

# **2025 MedStar Health – Georgetown University Research & Education Symposium**

**Presented May 19, 2025**

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## Artificial Intelligence in Healthcare

**Anomaly detection for medical data synthesis evaluation: A case study on opioid misuse.** (Zhang, Y.; Xue, B.; Dong, J.; Segbroeck, M.; Shara, N.; McGarvey, P.; Gupta, S.; Xiong, Y.)

**Applications & interventions of artificial intelligence in global health in Africa: A multinational scoping review.** (Bidiwala, S.; Ratnarajah, D.; Nguyen, H.; Wu, J.; Lee, J.; Robsky, K.)

**Assessing AI/ML needs for clinical care through the Bridge2AI clinical care program.** (Abdo, Z.; Libin, A.; Solimany, M.; Shara, N.; Aljawfi, O.; Singh, P.; Yesha, R.; Stienecker, S.)

**Automated measurement of echocardiographic diastolic function parameters: An artificial intelligence vs core lab-read.** (Demissei, B.; Sanchez, A.; Anderson, A.; Henry, A.; Zohdi, A.; Sadeghpour, A.; Teklehaymanot, B.; Case, B.; Asch, F.; Md, F.; Jin, J.; Han, L.; Edelberg, R.; Waksman, R.; Lagarreta, S.; Lee, S.; Masati, V.; Jang, Y.)

**Development of a preliminary patient safety classification system for ambient digital scribes (ADS).** (Reddy, S.; Hose, B.; Handley, J.; Biro, J.; Ratwani, R.; Krevat, S.; Hettinger, Z.)

**Evaluating the utility of open-source vision transformer AI model in analyzing kidney immunofluorescence images.** (Sun, C.; Kallakury, B.; Kwon, D.; Furletti, G.; Laureano, J.)

**Evaluation of artificial intelligence-generated information on lateral epicondylitis.** (Knoer, G.; Chopra, A.; Murthi, A.; Haislup, B.; Maunder, D.; Hoffman, R.; Gupta, S.)

**Exploring the use of large language models to identify patterns in early deaths from obituaries.** (Messmer, M.)

**Feasibility of applying natural language processing and large language models to identify race and ethnic differences in shared decision-making in atrial fibrillation care.** (Nosair, W.; Fong, A.; Mongraw-Chaffin, M.; Weintraub, W.)

**From algorithms to injections: Evaluating AI generated patient materials for PRP.** (Roberts, A.; Kapadia, A.; Lyden, M.; Geer, R.)

**Leveraging large language models to identify social determinants of health needs in clinical notes.** (Fong, A.; Nosair, W.)

**Machine learning in intravascular ultrasound: Validating automated lesion assessment for complex coronary interventions.** (Galo, J.)

**Pathology report analysis system with case search and workload metrics.** (Furletti, G.; Derakhshandeh, R.)

**PrePARE: Preeclampsia Prediction and Assessment for Risk Evaluation.** (Tabaie, A.; Fong, A.; Patchen, L.)

**Predictive modeling of gestational diabetes risk using machine learning techniques: Insights from synthetic maternal health data.** (Aljawfi, O.; Aldroubi, B.; Amankwa, C.; Zeino, J.; Solimany, M.; Kirkman, N.; Shara, N.; Stienecker, S.; Xu, S.; Abdo, Z.)

**Stent expansion assessed by the Core Laboratory versus an In-Cath Lab Online artificial intelligence–powered software: Can the new software replace the gold standard?** (Rubio, P.; Fuentes, F.; Melaku, G.; Weldemichael, G.; Garcia-Garcia, H.; White, S.; Kahsay, Y.)

**The use of large language models (LLMs) in timely evaluation of incidental pulmonary nodules.** (Reddy, S.; Biro, J.; Cobb, N.)

**Towards universal virtual IHC staining: An enhanced cyclegan architecture with nuclear detail preservation for generating paired datasets.** (Furletti, G.; Derakhshandeh, R.; Singh, S.)

**Utilizing a machine learning approach for the prediction of in-hospital mortality after thermal burn.** (Hage, T.; Chow, A.; Pusateri, A.; Shupp, J.; Moffatt, L.; McLawhorn, M.; Le, T.)

## Cancer

**A rare presentation of catastrophic antiphospholipid syndrome (CAPS) and new challenges in diagnosis and treatment.** (Hall, R.; Alcedo, P.)

**Acceptability and feasibility of early cancer physiatry consultation in management of aromatase inhibitors musculoskeletal symptoms (AIMSS) in early-stage hormone receptor positive breast cancer.** (Elmanaseer, O.; Chitalia, A.; Wisotzky, E.; Casey, J.)

**Aggressive progression of chronic lymphocytic leukemia with PLCy2 mutation: An alternate pathway of resistance under BTK inhibition.** (Zamudio, K.; Shenoy, A.)

**Assessment of immunohistochemical panel utilization in thymic carcinoma diagnosis: Real world experience insights.** (Veytsman, I.)

**Association between adjuvant chemotherapy and adherence to surveillance colonoscopies after resection of stage I to III colorectal cancer.** (Vasireddy, R.; Mensah, B.; Haas, C.; Gaddipati, G.; Atarere, J.; Bilalaga, M.; Kanth, P.)

**Bilateral b-cell lymphoma following long-term silicone breast implant placement: A case report.** (Jabbour, S.; Fan, K.; Episalla, N.; Rohrich, R.; Lin, R.; Ferdousian, S.)

**Bridging the gap: Assessing genetic testing and counseling disparities in early-onset colorectal cancer.** (Rivera, J.)

**CD8-positive CAR-T cell lymphoma after cilta-cel therapy for relapsed/refractory igg multiple myeloma.** (Alexander, R.; Ali, A.; Vesole, D.; Diamond, E.; Jennings, J.; Doucette, K.; Schendowich, L.; Ozdemirli, M.; Aggarwal, N.; Roy, T.)

**Characteristics, treatment patterns, and outcomes of HIV-associated lung cancer.** (Roy, T.; Alaoui, A.; Gupta, A.; Bencheqroun, C.; Kim, C.; Ahn, J.; Dong, J.; Mattle, J.; Reuss, J.; Krishnamurthy, K.; Catalfamo, M.; Abdussamad, M.; Gupta, S.; Wang, S.; Liu, S.; Jamal, S.; Tang, T.; Karki, U.)

**Coronary air embolism during robotic bronchoscopy.** (Ziegler, M.; Srichai-Parsia, B.; Anderson, E.; Schobel, H.; Moon, J.; Krochmal, R.; Wall, R.)

**Development of a macrophage-based screening pipelines to evaluate the immunomodulatory effects of small molecule inhibitors.** (Durr, M.; Villagra, A.; Quiceno-Torres, D.; Suresh, M.; Winakur, M.; Noonepalle, S.)

**Evaluating treatment approaches and survival outcomes in adenoid cystic carcinoma of the breast: Insights from the NCDB.** (Perez, A.; Trye, A.; Williams, A.; Son, J.; Cruz, L.; Martin, R.)

**Effects of radiation on latissimus dorsi flaps for breast cancer reconstructive surgery.** (Martin, R.; Perez, A.; Kearney, A.; Tobias, F.; Son, J.; Wehner, P.; Jabbour, S.; Ferdousian, S.)

**Exploring the underreporting of Lambert-Eaton myasthenic syndrome in small cell lung cancer.** (Streicher, N.)

**Guanylate cyclase 2C (GUCY2C) expression and the tumor immune microenvironment (TIME) in gastrointestinal (GI) cancers.** (Alexander, R.; Prakash, A.; Seeber, A.; Elliot, A.; Shields, A.; Grothey, A.; Weinberg, B.; Lou, E.; Battaglin, F.; Krause, H.; Lenz, H.; Marshall, J.; Oberley, M.; Sackstein, P.; Goldberg, R.; Goel, S.)

**Impact of psychological distress on intervention engagement and smoking-related outcomes in a telephone-based smoking cessation randomized trial.** (Thomas, J.; Arianto, A.; Sangraula, A.; Breece, C.; Anderson, E.; Taylor, K.; Davis, K.; Rostagni, O.; Williams, R.; Pham, V.)

**Impact of socioeconomic status on baseline colonoscopy findings and adherence to surveillance colonoscopy among patients with Lynch syndrome.** (Atarere, J.; Mensah, B.; Gaddipati, G.; Bilalaga, M.; Kanth, P.; Vasireddy, R.; Singh, S.; Woo, S.; Akhiwu, T.)

**Inpatient burden and outcomes of neutropenic fever in cancer patients: A study using the national inpatient database sample from 2016- 2020.** (Gaddipati, G.; Mensah, B.; Mohebtash, M.; Bilalaga, M.; Kancharla, P.; Vasireddy, R.; Singh, S.)

