**Surgical Adhesions Improvement Project**

Agency for Healthcare Research and Quality (US). (2023). *Making healthcare safer IV: A continuous updating of patient safety harms and practices* [Internet]. Rockville, MD: Agency for Healthcare Research and Quality. Available from <https://www.ncbi.nlm.nih.gov/books/NBK597669/>

Alvarez, J. A., Shi, Q., Dasari, A., Garcia-Aguilar, J., Sanoff, H., George, T. J., Hong, T., Yothers, G., Philip, P., Nelson, G., Al Baghdadi, T., Alese, O. B., Zambare, W., Omer, D., Verheij, F. S., Bercz, A., Kim, M. J., Buckley, J., Williams, H., ... Smith, J. J. (2024). Alliance A022104thank/NRG-GI010: The Janus Rectal Cancer Trial: A randomized phase II/III trial testing the efficacy of triplet versus doublet chemotherapy regarding clinical complete response and disease-free survival in patients with locally advanced rectal cancer. *BMC Cancer, 24*(901). <https://doi.org/10.1186/s12885-024-12529-7>

Andersen, D. K. (2016). Management of Endocrine Failure in Chronic Pancreatitis. *Pancreapedia*. <https://doi.org/10.3998/panc.2016.6>

Andersen, D. K., & Pandol, S. J. (2014). New Insights into the Pathogenesis of Chronic Pancreatitis: A Review of Experimental Models and Human Studies. *Digestive Diseases, 32*(5), 556-566. <https://doi.org/10.1159/000368004>

Andersen, D. K., Korc, M., Petersen, G. M., Eibl, G., Li, D., Lokshin, A., & others. (2017). Heterogeneity of Diabetes: β-Cells, Phenotypes, and Precision Medicine. *Diabetes, 66*(10), 2422-2435. <https://doi.org/10.2337/db16-1492>

Bercz, A., Park, B. K., Pappou, E., Nemirovsky, D., Sarkar, R., Yamner, M., Omer, D., Verheij, F., Alvarez, J., Atri, P., Reyngold, M., Yaeger, R., Wei, I. H., Wu, A., Raj, N., Widmar, M., Hajj, C., Kim, M. J., Rao, D., Nash, G. M., ... Romesser, P. B. (2024). Organ preservation after neoadjuvant long-course chemoradiotherapy versus short-course radiotherapy. *Annals of Oncology*. In press.

Bercz, A., Park, B. K., Pappou, E., Nemirovsky, D., Sarkar, R., Yamner, M., Omer, D., Verheij, F., Alvarez, J., Atri, P., Reyngold, M., Yaeger, R., Wei, I. H., Wu, A., Raj, N., Widmar, M., Hajj, C., Kim, M. J., Rao, D., Nash, G. M., ... Romesser, P. B. (2024). Organ preservation after neoadjuvant long-course chemoradiotherapy versus short-course radiotherapy. *Annals of Oncology.* In press.

Carmichael, S. P. 2nd, Chandra, P. K., Vaughan, J. W., et al. (2024). Prevention of post-operative adhesions: Model development and pilot outcomes of human placental stem cell-based interventions. *Transfusion, 64*(6), 1059-1067.

Carmichael, S. P. 2nd, Kline, D. M., Mowery, N. T., et al. (2023). Geographic variation in operative management of adhesive small bowel obstruction. *Journal of Surgical Research, 286*, 57-64.

Carmichael, S. P. 2nd, Shin, J., Vaughan, J. W., et al. (2022). Regenerative medicine therapies for prevention of abdominal adhesions: A scoping review. *Journal of Surgical Research, 275*, 252-264.

Chen, F., Mercado, C., Yermilov, I., et al. (2010). Improving breast cancer quality of care with the use of patient navigators. *American Surgeon, 76*(10), 1043-1046.

Chen, F., Puig, M., Yermilov, I., et al. (2011). Using breast cancer quality indicators in a vulnerable population. *Cancer, 117*(15), 3311-3321.

