

Research Digest

VOLUME 2, ISSUE 3



In this issue of *Research Digest*, we proudly announce the publication of 49 new articles in peer-reviewed journals by Connecticut Children's investigators. These articles include original research, editorials, and educational manuscripts published by Connecticut Children's faculty and staff during the third quarter of fiscal year 2019 (April 1 – June 30, 2019).

Below, we highlight five articles and provide a complete roster of all publications during this time period. The roster is organized by the center/division/department of the first Connecticut Children's author to appear in the author list. Print copies of highlighted articles will be placed in physician lounges in the hospital and pushed on social media. Please join us in congratulating all authors on their outstanding work.

One of the highlighted articles was co-authored by Anna Vannucci, who is departing the Center for Behavioral Health to pursue her Ph.D. in psychology at Columbia University. During Anna's three-year tenure at Connecticut Children's, she co-authored 21 articles, including 10 as first author. We are grateful for her contributions, and wish her the best of luck in her future endeavors.

Glenn Flores, MD, FAAP
Chief Research Officer

Kathy Herbst, MS
Managing Editor

FROM THE CENTER FOR BEHAVIORAL HEALTH



Anna Vannucci Christine Ohannessian

Vannucci A, Ohannessian C. [Social media use subgroups differentially predict psychosocial well-being during early adolescence. *J Youth Adolesc.* 2019;48\(8\):1469-93.](https://www.ncbi.nlm.nih.gov/pubmed/31256313)

Ms. Anna Vannucci and **Dr. Christine Ohannessian** co-authored an article reporting results from a longitudinal survey study administered to 1,205 adolescents 11 to 14 years old who attended public middle schools in Connecticut and Massachusetts. They identified subgroups of adolescents based on social-media use at baseline to examine if these subgroups could predict psychosocial functioning at a six-month follow-up. Three subgroups were identified: high overall social-media use (8%), high Instagram/Snapchat use (53%), and low overall social-media use (39%). They found high social-media use predicted higher depressive and panic disorder symptoms, delinquent behaviors, and family conflict, and lower family/friend support, compared with the other two subgroups. High Instagram/Snapchat use predicted higher delinquent behaviors and anxiety-driven school avoidance, compared with the low social media subgroup, but also higher close friendship competence and friend support, compared with the high and low social media subgroups. In addition, hourly social media use across many apps predicts universally poor psychosocial functioning.

FROM THE CONNECTICUT CHILDREN'S SPECIALTY GROUP



Glenn Focht

[Walter HJ, Vernacchio L, Trudell EK, Bromberg J, Goodman E, Barton J, Young GJ, DeMaso DR, Focht G. Five-year outcomes of behavioral health integration in pediatric primary care. *Pediatrics*. 2019 Jun 11. doi: 10.1542/peds.2018-3243. \[Epub ahead of print\]](https://www.ncbi.nlm.nih.gov/pubmed/31186366)

Dr. Glenn Focht was senior author on an article published in *Pediatrics* which reported outcomes from a multi-component, trans-diagnostic, integrated behavior health (BH) model. The model, the Behavioral Health Integration Program (BHIP), was launched in a large pediatric primary-care network in Massachusetts. Intervention components included in-depth BH education, on-demand psychiatric consultation, operational support for integrated practice transformation, and on-site clinical BH service. Phase 1 study participants were the first 13 practices to enroll in BHIP and represented 105 primary-care providers serving ~114,000 patients. Over five years, BHIP was associated with increased BH integration, psychotherapy, and guideline-congruent medication prescriptions for anxiety/depression and attention-deficit/hyperactivity disorder. Total ambulatory BH spending increased by 8%, mainly attributed to task-shifting from specialty to primary care. Total emergency BH spending decreased by 19%. Providers reported high BH self-efficacy and professional satisfaction from BHIP participation. The authors concluded that these findings suggest that integration of BH can increase access to BH services while engendering provider confidence and satisfaction, and averting substantial increases in cost.

FROM THE DIVISIONS OF EMERGENCY MEDICINE, RADIOLOGY, AND GENERAL AND THORACIC SURGERY

[Malia L, Sturm JJ, Smith SR, Brown RT, Campbell B, Chicaiza H. Predictors for acute appendicitis in children. *Pediatr Emerg Care*. 2019 May 24. doi: 10.1097/PEC.0000000000001840. \[Epub ahead of print\]](https://www.ncbi.nlm.nih.gov/pubmed/31136455)

Drs. Laurie Malia, Jesse Sturm, Sharon Smith, Timothy Brown, Brendan Campbell, and Henry Chicaiza published results from their collaborative study which aimed to determine if specific ultrasound (US) and/or laboratory findings could predict appendicitis, as there can be a discrepancy as to whether a patient has clinical appendicitis, despite the appendix being visualized on US. Their prospective study included 762 children who presented to the emergency department with suspected appendicitis and whose appendix was visualized on US. Diagnosis was confirmed by surgical pathology. An appendix diameter ≥ 7 mm (OR 12.4; 95% CI, 4.7-32.7), presence of an appendicolith (OR 3.9; 95% CI, 1.5-10.3), inflammatory changes (OR 10.2; 95% CI, 3.9-26.1), and a white blood cell count $>10,000/\mu\text{L}$ (OR 4.8; 95% CI, 2.4-9.7) were associated with greater odds of appendicitis, whereas abdominal pain for ≥ 3 days was associated with lower appendicitis odds (OR 0.3; 95% CI, 0.08-0.99). This information may be helpful to clinicians when evaluating children for appendicitis, and may facilitate development of a diagnostic scoring system.