**Left atrial appendage closure (LAAC) in cancer patients: A systematic review and meta-analysis.** (Devkota, A.; Shrestha, A.; Kc, A.; Rohita, D.; Shueb, M.; Shrestha, S.; Jaiswal, V.)

**Legal issues and outcomes of a medical-legal partnership for cancer patients.** (Dowling, A.; Sweeney, A.; Ly, A.; Perry, D.; Kessler, L.; Kalra, S.; Girard, V.)

**Medicate or Irradiate? Chemotherapy alone induced complete responses in locally advanced rectal cancer-NCDB.** (Monahan, B.; Fabrizio, A.; Bello, B.; Teeple, E.; Hechi, M.; Ali, P.; Berkey, S.; Sun, Z.)

**Memory-like differentiation and chimeric antigen receptors enhance natural killer cell responses to triple negative breast cancer.** (Hamze, A.; Chiu, C.; Chekuri, G.; Slingerland, J.; Wang, K.; Jacobs, M.)

**Pancreatic cancer presenting as diabetic ketoacidosis: A rare but critical diagnosis.** (Zahid, M.; Oran, E.; Radaelli, M.; Kataria, N.; Creechan, P.)

**Plasmablastic lymphoma as monomorphic posttransplant lymphoproliferative disorder treated to a complete response with daratumumab dose-adjusted EPOCH.** (Diamond, E.; Roswarski, J.; Aggarwal, N.)

**Radical resection vs local excision for T1 rectal cancer: The impact of patient and socioeconomic factors on management and clinical outcomes.** (Broome, J.; Fabrizio, A.; Bello, B.; Neary, J.; Hechi, M.; Ali, P.; Berkey, S.; Sun, Z.)

**Rash in a patient treated for relapsed lymphoma.** (Aggarwal, N.; Diamond, E.; Dunleavy, K.; Ozdemirli, M.)

**Redifferentiation therapy in radioactive iodine refractory thyroid cancer: Post-therapy response and clinical outcomes.** (Manghani, K.; Bendre, A.; Veytsman, I.; Kulkarni, K.)

**Revisions reversed: one-step direct-to-implant outperforms two-step tissue expanders - our institutional experience.** (Perez, A.; Trye, A.; Ms, C.; Son, J.; Fan, K.; Cruz, L.; Rohrich, R.; Martin, R.)

**The influence of the glucagon-like peptide-1 receptor agonist, liraglutide, on dietary patterns and nutrient intakes: A secondary analysis of a randomized controlled trial.** (Richardson, K.; Widmer, A.; Silver, H.; Jospe, M.; Schembre, S.)

**The role of neoadjuvant immunotherapy in clinical T4 colon cancer: A national cancer database review.** (Hechi, M.; Fabrizio, A.; Almanzar, A.; Bello, B.; Neary, J.; Broome, J.; Ali, P.; Berkey, S.; Sun, Z.)

**Tobacco harm reduction: Predictors of clinically meaningful change in cigarettes smoked per day in lung cancer screening (LCS) patients.** (Arianto, A.; Sangraula, A.; Breece, C.; Anderson, E.; Thomas, J.; Taylor, K.; Davis, K.; Rostagni, O.; Williams, R.; Pham, V.)

**Treatment-free survival in patients with advanced melanoma and non-small cell lung cancer receiving immune checkpoint inhibitors: Real-world outcomes over a 3-year timespan.** (Wilkins, O.; Alaoui, A.; Marki, A.; Dellapia, A.; Ip, A.; Sinclair, B.; Zaemes, J.; Ahn, J.; Voss, J.; Pascaul, L.; Fogel, L.; Regean, M.; Atkins, M.; Arias-Orozco, N.; Shah, N.; Jegede, O.; Zemel, R.; Gupta, S.; Lev-Ari, S.; Zhang, Y.)

## **Critical Care/Burn/Trauma**

**Unmasking the danger: Lithium toxicity triggering syncope.** (Patel, P.; Siddiqi, A.; Sloane, P.)

**A case of vaccine-induced severe thrombotic thrombocytopenic purpura (TTP).** (Nance, D.; Hall, R.)

**A complex case of serotonin syndrome in the ICU.** (Kreisel, C.; Lazarous, D.; Barkhordar, M.)

**A novel product containing the secreted factors of stem cells ameliorates burn wound progression in a rat comb burn model.** (Watson, A.; Bruhm, A.; Chow, A.; Carney, B.; Shupp, J.; Lindsey, K.; Moffatt, L.; Manalo, L.; Hage, T.)

**Bland-Altman analyses comparing measures of oxygen saturation in ICU subjects.** (Drescher, G.; Kriner, E.)

**Bystander intervention in the emergency department: Development of CLEARVIEW tool to evaluate interactions between healthcare and law enforcement.** (Bowling, P.; Ramdath, C.; Kaufman, E.; Hall, E.; Sava, J.; Mock, L.; Perez-Badillo, M.)

**Early mobilization after lower extremity split thickness skin grafting is not associated with graft loss in burn patients: A retrospective chart review.** (Singson, M.; Carney, B.; Pinto, D.; Shupp, J.; Moffatt, L.; Mathew, S.; Tejiram, S.; Travis, T.)

**Fibrinolytic activation and its association with mortality after traumatic and thermal injury.** (Chow, A.; Pusateri, A.; Pinto, D.; Shupp, J.; Freeman, K.; Moffatt, L.; Mclawhorn, M.; Cohen, M.; Orfeo, T.; Le, T.)

**Inequities in post-intubation analgesia strategies.** (Aubuchon, K.; Cogan, A.; Amaru, A.; Verwiell, C.; Arem, H.; Caputo, J.; Goyal, M.; McCabe, P.; Cepero, T.; Kim, V.)

**Inhibition of post-burn hypertrophic scar hyperpigmentation by topical treatment with hydroquinone: Results from a novel transgenic mouse model of pigmented scarring.** (Bruhm, A.; Chow, A.; Carney, B.; D'orio, C.; Meretta, C.; Ziedins, E.; Shupp, J.; Moffatt, L.; Potluri, T.)

**Nursing experiences and perceptions of safety and law enforcement officers in the trauma bay: A mixed-methods study.** (Kim, M.; Trankiem, C.; Hall, E.; Sava, J.; Davies, N.; Bhatnagar, P.; Washburn, T.)

**Patient self-grading of itch within hypertrophic scar does not correlate to mast cell concentration.** (Yarsky, U.; Carney, B.; Molina, E.; Shupp, J.; Mclawhorn, M.; Travis, T.)

**Social vulnerability and hypertrophic scar burden: Examining the impact of SVI on post-burn hand function and symptomatology.** (Lemaster, J.; Bieterman, A.; Carney, B.; Snee, I.; Oh, J.; Shupp, J.; Moffatt, L.; Tejiram, S.; Travis, T.)

## **Education, Wellbeing, and Other Social Sciences**

**A qualitative study exploring medical student comfort with reproductive and sexual health in disability.** (Malmut, L.; Williams, K.; Patel, S.)

**Building better neurosurgeons: A resident needs assessment.** (Breton, J.; Felbaum, D.; Nair, M.)

**Characteristics of burnout among palliative care pharmacists.** (Godsey, M.; Cook, H.; Pharmd, K.)

**Combatting specialty disrespect: A pre-post survey analysis of a multi-faceted campaign in medical education.** (Hart, K.)

**Evaluating team communication using TeamSTEPPS on a cardiac step-down unit.** (Anderson, J.)

**Is “protected time” truly protected?.** (Malkawi, S.; Singh, B.; Arti, F.; Naqvi, H.; Singh, J.; Warfield, N.)

## **Health Services Research**

**A community health worker approach to social needs identification and support among black cancer survivors.** (Oluwole, O.; Milicia, A.; Arem, H.; Rivera, J.; Davis, K.; Townsend, L.; Naves, L.; Pratt-Chapman, M.; Smith, M.)

**A nationwide environmental scan and content analysis of hospital based doula programs.** (Gaxiola, S.; Mccullers, A.; Galarraga, J.; Sutton, K.; Robinson, L.; Rahman, S.; Wyand, S.)

**A quality improvement approach to enhancing medications for opioid use disorder access in hospitalized patients.** (Boomsma, C.)

**Analysis of medicaid claims for cancer treatments (2018–2022).** (Aggarwal, N.)

**Colorectal cancer screening barriers and patient navigation needs: A qualitative study.** (Schubel, L.; Fong, A.; Garner, D.; Arem, H.; Galarraga, J.; Rivera, J.; Aubuchon, K.; Grady, M.; Hill, T.)