De Wilde, R. L., Aizura, A., Aquino, P., Becker, S., Bigossi, M., Catena, U., Clark, J., Darmawan, F., Dubuisson, J., Habana, M. A., Khoo, C. K., Koninckx, P. R., Krentel, H., Lam, A., Lasmar, R., Mansuria, S. M., Mukherjee, S., Musigavong, O., Ohri, S., Pados, G., Pinho de Oliveira, M. A., Puntambekar, S., Rabischong, B., Saridogan, E., Sehouli, J., Sendag, F., Paz Tan, R., Tanos, V., ten Broek, R., Tica, V., Torres-de la Roche, L. A., Wallwiener, M., Zhu, L., & Devassy, R. (2024). Global recommendations on adhesion prophylaxis in gynaecological laparoscopic surgery. *Facts, Views & Vision in ObGyn,* accepted to be published in September 2024. <https://doi.org/10.52054/FVVO.2024.1476>

De Wilde, R. L., Devassy, R., ten Broek, R. P. G., Miller, C. E., Adlan, A., Aquino, P., Becker, S., Darmawan, F., Gergolet, M., Habana, M. A. E., Khoo, C. K., Koninckx, P. R., Korell, M., Krentel, H., Musigavong, O., Pistofidis, G., Puntambekar, S., Rachman, I. A., Sendag, F., Wallwiener, M., & Torres-de la Roche, L. A. (2022). The future of adhesion prophylaxis trial in abdominal surgery: An expert global consensus. *Journal of Clinical Medicine, 11*, 1476. <https://doi.org/10.3390/jcm11061476>

Fischer, A., Koopmans, T., Ramesh, P., Christ, S., Strunz, M., Aichler, M., Feuchtinger, A., Walch, A., Ansari, M., Theis, F. J., Schorpp, K., Hadian, K., Neumann, P. A., Schiller, H. B., & Rinkevich, Y. (2020). Post-surgical adhesions are caused by membrane bridges and fusions between mesothelial surfaces. *Nature Communications, 11*, 3068. <https://doi.org/10.1038/s41467-020-16778-3>

Fischer, A., Wannemacher, J., Christ, S., Koopmans, T., Kadri, S., Zhao, J., Gouda, M., Ye, H., Mück-Häusl, M., Krenn, P. W., Machens, H. G., Fässler, R., Neuman, P. A., Hauck, S., & Rinkevich, Y. (2022). Neutrophils direct preexisting matrix to initiate repair of damaged organs. *Nature Immunology, 23*, 518–531. <https://doi.org/10.1038/s41590-022-01128-w>

Foley-Comer, A. J., Herrick, S. E., Al-Mishlab, T., Prêle, C. M., Laurent, G. J., & Mutsaers, S. E. (2002). Evidence for incorporation of free-floating mesothelial cells as a mechanism of serosal healing. *Journal of Cell Science, 115*(Pt 7), 1383-1389.

Foster, D. (2024). From stroma to scalpel: Celebrating a mentor in science and surgery. *Annals of Surgical Oncology, 31*. <https://doi.org/10.1245/s10434-024-15082-6>

Foster, D., Griffin, M., Januszyk, M., Delitto, D., Norton, J., & Longaker, M. (2023). Optimized nuclei isolation from fresh and frozen solid tumor specimens for multiome sequencing. *Journal of Visualized Experiments*. <https://doi.org/10.3791/65831>

Ganesh, K., Wu, C., O'Rourke, K. P., Szeglin, B. C., Zheng, Y., Sauvé, C. G., Adileh, M., Wasserman, I., Marco, M. R., Kim, A. S., Shady, M., Sanchez-Vega, F., Karthaus, W. R., Won, H. H., Choi, S. H., Pelossof, R., Barlas, A., Ntiamoah, P., Pappou, E., ... Smith, J. J. (2019). A rectal cancer organoid platform to study individual responses to chemoradiation. *Nature Medicine, 25*(10), 1607-1614. <https://doi.org/10.1038/s41591-019-0584-2>

Huy, T., Graham, D. S., Baker, J. L., et al. (2024). Safety and margin positivity rates of surgeon-performed intraoperative ultrasound-guided wire localization for breast cancer. *Surgical Oncology Insight*. <https://doi.org/10.1016/j.soi.2024.100057>

