

CCS Publications

January 2023 – March 2023

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Cardiovascular Surgery

[Interstage Single Ventricle Heart Disease Infants Show Dysregulation in Multiple Metabolic Pathways: Targeted Metabolomics Analysis.](#)

Frank BS, Khailova L, Dekermanjian J, **Mitchell MB**, Morgan GJ, Twite M, Christians U, DiMaria MV, Klawitter J, Davidson JA. *JACC Adv.* 2023 Jan;2(1):100169. doi: 10.1016/j.jacadv.2022.100169. Epub 2023 Jan 27.

[Complement Cross Talks With H-K-ATPase to Upregulate Runx2 in Human Aortic Valve Interstitial Cells.](#)

Deng XS, Meng X, Fullerton D, **Stone M**, Iguidbashian J, **Jaggers J.** *J Surg Res.* 2023 Jun;286:118-126. doi: 10.1016/j.jss.2022.12.028. Epub 2023 Feb 21.

Dental

[Development of integrated electronic medical and dental record competencies and impact of training modalities.](#)

Puranik C, Slavik A, Pickett K, Dani A, Generalovich Z, Neveaux L, de Peralta T. *J Dent Educ.* 2023 Jan 30. doi: 10.1002/jdd.13175. Online ahead of print.

Dermatology

[Efficacy and safety of Oleogel-S10 \(birch triterpenes\) for epidermolysis bullosa: results from the phase III randomized double-blind phase of the EASE study.](#)

Kern JS, Sprecher E, Fernandez MF, Schauer F, Bodemer C, Cunningham T, Löwe S, Davis C, Sumeray M, **Bruckner AL**, Murrell DF; EASE investigators. *Br J Dermatol.* 2023 Jan 23;188(1):12-21. doi: 10.1093/bjd/ljac001.

[Consensus guidelines for diagnosis and management of anemia in epidermolysis bullosa.](#)

Liy-Wong C, Tarango C, Pope E, Coates T, **Bruckner AL**, Feinstein JA, Schwieger-Briel A, Hubbard LD, Jane C, Torres-Pradilla M, Zmazek M, Lara-Corrales I. *Orphanet J Rare Dis.* 2023 Feb 23;18(1):38. doi: 10.1186/s13023-022-02448-w.

[A scalable, GMP-compatible, autologous organotypic cell therapy for Dystrophic Epidermolysis Bullosa.](#)

Neumayer G, Torkelson JL, Li S, McCarthy K, Zhen HH, Vangipuram M, Jackow J, Rami A, Hansen C, Guo Z, Gaddam S, Pappalardo A, Li L, Cramer A, Roy KR, Nguyen TM, Tanabe K, McGrath PS, **Bruckner A**, Bilousova G, Roop D, Bailey I, Tang JY, Christiano A, Steinmetz LM, Wernig M, Oro AE. *bioRxiv.* 2023 Mar 1:2023.02.28.529447. doi: 10.1101/2023.02.28.529447. Preprint.

Neurosurgery

[Magnetic resonance imaging-guided stereotactic laser ablation therapy for the treatment of pediatric epilepsy: a retrospective multiinstitutional study.](#)

Arocho-Quinones EV, Lew SM, **Handler MH**, Tovar-Spinoza Z, Smyth MD, Bollo RJ, Donahue D, Perry MS, Levy M, Gonda D, Mangano FT, Kennedy BC, Storm PB, Price AV, Couture DE, Oluigbo C, Duhaime AC, Barnett GH, Muh CR, Sather MD, Fallah A, Wang AC, Bhatia S, Eastwood D, Tarima S, Graber S, Huckins S, Hafez D, Rumalla K, Bailey L, Shandley S, Roach

A, Alexander E, Jenkins W, Tsering D, Price G, Meola A, Evanoff W, Thompson EM, Brandmeir N; Pediatric Stereotactic Laser Ablation Workgroup. *J Neurosurg Pediatr.* 2023 Mar 3:1-14. doi: 10.3171/2022.12.PEDS22282. Online ahead of print.

[Uncertainty-Aware Deep Learning Classification of Adamantinomatous Craniopharyngioma from Preoperative MRI.](#)

Prince EW, Ghosh D, Görg C, **Hankinson TC.** *Diagnostics (Basel).* 2023 Mar 16;13(6):1132. doi: 10.3390/diagnostics13061132.