**Cost effectiveness and return on investment in DC Safe Babies Safe Moms: evidence from year 3.** (Davis, C.)

**DC Safe Babies Safe Moms: The impact of perinatal navigation on addressing social needs and adherence to recommended pediatric visits and preventive care.** (Rivera, A.; Kini, A.; Warner, A.; Roett, M.; Cassie, R.; Budd, S.; Tunstall, V.)

**Data-driven interventions to reduce patient check-in errors in outpatient clinics: a quality improvement approach.** (Brinton, A.; Rodriguez, B.; Sherner, J.)

**Disparities in diabetic eye exams rates among primary care patients with diabetes.** (Brinton, A.; Tran, J.; Rivera, J.)

**Does getting sued change your practice?.** (Rosenberg, B.; Richter, C.; Richter, N.; Bhat, R.; Budd, S.)

**Evaluating a food security and financial health interventions in pediatric primary care.** (Davis, C.)

**Five year experience with a mixed inventory of pathogen reduced and non-pathogen reduced platelets.** (Gilstad, C.; Langeberg, A.)

**High consequence infectious disease transport full scale exercise - ESPERANZA.** (Sasser, J.; Resnick, A.; Bowman, C.; Miller, E.; Ross, E.; Nable, J.; Kappler, S.; Jausurawong, T.)

**Identifying intimate partner violence among ED patients: A retrospective analysis of demographic trends and social needs.** (Wyand, S.; Tabaie, A.; Cao, F.; Bennett, S.)

**Identifying and understanding the prevalence of social needs in an urban oncology setting.** (Milicia, A.; Arem, H.; Rivera, J.; Davis, K.; Schubel, L.; Pratt-Chapman, M.; Smith, M.)

**Impact of Hurricane Katrina on the primary care physician workforce in Louisiana.** (Jetty, A.; Pristell, C.; Park, J.)

**Improving birthing outcomes with DC Safe Babies Safe Moms program: Perinatal navigation and maternal fetal medicine consultations in primary care settings.** (Cassie, R.; Rivera, A.; Kini, A.; Warner, A.; Roett, M.; Budd, S.; Tunstall, V.)

**Leveraging community health needs assessment (CHNA) data to inform burn outreach and prevention.** (White, A.)

**Mapping clinician workflows for type 2 diabetes diagnosis: Facilitators and barriers to clinical practice in primary care.** (Miller, K.; Selden, E.; Foresman, G.; Liauchonak, H.; Sutton, K.; Schubel, L.; Bigelow, L.; Capan, M.; Lotfibagha, P.; Spaar, P.; Bennett, S.; Gallagher, W.; Kathuria, Y.)

**Maryland Medicaid Doula Program: Promises, pitfalls, & the path forward.** (Wyand, S.; Mccullers, A.; Galarraga, J.; Sutton, K.; Lyons, K.; Goetschius, L.; Mood, M.; Eckroade, M.; Rahman, S.; Bruce, T.)

**Primary care's historic & evolving role in vaccination.** (Didden, A.; Bazemore, A.; Seliby-Perkins, L.; Jabbarpour, Y.)

**Race and ethnic disparities in catheter ablation utilization for atrial fibrillation: A systematic review and meta-analysis.** (Nosair, W.; Tsimploulis, A.; Thomaides, A.; Strouse, D.; Smith, J.; Heimlich, L.; Shaban, L.; Khoury, M.; Mongraw-Chaffin, M.; Kolm, P.; Alashqar, R.; Dolman, S.; Lee, S.; Weintraub, W.)

**Spatial analysis of local mobility for COVID-19 asymptomatic and symptomatic cases in Hong Kong.** (Yu, W.)

## Heart & Vascular

**A case of rheumatoid arthritis-associated pericarditis with cardiac tamponade.** (Stanton, H.; Bonifacino, E.; Campbell, J.; Roster, K.; Reyes, M.)

**A heart breaking trip: Cannabis-induced takotsubo cardiomyopathy.** (Haque, O.; Kiyani, M.; Rehman, O.)

**Arrhythmogenic risk in v142i transthyretin amyloid cardiomyopathy.** (Njus, M.; Kadakkal, A.; Oates, C.; Sheikh, F.; Li, J.; Afari-Armah, N.; Barish, R.; Vora, T.)

**Aortic root thrombus associated acute myocardial infarction in LVAD patients: A case series.** (Banerjee, A.; Ben-Dor, I.; Hussien, M.; Vera, M.; Wyand, T.)

**Cardiac sarcoidosis presenting as LV pseudoaneurysm with hypermetabolic activity: A multimodal diagnostic challenge.** (Kalra, K.; Sheikh, F.; Bermudez, F.; Singh, M.; Ramdeen, S.)

**Clinical impact of body mass index in heartmate 3 LVAD recipients requiring temporary RVAD for early right ventricular failure.** (Prasad, R.; Kadakkal, A.; Papolos, A.; Kenigsberg, B.; Frances, B.; Sheikh, F.; Balsara, K.; Lorente-Ros, M.; Pinilla-Vera, M.; Husain, M.; Lam, P.; Gupta, R.)

**Clinical impact of chronic inflammatory systemic diseases on transcatheter aortic valve replacement.** (Verma, B.)

**Comparison between visual estimation by the treating physician and quantitative analysis by a central laboratory for the evaluation of target lesion diameter stenosis.** (White, S.; Fuentes, F.; Melaku, G.; Weldemichael, G.; Garcia-Garcia, H.; Rubio, P.; Kahsay, Y.)

**Complications of catheter ablation of atrial arrhythmias in adults with congenital heart disease: A national analysis.** (Desai, A.; Tsimploulis, A.; Thomaides, A.; Basyal, B.; Czulada, E.; Mongraw-Chaffin, M.; Lee, S.; Nosair, W.; Weintraub, W.)

**Coronary artery disease progression following transcatheter aortic valve replacement: A QCA and QFR analysis.** (Galo, J.)

**Coronary microvascular dysfunction in patients with cancer experiencing angina with nonobstructive coronary arteries.** (Khalil, M.; Chaturvedi, A.; Case, B.; Zhang, C.; Hashim, H.; Garcia-Garcia, H.; Merdler, I.; Ben-Dor, I.; Li, J.; Chitturi, K.; Cellamare, M.; Zahid, M.; Waksman, R.; Sawant, V.; Abusnina, W.)

**Decoding cardiogenic shock with transesophageal echocardiography: a complex case of mitral valve disease.** (Samuel, R.; Kenigsberg, B.; Frisancho, F.; Pere, M.; Singam, N.)

**Discharge prescription for neurohormonal blockade and clinical outcomes in HeartMate 3 LVAD recipients after device implantation.** (Frisancho, F.; Kadakkal, A.; Sheikh, F.; Balsara, K.; Shaban, L.; Rodrigo, M.; Hockstein, M.; Lam, P.; Gupta, R.; Li, Z.)

**Effect of hydroxyurea on heart failure hospitalizations in patients with sickle cell disease and heart failure:** (Alashqar, R.; Deb, B.; Hani, F.; Husain, M.; Krishnan, M.)

**Evaluation of cardiac amyloidosis with cardiac MRI and association with endomyocardial biopsy findings.** (Khalid, T.; Pingili, A.; Woldu, B.; Alhasan, Y.)

**Exploring the impact of age on microvascular function: Insights from the coronary microvascular disease registry.** (Qaraghuli, A.; Chaturvedi, A.; Verma, B.; Case, B.; Zhang, C.; Hashim, H.; Ben-Dor, I.; Galo, J.; Chitturi, K.; Lupu, L.; Satler, L.; Cellamare, M.; Waksman, R.; Rogers, T.; Abusnina, W.)

**Exploring the link between social deprivation measures and palliative care utilization in patient on long-term LVAD therapy.** (Khoury, M.; Rao, A.; Sheikh, F.; Groninger, H.; Flores, J.; Balsara, K.; Anderson, K.; Hockstein, M.; Creechan, P.; Gupta, R.; Avila-Quintero, V.)

**Impact of catheter ablation on ventricular arrhythmia outcomes in adults with congenital heart disease: A national analysis.** (Desai, A.; Tsimploulis, A.; Thomaides, A.; Basyal, B.; Czulada, E.; Mongraw-Chaffin, M.; Lee, S.; Nosair, W.; Weintraub, W.)

**Impact of heart failure readmission in HeartMate 3 LVAD recipients.** (Frisancho, F.; Kadakkal, A.; Sheikh, F.; Balsara, K.; Shaban, L.; Rodrigo, M.; Hockstein, M.; Pinilla-Vera, M.; Lam, P.; Gupta, R.; Glocker, S.; Li, Z.)

**Impact of the global limb anatomic staging system (GLASS) on clinical outcomes in the LIFE-BTK randomized controlled trial.** (Melaku, G.; Weldemichael, G.; Garcia-Garcia, H.; Rubio, P.; White, S.; Kahsay, Y.)

