognitively Impaired Older Adults with Confirmed Amyloid Burden

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Somayeh Meysami, Cyrus A Raji, Ryan M Glatt, Emily S Popa, Aarthi S Ganapathi, Tess Bookheimer, Colby B Slyapich, Kyron P Pierce, Casey J Richards, Melanie G Lampa, Jaya M Gill, Molly K Rapozo, John F Hodes, Ynez M Tongson, Claudia L Wong, Mihae Kim, Verna R Porter, Scott A Kaiser, Stella E Panos, Richelin V Dye, Karen J Miller, Susan Y Bookheimer, Neil A Martin, Santosh Kesari, Daniel F Kelly, Jennifer E Bramen, Prabha Siddarth, David A Merrill
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David A Merrill, MD

Differentiation of Subjective Cognitive Decline, Mild Cognitive Impairment, and Dementia Using qEEG/ERP-Based Cognitive Testing and Volumetric MRI in an Outpatient Specialty Memory Clinic.

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Somayeh Meysami, MD

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Differentiation of Subjective Cognitive Decline, Mild Cognitive Impairment, and Dementia Using qEEG/ERP-Based Cognitive Testing and Volumetric MRI in an Outpatient Specialty Memory Clinic.

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Quantified Brain Magnetic Resonance Imaging Volumes Differentiate Behavioral Variant Frontotemporal Dementia from Early-Onset Alzheimer's Disease

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Elmar Nurmammedov, Ph.D.

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Blocking UBE2N abrogates oncogenic immune signaling in acute myeloid leukemia.

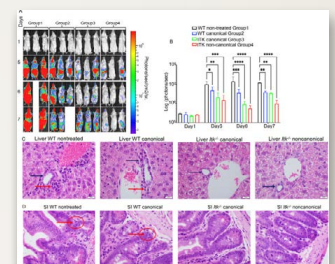
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Javier Orozco, MD

Impact of Locoregional Treatment on Survival in Young Patients with Early-Stage Breast Cancer undergoing Upfront Surgery.

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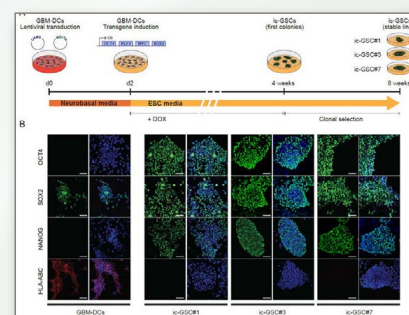
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Parvin Peddi, MD

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Triple negative breast cancer: any closer to cracking the code?

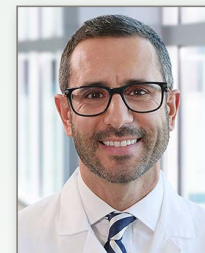
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Impact of a Palliative Care Nurse Practitioner in an Oncology Clinic: A Quality Improvement Effort.

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Verna Porter, MD

Differentiation of Subjective Cognitive Decline, Mild Cognitive Impairment, and Dementia Using qEEG/ERP-Based Cognitive Testing and Volumetric MRI in an Outpatient Specialty Memory Clinic.

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Rare adverse events following Covid-19 vaccination: A Review

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Easing the Journey-an Updated Review of Palliative Care for the Patient with High-Grade Glioma

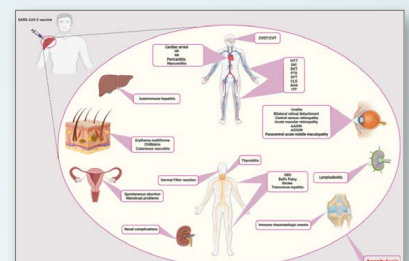
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Naveed Wagle, MD

Detection of perillyl alcohol and its metabolite perillic acid in postsurgical glioblastoma tissue after intranasal administration of NEO100: illustrative case.

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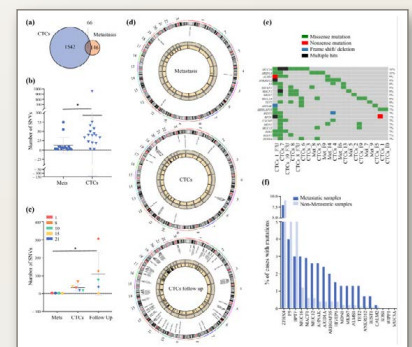
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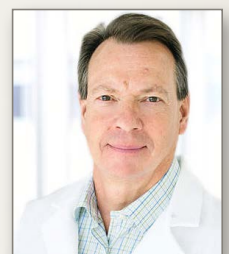


Timothy Wilson, MD

Urine Cell-Free MicroRNAs in Localized Prostate Cancer Patients.

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Allen Warren, MD

Urine Cell-Free MicroRNAs in Localized Prostate Cancer Patients.

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Venkata Yenugonda

Regulation of Chemosensitivity in Human Medulloblastoma Cells by p53 and the PI3 Kinase Signaling Pathway.

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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.

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www.saintjohnscancer.org

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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.

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