Krielen, P., Kranenburg, L. P. A., Stommel, M. W. J., Bouvy, N. D., Tanis, P. J., Willemsen, J. J., Migchelbrink, J., de Ree, R., Bormans, E. M. G., van Goor, H., & Ten Broek, R. P. G.; ASBO Snapshot Study Group. (2023). Variation in the management of adhesive small bowel obstruction in the Netherlands: A prospective cross-sectional study. *International Journal of Surgery, 109*(8), 2185-2195. <https://doi.org/10.1016/j.ijsu.2023.2185>

Krielen, P., Stommel, M. W. J., Pargmae, P., Bouvy, N. D., Bakkum, E. A., Ellis, H., Parker, M. C., Griffiths, E. A., van Goor, H., & Ten Broek, R. P. G. (2020). Adhesion-related readmissions after open and laparoscopic surgery: A retrospective cohort study (SCAR update). *The Lancet, 395*(10217), 33-41. [https://doi.org/10.1016/S0140-6736(19)32636-4](https://doi.org/10.1016/S0140-6736%2819%2932636-4)

Lansley, S. M., Searles, R. G., Hoi, A., Thomas, C., Moneta, H., Herrick, S. E., Thompson, P. J., Newman, M., Sterrett, G. F., Prêle, C. M., & Mutsaers, S. E. (2011). Mesothelial cell differentiation into osteoblast- and adipocyte-like cells. *Journal of Cellular and Molecular Medicine, 15*(10), 2095-2105.

 Lawson, E. H., Gibbons, M. M., & Ko, C. Y. (2012). Appropriate use of surgical procedures for patients with cancer. *Surgical Oncology Clinics of North America, 21*(3), 479-486.

Maggard-Gibbons, M., Blegen, M., Tupper, H., et al. (2023). Use of report cards and outcome measurements to improve the safety of surgical care: Rapid response.

Marklein, R. A., Klinker, M. W., Drake, K. A., Polikowsky, H. G., Lessey-Morillon, E. C., & Bauer, S. R. (2019). Morphological profiling using machine learning reveals emergent subpopulations of IFN-γ-stimulated MSCs that predict immunosuppression. *Cytotherapy, 21*(1), 17-31.

Mascharak, S., Guo, J., Foster, D., Khan, A., Davitt, M., Nguyen, A., Burcham, A., Chinta, M., Guardino, N., Griffin, M., Lopez, D., Miller, E., Januszyk, M., Raghavan, S., Longacre, T., Delitto, D., Norton, J., & Longaker, M. (2023). Desmoplastic stromal signatures predict patient outcomes in pancreatic ductal adenocarcinoma. *Cell Reports Medicine, 4*, 101248. <https://doi.org/10.1016/j.xcrm.2023.101248>

Morris, M. C., Bercz, A., Niziolek, G. M., Kassam, F., Veile, R., Friend, L. A., Pritts, T. A., Makley, A. T., & Goodman, M. D. (2019). UCH-L1 is a poor serum biomarker of murine traumatic brain injury after polytrauma. *Journal of Surgical Research, 244*, 63-68.

Pierce, L., Anderson, H., Sarkar, S., Bauer, S. R., & Sarkar, S. (2024). Experimental and computational approach to establish fit-for-purpose cell viability assays. *Regenerative Medicine, 19*(1), 27-45. <https://doi.org/10.2217/rme-2023-0154>

Russell, T. A., et al. (2023). Improving colorectal cancer surveillance within the LA County Department of Health Services. *Safety-Net Health Innovation Awards Project*.

Russell, T. A., et al. (2023). Oncologic accuracy of image-guided percutaneous core-needle biopsy of peripheral nerve sheath tumors at a high-volume sarcoma center.

Russell, T. A., et al. (2023). The impact of a surgical site infection bundle on sustaining improvement in surgical care. *American Surgeon*. https://doi.org/10.1016/j.amsurg.2023.47691

Singer, K. E., Bercz, A. P., Morris, M. C., Elson, N. C., Wallen, T. E., Hanseman, D., Pritts, T. A., Nomellini, V., Patel, S. H., Makley, A. T., & Goodman, M. D. (2021). Acute and chronic hematologic implications of emergency and elective splenectomy. *Journal of Surgical Research, 267*, 197-202.