**Impella versus intra-aortic balloon pump for the treatment of cardiogenic shock secondary to acute myocardial infarction.** (Verma, B.)

**Leadless pacemaker dysfunction due to abandoned Boston Scientific lead with an active minute ventilation sensor.** (Naffa, F.; Hadadi, C.)

**Managing heparin-induced thrombocytopenia in LVAD candidates: Insights from a single center.** (Kalra, K.; Sheikh, F.; Rubin, G.; Balsara, K.)

**Multidisciplinary management of complex in-stent restenosis using laser atherectomy and intravascular lithotripsy in a high-risk patient.** (Naffa, F.; Ndakotsu, A.)

**Myocardial injury after kidney transplantation: A retrospective observational study.** (Rayes, D.; Srichai-Parsia, B.; Deb, B.; Valdiviezo-Schlomp, C.; Choi, C.; Liu, K.; Marchi, L.; Lawrence, L.; Samuel, R.)

**Outcomes of upfront versus rescue RVAD placement in heartmate 3 LVAD recipients with early severe right ventricular failure.** (Husain, M.; Kadakkal, A.; Papolos, A.; Kenigsberg, B.; Frances, B.; Sheikh, F.; Balsara, K.; Lorente-Ros, M.; Hockstein, M.; Pinilla-Vera, M.; Lam, P.; Gupta, R.; Prasad, R.)

**Percutaneous management of suture-based vascular occlusion: A case series and benchtop model.** (Czulada, E.; Chaturvedi, A.; Verma, B.; Haberman, D.; Merdler, I.; Ben-Dor, I.; Galo, J.; Chitturi, K.; Lupu, L.; Bernardo, N.; Waksman, R.; Abusnina, W.)

**Peripheral vascular disease and its impact on gait function in patients with below knee amputation with targeted muscle reinnervation.** (Abdelfatah, A.; Akbari, C.; Attinger, C.; Atves, J.; Shih, J.; Steinberg, J.; Evans, K.; Llauro, L.; Rohrich, R.; Youn, R.; Adab, R.; Zheng, W.)

**Peripheral arterial disease: Site vs Core Lab reported pre-procedural diameter stenosis.** (Fuentes, F.; Melaku, G.; Weldemichael, G.; Garcia-Garcia, H.; Rubio, P.; White, S.; Kahsay, Y.)

**Phenotypic and outcome differences of Black, wild-type transthyretin cardiac amyloidosis patients.** (Li, J.; Kadakkal, A.; Oates, C.; Sheikh, F.; Njus, M.; Afari-Armah, N.; Barish, R.; Vora, T.)

**Pulmonary arterial hypertension following trastuzumab emtansine treatment.** (Khouri, M.; Choi, J.; Brown, J.; Shaban, L.; Krishnan, M.; Gilliland, S.)

**Recurrent torsade de pointes in acute systolic heart failure: A complication of alcohol-induced refractory hypomagnesemia.** (Radaelli, M.; Medvedofsky, D.; Hani, F.; Zahid, M.; Creechan, P.)

**Right ventricular function assessment on echocardiogram and cardiac MRI in sickle cell disease: A linear regression analysis.** (Hani, F.; Deb, B.; Choi, J.; Dias-Douglas, J.; Krishnan, M.; Singh, P.; Kariyil, T.)

**Safety of pre-procedure fasting versus non-fasting protocols before cardiac catheterization: A meta-analysis of randomized clinical trials.** (Chaturvedi, A.; Qaraghuli, A.; Verma, B.; Zhang, C.; Haberman, D.; Hashim, H.; Ben-Dor, I.; Galo, J.; Lupu, L.; Satler, L.; Cellamare, M.; Waksman, R.; Rogers, T.; Abusnina, W.)

**Severe aortic wall thrombus in TAVR: Prevalence and stroke risk.** (Galo, J.)

**Silent to severe: Cardiac risks in anorexia nervosa.** (Ahmad, U.; Haque, O.; Gautham, S.)

**Temporal trends in short-term outcomes of catheter ablation for atrial fibrillation at a tertiary medical center.** (Czulada, E.; Tsimploulis, A.; Thomaidis, A.; Smith, J.; Mongraw-Chaffin, M.; Kolm, P.; Kabadi, R.; Dolman, S.; Krug, S.; Lee, S.; Nosair, W.; Weintraub, W.)

**Trends in treatment outcomes of left bundle branch block resynchronization therapy: A sex-specific systematic review and meta-analysis.** (Kiyani, M.; Rawat, A.; Kandi, A.; Afridi, I.; Ashraf, L.; Sayeed, N.; Akoum, N.; Sriram, R.)

**Ustekinumab-induced myocarditis in a patient with Crohn's disease.** (Alzraikat, S.; Arman, A.; Asamoah, N.; Zureikat, Q.; Mehta, R.; Peppas, S.; Afzal, U.)

## **Medical Education**

**Effects of work-based post graduate educational programs on new graduate advance practice provider preparedness within primary care.** (Becker, L.; Jones-Waller, S.)

**Evaluating elastography in lean nash patients: a superior diagnostic tool over ultrasound?** (Singh, S.; Mensah, B.; Arora, M.)

**A path toward disability competency: Integration of disabled-actors into standardized patient encounters.** (Roberts, A.; Malmut, L.)

**An atypical presentation of septic arthritis in an elderly patient with orthostatic hypotension and paroxysmal atrial fibrillation.** (Sehgal, L.; Veno, M.)

**Assessing the longitudinal impact of the health justice scholars track on professional identity and empathy of Georgetown undergraduate medical students.** (Moore, E.; Perry, D.; Kessler, L.; Girard, V.)

**Black box, bridge, or box check? Understanding U.S. clinical experiences of international medical graduates.** (Sommovilla, N.; Saleh, N.; Humayun, N.)

**Culinary medicine and nutrition elective for residents-in-training study.** (Tagare, M.; Smith, M.; Stone, T.)

**Curriculum mapping to assess health equity competencies in undergraduate medical education (UME).** (Williams, J.; Cammack, A.; Ugboaja, C.; Seiler, E.; Olakkengil, N.; Williams, R.; Kureshi, S.; Daya, S.; Smith, T.)

**Curriculum for central venous catheter training for interns starting critical care rotations.** (Oconnor, C.; Luta, A.; Stahl, K.; Hall, R.)

**Developing a wellness curriculum in a neonatology fellowship program to improve resilience and mitigate burnout.** (Kamholz, K.; Rubin, L.; Saroop, S.)

**Exploring the Link Between Resident Perceptions of Health Disparities and Race-Based Medicine.** (Shaw, B.; Sheikh-Issa, B.; Selden, E.; Tefera, E.)

**Faculty Evaluation of Anti-Bias and Inclusive Curriculum Resources.** (Ghatti, S.; Standley, C.; Perez, D.; Williams, J.; Shahrour, N.; Olakkengil, N.; Williams, R.; Greguske, R.; Marshall, S.; Kureshi, S.; Shaikh, U.; Barton-Maxwell, V.)

**From Curiosity to Commitment: Unraveling The Journey Of Medical Students' Perspective Towards Surgical Careers.** (Diaz, P.; Crowner, J.; Kiguchi, M.; Vallabhaneni, R.; Ilyas, S.)

**How Do You Do It? A Deep Analysis of Self-Directed Reading and Lifelong Learning by Practicing Academic Cardiologists.** (Garg, V.; Pingili, A.; Mehta, M.; Singh, P.)

**Medical Residents' Perspectives on Wellness and Human Flourishing.** (Coles, T.)

**Meeting the Needs of the Returning Surgical Resident from Parental Leave: A Qualitative Study Using Maslow's Hierarchy of Needs.** (Tom, L.; Margulies, I.; Snee, I.; Meesa, P.)

**Overcoming ERCP Limitations: A Case Report of EUS-Guided Biliary Stenting in Pancreatic Cancer-Induced Obstructive Jaundice.** (Singh, S.; Sankineni, A.; Mensah, B.; Kini, S.)

**Physician Perspectives on Caring for People with Complex Neurological Conditions.** (Banerjee, D.; Rao, P.)

**Preparing International Medical Graduates (IMGs) for Residency: Assessing the Need for a Transitional to Residency Curriculum.** (Saleh, N.; Shafqat, A.; Sommovilla, N.; Bandaru, S.; Singh, T.)

**Specialty choice impacts medical students' experience of microaggressions and discrimination.** (To, Y.; Bentley, A.)

**The "Breastival": A nursing educational initiative to improve exclusive breastfeeding rates at MedStar Franklin Square.** (Mcjilton, S.; Corson, K.; Flannery, M.)