[Building consensus for the medical management of children with moderate and severe acute spinal cord injury: a modified Delphi study.](#)

CreveCoer TS, Alexiades NG, Bonfield CM, Brockmeyer DL, Browd SR, Chu J, Figaji AA, Groves ML, **Hankinson TC,** Harter DH, Hwang SW, Jea A, Kernie SG, Leonard JR, Martin JE, Oetgen ME, Powers AK, Rozzelle CJ, Skaggs DL, Strahle JM, Wellons JC, Vitale MG, Anderson RCE. *J Neurosurg Spine.* 2023 Mar 17:1-14. doi: 10.3171/2023.1.SPINE221188. Online ahead of print.

Ophthalmology

[Ophthalmic manifestations of ruptured arachnoid cysts in children.](#)

Mayeda MS, **Jung JL, McCourt EA,** Maloney JA, **Puente MA.** *J AAPOS.* 2023 Feb 25:S1091-8531(23)00052-6. doi: 10.1016/j.jaapos.2023.01.011. Online ahead of print

Orthopedics

[Prediction of Late Dysplasia Based on Ultrasound and Plain X-Ray at 6 Months.](#)

Salton RL, Carry PM, **Hadley-Miller N, Murphy-Zane MS,** Brazell C, Novais E, **Georgopoulos G.** *J Pediatr Orthop.* 2023 Feb 1;43(2):99-104. doi: 10.1097/BPO.0000000000002301. Epub 2022 Nov 28.

[Are Different Aged Youth Skiers and Snowboarders Experiencing Different Injury Characteristics?](#)

Chesler KC, **Howell DR,** Khodae M, Pierpoint LA, Comstock RD, **Provance AJ.** *Wilderness Environ Med.* 2023 Mar;34(1):45-54. doi: 10.1016/j.wem.2022.10.010. Epub 2023 Jan 5.

[Variability in Pain Management Practices for Pediatric Anterior Cruciate Ligament Reconstruction.](#)

Wagner KJ 3rd, Beck JJ, Carsen S, Crepeau AE, Cruz AI Jr, Ellis HB Jr, **Mayer SW,** Niu E, Pennock AT, Stinson ZS, **VandenBerg C,** Ellington MD. *J Pediatr Orthop.* 2023 Apr 1;43(4):e278-e283. doi: 10.1097/BPO.0000000000002344. Epub 2023 Jan 9.

[Age, Sex, and BMI Differences Related to Repairable Meniscal Tears in Pediatric and Adolescent Patients.](#)

Rohde MS, Shea KG, Dawson T 2nd, Heyworth BE, Milewski MD, Edmonds EW, Adsit E, Wilson PL; SCORE Group; **Albright J,** Algan S, Beck J, Bowen R, Brey J, Cardelia M, Clark C, Crepeau A, Edmonds EW, Ellington M, Ellis HB, Fabricant P, Frank J, Ganley T, Green D, Gupta A, Heyworth BE, Latz K, Mansour A, **Mayer S,** McKay S, Milewski M, Niu E, Pacicca D, Parikh S, **Rhodes J,** Saper M, Schmale G, Schmitz M, Shea K, Storer S, Wilson PL, Ellis HB. *Am J Sports Med.* 2023 Feb;51(2):389-397. doi: 10.1177/03635465221145939. Epub 2023 Jan 11.

[A Multifaceted Approach to Interpreting Reaction Time Deficits After Adolescent Concussion.](#)

Barnes A, Smulligan K, Wingerson MJ, Little C, Lugade V, **Wilson JC, Howell DR.** *J Athl Train.* 2023 Jan 27. doi: 10.4085/1062-6050-0566.22. Online ahead of print.

[The Reliability of the AO Spine Upper Cervical Classification System in Children: Results of a Multi-Center Study.](#)

O'Neill NP, Mo AZ, Miller PE, Glotzbecker MP, Li Y, Fletcher ND, Upasani VV, Riccio AI, Spence D, **Garg S**, Kregel W, Birch C, Hedequist DJ. *J Pediatr Orthop*. 2023 Apr 1;43(4):273-277. doi: 10.1097/BPO.0000000000002363. Epub 2023 Jan 30.

[Early physical activity after concussion is associated with sleep quality but not dizziness among adolescent athletes.](#)
Smulligan KL, Wingerson MJ, Little CC, **Wilson JC**, Howell DR. *J Sci Med Sport*. 2023 Feb 8:S1440-2440(23)00029-4. doi: 10.1016/j.jsams.2023.02.001. Online ahead of print.