Stapleton, L. M., Lucian, H. J., Grosskopf, A. K., Smith, A. A. A., Totherow, K. P., Woo, Y. J., & Appel, E. A. (2021). Dynamic hydrogels for prevention of post-operative peritoneal adhesions. *Advanced Therapeutics, 4*(2), 2000242. <https://doi.org/10.1002/adtp.202000242>

Stapleton, L. M., Steele, A. N., Wang, H., et al. (2019). Use of a supramolecular polymeric hydrogel as an effective post-operative pericardial adhesion barrier. *Nature Biomedical Engineering, 3*, 611–620. <https://doi.org/10.1038/s41551-019-0442-z>

Sulaiman, H., Gabella, G., Davis, M. S. C., Mutsaers, S. E., Boulos, P., Laurent, G. J., & Herrick, S. E. (2001). Presence and distribution of sensory nerve fibers in human peritoneal adhesions. *Annals of Surgery, 234*(2), 256-261.

Tsai, J. M., Sinha, R., Seita, J., Fernhoff, N., Christ, S., Koopmans, T., Krampitz, G. W., McKenna, K. M., Xing, L., Shoham, M., McCracken, M., Joubert, L. M., Gordon, S. R., Poux, N., Wernig, G., Norton, J. A., Sandholzer, M., Sales, J., Weissman, I. L., & Rinkevich, Y. (2018). Surgical adhesions in mice are derived from mesothelial cells and can be targeted by antibodies against mesothelial markers. *Science Translational Medicine, 10*(469).

van den Beukel, B. A. W., Toneman, M. K., van Veelen, F., van Oud-Alblas, M. B., van Dongen, K., Stommel, M. W. J., van Goor, H., & Ten Broek, R. P. G. (2023). Elective adhesiolysis for chronic abdominal pain reduces long-term risk of adhesive small bowel obstruction. *World Journal of Emergency Surgery, 18*(1), 8. <https://doi.org/10.1186/s13017-023-00458-w>

Vidaurre, MdPH., Osborn, B. K., Lowak, K. D., McDonald, M. M., Wang, Y.-W. W., Pa, V., Richter, J. R., Xu, Y., Arnold, K., Liu, J., & Cardenas, J. C. (2023). A 3-O-sulfated heparan sulfate dodecasaccharide (12-mer) suppresses thromboinflammation and attenuates early organ injury following trauma and hemorrhagic shock. *Frontiers in Immunology, 14*, 1158457. <https://doi.org/10.3389/fimmu.2023.1158457>

Vincent, L. E., Talanker, M. M., Butler, D. D., et al. (2022). Association of changes in antithrombin activity over time with responsiveness to enoxaparin prophylaxis and risk of trauma-related venous thromboembolism. *JAMA Surgery, 157*(8), 713–721. <https://doi.org/10.1001/jamasurg.2022.2214>

Wiseman, D. (2000). Adhesion prevention: Past the future. In G. diZerega, M. Diamond, H. Ellis, V. Gomel, A. F. Haney, L. Holmdahl, J. A. Rock, K. E. Rodgers, & J. N. Thompson (Eds.), *Peritoneal surgery* (pp. 401-418). Springer-Verlag.

Wiseman, D. (2016). Advances, retreats and challenges in adhesions research. *Innova, 2*, 7-29.

Wiseman, D. M. (2008). Disorders of adhesions or adhesion-related disorder: Monolithic entities or part of something bigger—CAPPS? *Seminars in Reproductive Medicine, 26*(5), 356-368. <https://doi.org/10.1055/s-0028-1082394>

Zindel, J., et al. (2021). Primordial GATA6 macrophages function as extravascular platelets in sterile injury. *Science, 371*(6531), eabe0595. <https://doi.org/10.1126/science.abe0595>

Zindel, J., Mittner, J., Bayer, J., et al. (2021). Intraperitoneal microbial contamination drives post-surgical peritoneal adhesions by mesothelial EGFR-signaling. *Nature Communications, 12*, 7316. <https://doi.org/10.1038/s41467-021-27612-x>