**Training on firearm injury screening and safety among medical professionals: A scoping review.** (Brownell, M.; Pinto, D.; Dowd, J.)

**What do medical students think about a pass/fail USMLE Step 1? A national cross-sectional analysis of allopathic schools.** (Thiru, S.; Kuenze, C.; Chang, E.; Sharma, P.; Cherelstein, R.; Feeley, S.; Halperin, S.)

## **Neurosciences/Rehabilitation**

**Lateralized attentional biases after right-hemisphere stroke can affect performance on tests with horizontal stimulus layouts even in the absence of significant hemispatial neglect.** (Haile, S.; Seydell-Greenwald, A.; Stack, K.)

**A rare case of buried bumper syndrome.** (Collaco, N.; Pellegrino, K.; Malmut, L.)

**Accelerating UTI diagnosis and treatment: Real-time bacterial NADH conversion as a biomarker for urine bacterial growth in SCI/D.** (Guemez, A.; Fox, A.; Rounds, A.; Ljungberg, I.; Groah, S.)

**Adverse social determinants of health and discrimination associated with worse stroke recovery.** (Denny, M.; Aukhert, A.; Edwards, G.; Chou, J.; Imam, J.; Dailey, M.; Hamilton, M.; Mupparapu, N.; Rao, P.; Greguske, R.; McClure, W.)

**Atypical presentation and rehabilitation of right middle cerebral artery stroke in a left-hand dominant female with nonfluent aphasia: A case report.** (Gundavarpu, S.; Nally, E.)

**Catatonia in a patient with anoxic brain injury secondary to spontaneous coronary artery dissection postpartum: A case report.** (Jafri, A.; Nally, E.)

**Deciphering synaptic plasticity: PKC as a key regulator of CREB phosphorylation.** (Diez, O.; Pak, D.)

**Decoding the circuitry of the primate auditory-motor system with neuropixels probes.** (Baumann, S.)

**Elevated flow velocity in transcranial doppler: Discrepancies between actual vasospasm locations and flow measurements.** (Kim, Y.; Liu, A.; Kim, A.; Withington, C.; Felbaum, D.; Tefera, E.; Chang, J.; Mai, J.; Williams, J.; Armonda, R.)

**Endovascular thrombectomy versus medical management for patients with large vessel stroke and infective endocarditis.** (Chen, H.)

**Establishing the first PANS/PANDAS & neuroimmune brain bank at Georgetown: A pioneering initiative in neuroinflammation research.** (Selenica, M.; Harris, B.; Khan, G.)

**Health disparities and individual-specific factors predicting functional outcomes at 12 months among people with tetraplegia: Results from the SCI model systems.** (Geed, S.; Ljungberg, I.; Groah, S.)

**Improving Palliative Care Teamwork in ALS (IMPACT-ALS): Increasing interprofessional healthcare team member confidence and independence in communicating values and goals of care between people with ALS, care partners, and providers.** (Ranga, R.; Sotomayor, C.; Sulmasy, D.; Law, G.; Parnes, K.; Milic, M.; Rao, P.)

**Impact of call team mobilization on mechanical thrombectomy outcomes in acute ischemic stroke.** (Breton, J.; Stermer, A.; Woodward, A.; Felbaum, D.; Dawson, K.; Mccullough, M.; Derita, N.; Singh, P.; Alqahtani, S.; Sur, S.; Prvulovic, S.; Juan, V.)

**Intravesical Lactobacillus for urinary symptoms among chronic intermittent catheter users: Effect of dose and patient satisfaction.** (Riegner, C.; Ljungberg, I.; Groah, S.)

**Lactobacillus rhamnosus GG bladder wash versus saline bladder wash for self-management of urinary and bladder symptoms in intermittent catheter users: Interim findings.** (Leonard, E.; Ljungberg, I.; Dimeglio, S.; Groah, S.)

**Longitudinal EEG Characteristics of anti-GAD65 antibody related autoimmune epilepsy.** (Wang, T.; Mohammadi, C.; Ting, T.)

**Masked by movement: An elite runner's 17-year journey from Olympic trials to a Parkinson's diagnosis.** (Stowers, J.; Ly, A.; Alter, K.; Druckenbrod, M.)

**Onabotulinum Toxin A for refractory CRPS with plantar fasciitis-like pain.** (Amin, M.; Wroten, M.)

**Persistent right shoulder and neck pain after lymph node biopsy: A unique case of spinal accessory nerve palsy found on diagnostic ultrasound.** (Cox, R.)

**Radial tunnel vision: Use of ultra-high frequency ultrasound to diagnose nerve sheath tumors.** (Qadri, S.; Wido, D.; Miller, M.)

**Sociocultural background may affect emotion recognition in Black and White stroke survivors on the shortened Geneva Emotion Recognition Test.** (Phillips, S.; Marsh, A.; Seydell-Greenwald, A.)

**The relationship between NADH conversion and the likelihood of urinary tract infection in individuals with neurogenic bladder.** (Fox, A.; Guemez, A.; Skipwith, C.; Groah, S.)

**Venous sinus stenting versus cerebrospinal fluid shunting for patients with idiopathic intracranial hypertension: A nationwide study of peri-operative outcomes and hospital readmissions.** (Chen, H.)

## **OB/GYN**

**Investigating anemia during pregnancy and its association with exposure to environmental pollution.** (Rogovin, H.; Blumenthal, J.; Patchen, L.)

**Assessing the ergonomics of gynecologic surgeries.** (Mulvaney, K.)

**Barriers to effective treatment of genitourinary syndrome of menopause: A qualitative study on patient perspectives on vaginal estrogen.** (Zhang, H.)

**Characterizing health and legal outcomes of neonatal abstinence syndrome.** (Kim, T.; Tabaie, A.; Blumenthal, J.; Zhang, K.; Patchen, L.; Tanjutco, P.; Kazi, S.; Bennett, S.; Weintraub, W.; Unno, Y.)

**Cost analysis of single versus dual agent therapy in management of early pregnancy loss.** (Ye, P.; Chang, H.)

**Cross sectional survey of OB/GYN residents' graduated experience with robotic surgery.** (Snyder, A.)

**Designing a digital intervention to increase human milk feeding among Black mothers: Qualitative study of acceptability and preferences.** (Patchen, L.; Sherard, D.; Bajracharya, E.; Tsuei, J.; Chang, K.; Ma, T.; Evans, W.; Mungai-Barris, Z.)

**Determination or deterrence: influences on OB/GYN residents' future scope of family planning practice.** (Ye, P.)

**Impact of type and duration of oral antibiotic prophylaxis on UTI rate after Botox.** (Clarke, B.; Dieter, A.; Yacovone, G.; Marantidis, J.; Choi, J.; Furlong, M.)

**Indocyanine green for uterine isthmocoele repair: A case report.** (Cosgriff, L.; Hazen, N.; Sussman, R.; Rahematpura, S.)

**Maternal and neonatal outcomes of birthing individuals served by the Safe Babies Safe Moms perinatal diabetic and nutrition program.** (Myers, M.; Patchen, L.; Browning, M.; Budd, S.; Sharikha, S.; Greenberg, V.)

**Needs, barriers, and facilitators to implementing nurse-led perinatal mental health support in obstetric care.** (Tobon, A.; Danielson, A.; Mendoza, A.; Pena-Gomez, A.; Tedla, A.; Marea, C.; Rasmussen, C.; Scott, R.)

**Postpartum oral glucose tolerance testing: Opportunity to improve diabetes care.** (Browning, M.; Kini, A.; Patchen, L.; Budd, S.; Silagi, S.; Greenberg, V.; Xiong, Y.)

**Prevalence and characterization of single and polysubstance use among pregnant individuals who delivered in a mid-Atlantic health system.** (Sheehan, J.; Tabaie, A.; Rogovin, H.; Blumenthal, J.; Tanjutco, P.; Kazi, S.; Bennett, S.; Weintraub, W.; Unno, Y.)

**Prevalence of health-harming legal issues identified through a perinatal medical-legal partnership.** (Olakkengil, N.; Perry, D.; Kessler, L.; Patchen, L.; Richardson, R.; Budd, S.; Girard, V.)

**Procedural pain and choice of anesthetic at time of polyacrylamide hydrogel injections for stress urinary incontinence: A randomized controlled trial.** (Gaddam, N.; Dieter, A.; Sokol, A.; Brown, E.; Marantidis, J.; Richter, L.; Ahmed, N.; Sussman, R.; Gutman, R.)

**Trajectories of social drivers of health needs and postpartum depression symptoms.** (Laccay, C.; Rogovin, H.; Tsuei, J.; Patchen, L.; Thorpe, M.; Budd, S.)