[Change in quality of life, sleep, and physical activity during COVID-19: A longitudinal study of adolescent athletes.](#)
Wingerson MJ, Baugh CM, **Provance AJ**, **Armento A**, Walker GA, **Howell DR**. *J Athl Train*. 2023 Feb 24. doi: 10.4085/1062-6050-0529.22. Online ahead of print.

[Medical complications and health-related quality of life in complex pediatric spine deformities exceeding 100 degrees or treated by 3CO.](#)

Yankey KP, Owusu DN, Sackeyfio A, Wulff I, Duah HO, Gross LF, Lenke LG, Sponseller P, Shah S, **Erickson MA**, Sides B, Newton P, Bumpass D, Gupta M, Ravinsky R, Boachie-Adjei O; Fox Pediatric Spinal Deformity Study; FOCOS Research Group. *Spine Deform*. 2023 Feb 24. doi: 10.1007/s43390-023-00660-7. Online ahead of print.

[High healing rate of stable femoral condyle osteochondritis dissecans in young patients placed in a hinged knee brace locked in extension: a retrospective study.](#)

Gagliardi AG, Walker G, Dahab K, Pearce S, **Howell DR**, **Albright JC**. *J Pediatr Orthop B*. 2023 Mar 1;32(2):170-177. doi: 10.1097/BPB.0000000000001007. Epub 2023 Dec 15.

[Athlete Burnout Is Associated With Perceived Likelihood of Future Injury Among Healthy Adolescent Athletes.](#)

Seehusen CN, Howell DR, Potter MN, Walker GA, **Provance AJ**. *Clin Pediatr (Phila)*. 2023 Mar 12:99228231159085. doi: 10.1177/00099228231159085. Online ahead of print.

[Developmental dysplasia of the hip and ultrasound reading by pediatric orthopedic surgeons: a pilot study.](#)

Kwart A, Pacana M, Otsuka N, Piazza B, Armstrong D, **Shaw B**, S Segal L, Sorenson S, Fortuna K, Abzug J, Henrikus W. *J Pediatr Orthop B*. 2023 Mar 20. doi: 10.1097/BPB.0000000000001070. Online ahead of print.

Otolaryngology

[Novel candidate genes for cholesteatoma in chronic otitis media.](#)

Lee NK, Cass SP, Gubbels SP, Gomez HZ, **Scholes MA**, Jenkins HA, Santos-Cortez RLP. *Front Genet*. 2023 Jan 9;13:1033965. doi: 10.3389/fgene.2022.1033965. eCollection 2022.

[In Response to Tonsillectomy for Obstructive Sleep-Disordered Breathing: Should They Stay, or Could They Go?](#)

Friedman NR, Nguyen T. *Laryngoscope*. 2023 Feb 6. doi: 10.1002/lary.30596. Online ahead of print.

[In Reference to "Tonsillectomy for Obstructive Sleep-Disordered Breathing: Should They Stay, or Could They Go?"](#)

Friedman NR, Nguyen T, McLeod L. *Laryngoscope*. 2023 Mar 13. doi: 10.1002/lary.30650. Online ahead of print.

Pediatric & Adolescent Gynecology

[Use of the Levonorgestrel Intrauterine Device in an Adolescent with Type IV Vascular Ehlers-Danlos Syndrome and Heavy Menstrual Bleeding, a Case Report.](#)

Wilde M, Moyer G, **Huguelet PS**. *J Pediatr Adolesc Gynecol*. 2023 Feb 21:S1083-3188(23)00229-2. doi: 10.1016/j.jpag.2023.02.001. Online ahead of print.

[Management of Hematometra and Hematocolpos in Obstructive Mullerian Anomalies by Image-Guided Drainage with Interventional Radiology: A Multi-Institutional Case Series.](#)

Childress KJ, Williams AK, Somasundaram A, **Alaniz VI**, Chan SH, Gill AE. J Pediatr Adolesc Gynecol. 2023 Mar 4:S1083-3188(23)00277-2. doi: 10.1016/j.jpags.2023.02.006. Online ahead of print.

Pediatric Surgery

[Pediatric DUCT Score: A Highly Specific Predictive Model for Choledocholithiasis in Children.](#)

Ignacio RC Jr, Kelley-Quon LI, Ourshalimian S, Padilla BE, Jensen AR, Shew SB, Lofberg KM, Smith CA, **Roach JP**, Pandya SR, Russell KW, Wang K; Western Pediatric Surgery Research Consortium Choledocholithiasis Investigative Group. J Am Coll Surg. 2023 Feb 14. doi: 10.1097/XCS.0000000000000650. Online ahead of print.