**Vaginal injection of platelet rich plasma for the improvement of sexual function (V.I.P. Study).** (Clarke, B.; Dieter, A.; Garcia, B.; Iglesia, C.; Gaddam, N.)

**When and why did patients with two or more prior cesarean sections deliver?** (Mulvaney, K.)

## Orthopedics

**A modern biomechanical assessment of functional elbow motion utilizing motion capture software.** (Griffin, D.; Giladi, A.; Martelli, D.; Kessler, M.; Lee, N.; Yin, R.)

**A propensity matched analysis of the impact of sternal fractures on outcomes in concurrent thoracic spine fractures: The fourth column of the spine.** (Carroll, A.; Mesfin, A.; Perez-Alba, A.; Quinonez, A.; Bellaire, C.; Griffin, D.; Yin, R.)

**A prospective randomized controlled trial of a hand therapy digital application for thumb arthritis.** (Imbergamo, C.; Giladi, A.; Murphy, C.; Yohe, G.; Jr., K.; Saunders, R.)

**Analyzing the differences in postural stability in patients with minor lower extremity amputations.** (Cartillier, L.; Attinger, C.; Shan, H.; Atves, J.; Shih, J.; Steinberg, J.; Evans, K.; Currin, M.; Kishik, M.; Rohrich, R.; Youn, R.; Shaikh, U.)

**Biomechanical analysis of staple versus suture anchor fixation for modified Lemaire lateral extra-articular tenodesis.** (Perraut, G.; Cunningham, B.; Kuenze, C.; Obiofuma, C.; Chang, E.; Gibbs, H.; Day, J.; Cherelstein, R.; Lucas, S.; Thiru, S.)

**Brachial plexus blocks increase cost of care and decrease opioid prescription following proximal row carpectomy – A matched analysis of 6,358 patients.** (Burroughs, P.; Henn, C.; Griffin, D.; Kessler, M.)

**Carbon fiber implants for spinal tumors: outcomes and complications.** (Benn, L.; Mesfin, A.; Mo, A.; Obiofuma, C.; Selles, M.; Tannous, O.)

**Choice of DVT prophylaxis affects rate of manipulation under anesthesia in total knee arthroplasty.** (Crowley, B.; Levine, B.; Joaquin, T.)

**Comparative analysis of a 3D printed expandable lumbar interbody spacer versus a traditional static spacer: A retrospective cohort study of clinical and radiographic outcomes.** (Carroll, A.; Moatz, B.; Cunningham, B.; Brooks, D.; Day, J.; Chotikul, L.; Soda, M.; Asdourian, P.; Mcafee, P.; Hashemi, S.; Naseer, Z.)

**Confidence exceeds compliance: Provider self-reported experience and confidence is discordant with measured adherence to Lachman examination principles.** (Slater, C.; Bogle, C.; Svoboda, S.; Peacock, T.)

**Does hybrid tibial fixation of bone-patellar tendon-bone ACL reconstruction improve knee stability compared to interference screw alone? A biomechanical study.** (Perraut, G.; Cunningham, B.; Kuenze, C.; Obiofuma, C.; Chang, E.; Gibbs, H.; Day, J.; Cherelstein, R.; Lucas, S.; Thiru, S.)

**Dorsal wrist spanning plate with distraction: A novel treatment approach for Kienbock's Disease.** (Heig, T.; Giladi, A.)

**Effects of posterior lumbar fusion on total knee arthroplasty survival.** (Quinonez, A.; Carroll, A.; Griffin, D.; Ferguson, J.; Burroughs, P.)

**Effects of second spine on muscle activity during leaning and repetitive lifting.** (Martelli, D.; Nnaji, C.; Woods, C.; Bezawada, H.; Vikas, V.)

**Exploring the incidence of immediate suicidality amongst hand surgery patients.** (Hum, R.)

**Golf-related outcomes following total joint arthroplasty: A prospective case series.** (McCormick, B.; Mitchell, A.; Boucher, H.; Griffin, J.; Cooper, J.; Kovacs, L.; Jenner, M.; Hasenauer, M.)

**Implant survival and complications following lower extremity limb salvage using a customized noninvasive expandable endoprosthesis.** (Burbank, K.; Henshaw, R.)

**Improved long-term pain and function with an infrapatellar approach following intramedullary nail fixation of tibial shaft fractures.** (Perraut, G.; Quigley, C.; Phillips, G.; Gaski, G.; Railey, J.; Panarello, N.; Ghidei, S.; Malekzadeh, S.)

**Limiting wound complications in spinal tumor surgery.** (Obiofuma, C.; Mesfin, A.)

**Long term functional outcomes following free anterolateral thigh flap with rolled fascia lata for Achilles tendon reconstruction.** (Ferdousian, S.; Attinger, C.; Snee, I.; Evans, K.; Li, K.; Currin, M.; Rohrich, R.; Youn, R.; Lin, R.; Lee, W.)

**Measurement of adhesion energy in osteochondral region using 3D-printed biomimetic collagen-hydroxyapatite bilayers.** (Alimperti, S.)

**Microvasculature of the distal fifth metatarsal following open versus percutaneous bunionette correction: A cadaveric micro-computed tomography analysis.** (Day, J.; Cunningham, B.; Brooks, D.; Behari, K.; Hembree, W.)

**Microvasculature of the first tarsometatarsal joint following open versus mislapidus bunionectomy: A cadaveric micro-computed tomography analysis.** (Joaquin, T.; Cunningham, B.; Brooks, D.; Day, J.; Hembree, W.)

**Pharmacogenomics of opioid consumption after anterior cruciate ligament reconstruction.** (Cox, R.)

**Percutaneous vertebral tether release.** (Obiofuma, C.)

**Pre-surgical prediction of post-operative opioid overuse in hand surgery patients.** (Hum, R.; Giladi, A.)

**The ERTL below-knee amputation technique improves gait function in nontraumatic amputees.** (Akaya, S.; Young, A.; Attinger, C.; Atves, J.; Steinberg, J.; Kishek, M.; Pham, N.; Rohrich, R.; Nagassa, R.; Youn, R.)

**Tripping across the finish: Delayed diagnosis of runner's dystonia in an elite runner.** (Druckenbrod, M.; Mushtaheed, A.; Roberts, A.; Ly, A.; Stowers, J.; Alter, K.; Lind, P.; Assefa, Y.)

## **Other Areas of Translational Research**

**A stent showdown: Which stent reigns supreme? Covered self-expandable metallic vs. multiple plastic stents for benign biliary strictures: A systematic review, meta-analysis, and trial sequential analysis.** (Nayfeh, T.; Majzoub, A.; Mousa, J.)

**Glucocorticoids modulate bone microvascular barrier function via Connexin43/MAPK pathway.** (Lialios, P.; Lee, E.; Curtis, M.; Alimperti, S.; Kim, Y.)

**Home infusion short course remdesivir for solid organ transplant patients with COVID-19.** (Nimgaonkar, A.; Demarco, G.; Kumar, R.)

**Imported drug-resistant non-typhoidal Salmonella: A serious threat for immunocompromised patients.** (Nimgaonkar, A.; Madedor, O.; Mohanraj, S.)

**Integrative analysis of miRNA and TCR-related gene dysregulation in autoimmune hepatitis.** (Bashiri, K.; Rabiee, A.; Davis, J.; Mattar, M.)

**What a Surgeon Wants, What a Surgeon Needs: Creating a Surgeon-Informed Clinical Decision Support App for a Risk Prediction Model.** (Hornick, M.; Talwar, A.; Deguchi, A.; Amro, C.; Fischer, J.; Voytik, M.; Broach, R.; Khan, S.; Gala, Z.)

## **Other Medical Specialties**

**A TIPS trap: CBD fistula leading to recurrent bacteremia.** (Khalaf, A.)

**A comparison of antipsychotic and non-antipsychotic use for delirium at MedStar Union Memorial Hospital (MUMH) and MedStar Good Samaritan Hospital (MGSH).** (Chiu, L.; Chilipko, A.; Naeem, G.; Wu, J.; Hall-Prear, J.)

**A cross-sectional study on the prevalence of spirometry-confirmed COPD diagnosis in a hospital-based population.** (Tolle, F.; Grove, D.; Hernandez, D.; Warfield, N.; Bitrus, R.; Yeboah-Kordieh, Y.)

**Advancing insights into esophageal granular cell tumors: A comprehensive case series.** (Zureikat, Q.; Abdulraheem, A.; Al-Dwairy, A.; Alzraikat, S.; Chalhoub, W.)

**An analysis of sociodemographic factors affecting follow-up colonoscopy in patients using multi-target stool DNA tests.** (Marshall, S.; Fong, A.; Kopera, A.; Antall, E.; Dibello, J.; Haddad, N.; Kanth, P.; Reddy, S.)

**An institutional review of upper endoscopy outcomes in patients taking glucagon-like peptide-1 receptor (GLP-1) agonists: No increased risk of aspiration or retained gastric contents.** (Milner, V.; Khalaf, A.; Zhou, A.; Jennings, J.; Atkinson, K.; Mathew, K.; Loughney, T.)

**Accuracy of point-of-care ultrasound fatty liver assessment performed by novice POCUS users.** (Madsen-Barbosa, T.; Weisman, D.; Poddar, E.; Chen, E.; Vij, R.)

**Anti-seizure medications for the treatment of auditory seizures secondary to glioblastoma.** (Sankoorikal, K.; Komlodi-Pasztor, E.; Patel, J.)

**Are adrenal incidentalomas being appropriately worked up?** (Saif, A.; Alghzawi, F.; Suboh, L.; Schroeder, P.; Luitel, R.)

**Beyond pseudomembranes: Deep colonic ulcers in clostridioides difficile infection.** (Irhayem, N.; Meighani, A.; Abujaber, B.; Alrejjal, K.)

**Brachial arterial catheterization usage and complications during liver transplant.** (Rodman, M.; Gilmore, B.; Acebal, C.; Guillian, J.; Marchi, L.; Xenophontos, M.; Jesus, M.; Kmiecik, S.)

**Clinical and serologic characteristics of anti-signal recognition particle immune-mediated necrotizing myopathy.** (Hall, A.; Baluch, A.; Adamson, J.; Lockwood, M.)

**Communication skills training for rehabilitation practitioners.** (Keyloun, B.; Fryd, A.; Henshaw, A.)

**Cytohistologic correlation of fine needle aspiration of basal cell adenoma of the salivary gland: A retrospective study of 6 cases.** (Aljuaid, R.; Zhao, P.)

**Diffuse lymphadenopathy with eosinophilic infiltration: An atypical presentation of eosinophilic granulomatosis with polyangiitis.** (Shao, J.)

**Direct immunofluorescence (DIF) microscopy of skin biopsies in children: A retrospective cohort study of 986 DIF studies.** (Garbanzos, C.; Todd, A.; Davis, D.; Rios-Duarte, J.; Lehman, J.)

**Effects of glucagon-like peptide-1 receptor agonists on procedural outcomes during EGD in a predominantly African American cohort: A retrospective study.** (Sabagh, A.; Abdulraheem, A.; Meighani, A.; Abujaber, B.; Almhamni, G.; Bashiri, K.; Afzal, U.)

**Effects of orthotic use on pain and injury in adult runners: A meta-analysis.**

(Shiffer, M.; Kheradi, A.; Benenati, B.; Quintero, T.)

**Endoscopic repair of Strasberg type E bile duct injury following laparoscopic cholecystectomy: An unconventional approach.**

(Abdulraheem, A.; Khouqeer, A.; Al-Dwairy, A.; Koomson, A.; Chalhoub, W.)

**Evaluating the implementation of a beta-lactam hypersensitivity pathway**

**protocol in a community hospital setting.** (Muhler, E.; Jenkosol, A.; Mccann, K.)

**Evaluation of a new early feeding protocol after percutaneous image-guided gastrostomy tube placement in inpatients: A retrospective review of safety**

**and efficacy.** (Sunna, S.; Zhou, A.; Field, D.; Smith, H.; Stoltzfus, L.; Good, M.)

**Exparel vs. Marcaine for donor site analgesia in atraumatic lower extremity**

**wound split-thickness skin grafting: Does neuropathy alter the pain equation?**

(Deleonibus, S.; Attinger, C.; Evans, K.; Shah, K.; Llauro, L.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

**Impact of GLP-1 receptor agonists on upper gastrointestinal endoscopy: An updated systematic review and meta-analysis.**

(Peppas, S.; Abdulraheem, A.; Abujaber, B.; Almhami, G.; Bashiri, K.; Ayers, L.; Altork, N.; Zureikat, Q.; Afzal, U.; Cho, W.)

**Incidence of venous thromboembolism (VTE) and hemorrhage in patients with bleeding disorders hospitalized for major surgery/ trauma: Analysis from**

**national inpatient sample.** (Gaddipati, G.; Mensah, B.; Mohebtash, M.; Bilalaga, M.; Kancharla, P.; Vasireddy, R.; Singh, S.)

**Isolated thrombocytopenia in an afebrile patient with malaria: A case report.**

(Stanton, H.; Bonifacio, E.; Campbell, J.; Roster, K.; Reyes, M.)

**Low counts, high stakes: Utility of a noninvasive hemoglobin monitor for**

**preoperative anemia detection.** (Martin, D.; Obiofuma, C.; Ferguson, J.; Talwar, P.; Verstraete, R.; Wall, R.; Postma, S.)

**Mass gathering medicine: Comparison of kickoff temperature to patient**

**presentation rates and transport to hospital rates.** (Sasser, J.; King, B.;

Huffman, S.)

**Metformin outcomes in diabetic patients diagnosed with primary biliary cholangitis: Retrospective cohort study.** (Abdulraheem, A.; Alomari, A.; Elsabagh, A.; Lewis, J.; Alomari, L.; Abureesh, O.; Abdel-Razeq, R.; Alfakhori, Z.)

**Navigating complications: A case of hemostatic clip-induced biliary obstruction leading to acute cholangitis.** (Mensah, B.; Al-Sabban, A.; Ali, F.)

**Novel approach to treatment of pulmonary cladosporium infection without the use of antifungals in an immunocompetent patient.** (Davis, H.; Anderson, E.; Francioni, H.; Asdjodi, S.; Chee, T.)

**Optimizing iron dextran infusion protocols to enhance efficiency and patient throughput in an outpatient infusion center: A process improvement initiative.** (Kang, M.; Verstraete, R.)

**Performance characteristics of jump forces and core stability in professional female lacrosse athletes.** (Hollenczer, E.; Rouse, J.; Rasinski, S.)

**Prevalence of serrated polyposis syndrome (SPS) in the MedStar Health system.** (Khin, Y.; Javaid, A.; Kanth, P.)

**Racial disparities in liver transplant outcomes over the last decade: Analysis from the STAR/UNOS database.** (Mensah, B.; Naqvi, H.; Obeidat, H.; Atarere, J.; Eid, K.; Vasireddy, R.; Singh, S.)

**Severe CMV esophagitis in a patient with advanced HIV.** (Kirti, I.)

**Short on time, big on impact: How quick provider feedback led to user-centered integration of clinical practice guidelines in the EHR.** (Bocknek, L.; Levin, B.; Andresen, K.; Goyal, M.; Mauck, N.; Pruitt, Z.)

**The silent spread: A case report on a rare complication of gonococcal infection.** (Boomsma, C.; Copeland, M.; Madedor, O.)

**Unusual presentation of myelin oligodendrocyte glycoprotein antibody associated autoimmune disease (MOGAD) with high CSF pleocytosis and isolated unilateral optic neuritis misdiagnosed as complex migraine: A case report.** (Serrano, E.; Malla, P.)

**Venous thromboembolism in patients with inflammatory bowel disease: An analysis by severity of illness using 2020 National Inpatient Sample Database.** (Mensah, B.; Gaddipati, G.; Naqvi, H.; Obeidat, H.; Eid, K.; Vasireddy, R.; Singh, S.; Baffoe-Bonnie, T.)

## **Other Surgical Specialties**

**Association of area deprivation index with visual outcomes in patients undergoing primary surgical repair of idiopathic, full-thickness macular hole.** (Shaw, B.; Do, B.; Ebert, J.; Huang, J.; Levinson, J.; Ali, M.; Aribindi, S.)

**A clot to handle: The prevalence and management of preoperative venous thrombosis in patients undergoing microsurgical free flap reconstruction.** (Rohrich, R.; Akbari, C.; Attinger, C.; Evans, K.; Li, K.; Fan, K.; Youn, R.; Lin, R.; Ferdousian, S.)

**A national trend analysis of primary targeted muscle reinnervation with below-knee amputation.** (Lava, C.; Attinger, C.; Kleiber, G.; Evans, K.; Fan, K.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

**Algorithm and outcomes of abdominal wall reconstruction using biologic mesh in solid organ transplant patients: A decade of experience.** (Singh, A.; Matsumoto, C.; Attinger, C.; Md, E.; Evans, K.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

**BMI and sex as predictors of anterolateral thigh free flap thickness for oral and oropharyngeal reconstructions.** (Chisolm, P.; Clementi, E.; Ibrahim, I.; Giurintano, J.; Vasandani, S.)

**Bariatric surgery reduces all-cause mortality in the obese population: A meta-analysis of long-term morbidity and mortality outcomes.** (Prindeze, N.; Azagury, D.; Bloomfield, G.; Jia, I.; Cunningham, M.; Chen, M.; Alimi, Y.)