[Pneumatosis Intestinalis in Children with Intestinal Failure: The Result of Intestinal Stress from Enteral Feeding?](#)

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[Surgical Management of Ulcerative Colitis in Children and Adolescents: A Systematic Review from the APSA Outcomes and Evidence-Based Practice Committee.](#)

Rentea RM, Renaud E, Ricca R, **Derderian C**, Englum B, Kawaguchi A, Gonzalez K, Speck KE, Villalona G, Kulaylat A, Wakeman D, Yousef Y, Rialon K, Somme S, Lucas D, Levene T, Chang H, Baerg J, **Acker S**, Fisher J, Kelley-Quon LI, Baird R, Beres AL; APSA Outcomes and Evidence-Based Practice Committee. J Pediatr Surg. 2023 Feb 21:S0022-3468(23)00162-8. doi: 10.1016/j.jpedsurg.2023.02.042. Online ahead of print.

[Using the Social Vulnerability Index to Examine Disparities in Surgical Pediatric Trauma Patients.](#)

Stevens J, Reppucci ML, Pickett K, **Acker S**, Carmichael H, Velopulos CG, **Bensard D**, Kulungowski A. J Surg Res. 2023 Mar 1;287:55-62. doi: 10.1016/j.jss.2023.01.013. Online ahead of print.

[Use of Prehospital Reverse Shock Index Times Glasgow Coma Scale to Identify Children who Require the Most Immediate Trauma Care.](#)

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Plastic Surgery

[Fusion of Lateral Calvarial Sutures on Volume-Rendered Computed Tomography Reconstructions in Patients With Known Craniosynostosis.](#)

Wilkinson CC, Belanger K, Elbadry R, Hoffman J, Ryan M, Stence NV, Graber SJ, Ridder T, Batista L, **French BM**. J Craniofac Surg. 2023 Mar 20. doi: 10.1097/SCS.00000000000009278. Online ahead of print.

Surgical Oncology

[The utility of intraoperative neuromonitoring in pediatric surgical oncology.](#)

Rich BS, Brown EG, Rothstein DH, Baertschiger RM, Jackson GA, **Roach JP**, Naik-Mathuria B, Tracy ET, Mattei P, Glick RD, Ehrlich PF, Aldrink JH, Rodeberg D, Lautz TB; American Pediatric Surgical Association (APSA) Cancer Committee. J Pediatr Surg. 2023 Feb 14:S0022-3468(23)00102-1. doi: 10.1016/j.jpedsurg.2023.02.003. Online ahead of print.

[Extended Lymph Node Sampling During Surgery for Pediatric Renal Tumors Concerning for Malignancy Does Not Increase Postoperative Complication Rates.](#)

Walker JP, Han DS, Nicklawsky A, Boxley P, Morrison J, Tonzi M, **Bruny J, Roach JP, Cost NG.** J Urol. 2023 Feb 23:101097JU0000000000003390. doi: 10.1097/JU.0000000000003390. Online ahead of print.

Transplant Surgery

[Acute Liver Failure in a Child With Adenovirus Detected by PCR in the Explanted Liver.](#)

Boster JM, Dominguez SR, Messacar K, **Adams M,** Weinberg A, Black JO, Feldman AG. Pediatrics. 2023 Feb 1;151(2):e2022059237. doi: 10.1542/peds.2022-059237.

[Postoperative fibrinolytic resistance is associated with early allograft dysfunction in liver transplantation: A prospective observational study.](#)

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Urology

[Vaginal Rhabdoid Tumor Presenting as Prenatal Lower Urinary Tract Obstruction and Vaginal Mass.](#)

Meier KM, Demedis J, Edwards M, **Cost NG.** Urology. 2023 Feb 1:S0090-4295(23)00070-5. doi: 10.1016/j.urology.2023.01.023. Online ahead of print.

[Ureteral Stent Placement Prior to Definitive Stone Treatment Is Associated With Higher Postoperative Emergency Department Visits and Opioid Prescriptions for Youth Having Ureteroscopy or Shock Wave Lithotripsy.](#)

Tasian GE, Maltenfort MG, **Rove K,** Ching CB, Ramachandra P, DeFoor B, Fernandez N, Forrest CB, Ellison JS. J Urol. 2023 Feb 22:101097JU0000000000003389. doi: 10.1097/JU.0000000000003389. Online ahead of print.

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[Anti-fibrotic effect of tocotrienols for bladder dysfunction due to partial bladder outlet obstruction.](#)

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[Management of the urological tract in children with anorectal malformations - a contemporary review.](#)

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