**CAD and liver transplant.** (Chang, M.; Chung, C.; Kim, E.; Marchi, L.; Belden, O.; Shrikantham, S.)

**Characteristics and outcomes of patients with seroma formation following spinal flap reconstruction for complex spinal wounds.** (Shih, J.; Md, C.; Evans, K.; Rohrich, R.; Youn, R.; Lin, R.; Deleonibus, S.; Ferdousian, S.)

**Clostridium difficile induced coagulopathy: implications for microsurgery in the setting of limb salvage.** (Lee, W.; Junn, A.; Akbari, C.; Attinger, C.; Evans, K.; Li, K.; Fan, K.; Currin, M.; Rohrich, R.; Youn, R.; Azimi, R.; Lin, R.; Ferdousian, S.)

**Comparing patient-reported outcomes in limb-salvage amputation techniques and below the knee amputation in the chronic wound population.** (Carreras, J.; Attinger, C.; Chamaa, D.; Snee, I.; Atves, J.; Steinberg, J.; Evans, K.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

**Correlation between objective and subjective measures to achieve functional limb salvage.** (Allen, O.; Hu, A.; Attinger, C.; Shan, H.; Atves, J.; Shih, J.; Steinberg, J.; Evans, K.; Shah, K.; Llauro, L.; Currin, M.; Youn, R.; Shaikh, U.)

**Dedicated limb hospitalist improves perioperative outcomes in lower extremity reconstruction for atraumatic wounds.** (Ply, C.; Attinger, C.; Evans, K.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.; Li, W.)

**Dedicated verbal and written patient education improves patient adherence to prescribed VTE prophylaxis.** (Briggs, S.; King, M.)

**Diagnostic yield of diluted aqueous fluid analyzed with polymerase chain reaction testing in the work-up of infectious uveitis.** (Do, B.; Mathai, M.; Elsarrag, M.)

**Do GLP-1 medications influence lower extremity free tissue transfer outcomes in diabetic limb salvage patients? A 13-year retrospective review.** (Tobias, F.; Attinger, C.; Kulkarni, J.; Evans, K.; Fan, K.; Currin, M.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

**Endovascular intervention prior to lower extremity free tissue transfer provides effective and durable limb salvage in a 13-year analysis.** (Sharma, S.; Akbari, C.; Lava, C.; Attinger, C.; Yehualashet, E.; Rutland, J.; Evans, K.; Li, K.; Fan, K.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

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**Organ-sparing gallstone removal (OSGR): A new frontier in cholangioscopy for patients with biliary colic who defer surgery.** (Jain, N.; Marchalik, D.; Smirniotopoulos, J.; Fidelis, W.)

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**Predicting distal radius fracture burden: A slipperiness score model validation study.** (Snee, I.; Giladi, A.; Perla, K.)

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**Sexual function after combined native tissue vaginal repair and retropubic versus single-incision sling.** (Choi, J.; Matthews, C.; Rardin, C.; Iglesia, C.; Russell, G.; Kenton, K.; Gutman, R.)

**The impact of marijuana use on postoperative outcomes in reduction mammoplasty: Risks, complications, and considerations.** (Ferdousian, S.; Snee, I.; Fan, K.; Tom, L.; Greige, N.; Rohrich, R.; Parikh, R.; Lin, R.; Jabbour, S.; Baker, S.)

**The mental cost of limb loss: Psychiatric comorbidities are associated with poorer function after below-knee amputation, A LIMB-Q Analysis.** (Ply, C.; Attinger, C.; Tobias, F.; Tekalign, H.; Evans, K.; Fan, K.; Jones, L.; Rohrich, R.; Youn, R.; Lin, R.; Ferdousian, S.)

**The safety and efficacy of autologous platelet-rich plasma injection into meibomian glands for patients with severe dry eye disease and meibomian gland dysfunction.** (Liu, C.; Martinez, J.; Avaiya, K.; Joy, M.; Cremers, S.)

**The stent that stayed: A case of embedded CBD stent causing dual obstruction.** (Sahyoun, R.; Sankineni, A.; Thomas, D.; Schindelheim, J.; Gupta, V.)

**The broken leg phenomenon: What is the value of surgeon intuition in an era of algorithm-based risk calculators?** (Marwaha, J.)

**Understanding the prevalence of medial arterial calcification among complex reconstructive patients: Insights from a decade of experience at a tertiary limb salvage center.** (Rohrich, R.; Akbari, C.; Attinger, C.; Evans, K.; Li, K.; Fan, K.; Atkinson, K.; Episalla, N.; Youn, R.; Lin, R.; Ferdousian, S.)

**The utility of virtual surgical planning in facial feminizing surgery genioplasty techniques: a review of outcomes and proposal of algorithm.** (Alahmadi, S.; Singh, A.; Corral, G.; Bba, K.; Episalla, N.; Rohrich, R.; Lin, R.; Ferdousian, S.)

## **Pediatrics/Neonatology**

**Assessing food insecurity in pediatric patients: A needs assessment at an academic pediatric primary care clinic.** (Abraham, D.; Patel, A.; Rethy, J.; Odom, J.; Feller, M.; Agrawal, R.; Bavishi, S.; Wyand, S.)

**Early childhood insurance gaps as a social determinant of care utilization patterns at MedStar Health KIDS Mobile Medical Clinic (KMMC).** (Odom, J.; Rasmussen, C.; Agrawal, R.)

**Evaluation of a multi-sector collaborative training initiative to enhance pediatric provider referrals to WIC.** (Ganacias, K.; Rethy, J.)

**Examining the association between the prevalence of attention deficit hyperactivity disorder and family activities among children aged 3 to 5 years in the United States.** (Rana, A.; Chawla, E.)

**Gut-brain metabolomic pathways in infants with neonatal opioid withdrawal syndrome.** (Voulgaropoulos, L.; Wolfe, K.; Rubin, L.; Kaushal, S.)

**Health systems transformation: Universal food insecurity screening in the pediatric primary care setting.** (Rethy, J.; Agrawal, R.; Iqbal, Z.)

**Hyperkalemia as initial presentation for necrotizing enterocolitis in neonate.** (Foerst, E.; Kamholz, K.; Voulgaropoulos, L.; Clay, T.)

**Improving neonatal care in public hospitals in a middle-income country: The Kingdom of Jordan.** (Ramasethu, J.; Al-Khawaja, A.; Elmughrabi, M.; Khater, R.; Kaushal, S.; Baugh, T.; Halawani, Z.)

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**Improving neonatal MR imaging by coordination of care: A QI project improving MRI acquisition by coordination of care.** (Kaushal, S.; Lee, E.; Pergami, P.; Bean, R.)

**Liver transplantation in a two-month-old infant with diffuse hemangiomatosis and acute liver failure: A case report.** (Kleinman, E.; Kirkorian, A.; Cotton, C.; Gondolesi, G.; Hauser, G.; Eaton, M.; Yazigi, N.)

**Perspectives on WIC referrals in the District of Columbia: A qualitative study.** (Westby, T.; Rethy, J.; Ganacias, K.)

**Phenotypic and functional characterization of regulatory T cell subsets in pediatric autoimmune and alloimmune hepatitis.** (Ekong, U.)

**Postpartum depression screening in the NICU: A quality improvement initiative.** (Bithell, C.; Kamholz, K.; Saroop, S.)

**Relationship between hematocrit level and apnea/bradycardia/desaturation events following vaccination in NICU patients: A retrospective analysis.** (Delia, M.; Kamholz, K.)

**Screening for asthma and related environmental risks in a high-risk pediatric populations: A descriptive analysis of universal screening.** (Ganacias, K.; Rethy, J.)

**The effect of telemedicine on neonatal stabilization: A simulation-based study.** (Voulgaropoulos, L.; Hoy, D.; Germano, J.)

## **Social Science Research**

**Accessibility and availability of over-the-counter sexual health products in Washington, D.C. retail pharmacies.** (Visconti, A.; Char, C.; Ozisik, D.; Deale, E.)

**Bridging care gaps in the laundromat: Lessons learned from a laundromat-based health outreach organization.** (Mirabal-Beltran, R.; Rivera, A.; Hicks, K.)

**Mapping a caregiver's long journey in providing home-based care for two parents with dementia.** (Jonge, E.; Nakawombe, J.; Bangerter, L.)

**Neurology patient portal engagement: Socioeconomic disparities.** (Streicher, N.; Bhooshan, A.; Tabaie, A.; Blackall, L.; Messmer, M.; Okubagzi, P.; Podolsky, R.)

**Racial socialization as a moderator of Black parents' racism-based trauma symptoms, parenting behaviors, and young children's mental health.** (Coates, E.)