Laurie Malia



Jesse Sturm



Sharon Smith



Timothy Brown



Brendan Campbell



Henry Chicaiza

FROM THE INJURY PREVENTION CENTER



Amy Hunter



Susan DiVietro

Hunter AA, DiVietro S, Schwab-Reese L, Riffon M. [An epidemiologic examination of perpetrators of fatal child maltreatment using the National Violent Death Reporting System \(NVDRS\). https://www.ncbi.nlm.nih.gov/pubmed/31185785. *J Interpers Violence*. 2019 Jun 11. doi: 10.1177/0886260519851787. \[Epub ahead of print\]](https://www.ncbi.nlm.nih.gov/pubmed/31185785)

In the *Journal of Interpersonal Violence*, **Drs. Amy Hunter** and **Susan DiVietro** reported findings of their NVDRS analysis of perpetrators of fatal child maltreatment. In this retrospective observational cohort study, they examined the relationship between perpetrator characteristics and three primary forms of fatal child maltreatment: neonaticide, infanticide, and filicide. Between 2011 and 2015, 1,023 maltreatment-related deaths were reported in children 0-10 years old. Filicide (63%) and infanticide (35%) were the leading forms of fatality. Victims were most often <5 years old, male, Caucasian, and non-Latino. Perpetrators were most often male (58%) and the parent of the child victim (53%). Intimate partners of parents comprised 22% of perpetrators, and were nearly five times more likely than parents to commit filicide than infanticide. The odds of fatal child maltreatment were modified by perpetrator age, sex, and relationship to the victim. These results underscore the need for male-focused interventions and research examining the etiology of violence against children perpetrated by intimate partners of parents.

FROM THE DIVISION OF NEPHROLOGY



Ian Macumber

Macumber I, Flynn JT. [Does treatment-resistant hypertension exist in children? A review of the evidence. https://www.ncbi.nlm.nih.gov/pubmed/31147776. *Pediatr Nephrol*. 2019 May 30. doi: 10.1007/s00467-019-04268-w. \[Epub ahead of print\]](https://www.ncbi.nlm.nih.gov/pubmed/31147776)

Dr. Ian Macumber was lead author of an article on treatment-resistant hypertension (TRH) in children. Although adult diagnosis and treatment guidelines for TRH exist, this condition in the pediatric population is still under debate. TRH in adults is defined as hypertension not controlled on three antihypertensive agents or well-controlled on four or more agents. As diuretics were not considered first-line medications for hypertension management in pediatric patients until 2017, the authors argue that the term “apparent resistant hypertension of childhood” (ARHC) is more appropriate. Additionally, most ARHC cases reported in the literature are case studies of children with undiagnosed secondary causes where hypertension was manageable after the secondary cause was treated. The authors’ proposed treatment algorithm for children with ARHC is to 1) assess medication adherence, discontinue use of interfering drugs/substances, and perform 24-hour blood pressure monitoring; 2) assess for undiagnosed secondary hypertension; and 3) manage via treatment of secondary causes, switching to more effective medications, or adding third- or fourth-line medications. The authors called for further research to better describe ARCH etiologies and to evaluate for optimal treatment approaches.

2019 THIRD QUARTER PUBLICATIONS

(ORGANIZED BY THE CENTER/DIVISION/DEPARTMENT OF THE FIRST CONNECTICUT CHILDREN'S AUTHOR TO APPEAR IN AUTHORSHIP ORDER)

ASTHMA CENTER

1. **Hollenbach JP**, Kuo CL, Mu J, Gerrard M, Gherlone N, Sylvester F, Ojukwu M, **Cloutier MM**. Hair cortisol, perceived stress, and social support in mother-child dyads living in an urban neighborhood. *Stress*. 2019;23:1-8.

CENTER FOR BEHAVIORAL HEALTH

2. **Ohannessian C, Vannucci A**. A closer examination of the temporal relationship between self-competence and depressive symptoms during early adolescence. *J Early Adolesc*. 2019 May 17. doi.org/10.1177/0272431619847527. [Epub ahead of print]
3. **Klinck M, Vannucci A, Ohannessian CM**. Bidirectional relationships between school connectedness and internalizing symptoms during early adolescence. *J Early Adolesc*. 2019 June 27. doi.org/10.1177/0272431619858401. [Epub ahead of print]
4. **Vannucci A, Ohannessian C**. Social media use subgroups differentially predict psychosocial well-being during early adolescence. *J Youth Adolesc*. 2019;48(8):1469-93.

DIVISION OF CARDIOLOGY

5. Doan TT, **Wang A, Davey B, Upadhyay S, Toro-Salazar O**. Two cases of a prenatally diagnosed double aortic arch with postnatal obliteration of the distal left aortic arch. *Pediatr Cardiol*. 2019 Jun 24. doi: 10.1007/s00246-019-02141-z. [Epub ahead of print]

OFFICE FOR COMMUNITY CHILD HEALTH

6. Garg A, Homer CJ, **Dworkin PH**. Addressing social determinants of health: challenges and opportunities in a value-based model. *Pediatrics*. 2019;143(4). pii: e20182355.

CONNECTICUT CHILDREN'S SPECIALTY GROUP

7. Walter HJ, Vernacchio L, Trudell EK, Bromberg J, Goodman E, Barton J, Young GJ, DeMaso DR, **Focht G**. Five-year outcomes of behavioral health integration in pediatric primary care. *Pediatrics*. 2019 Jun 11. doi: 10.1542/peds.2018-3243. [Epub ahead of print]

DIVISION OF CRITICAL CARE

8. Shein SL, Karam O, Beardsley A, Karsies T, Prentice E, Tarquinio KM, Willson DF; **Pediatric Acute Lung Injury and Sepsis Investigator (PALISI) Network**. Development of an antibiotic guideline for children with suspected ventilator-associated infections. *Pediatr Crit Care Med*. 2019 Apr 5. doi: 10.1097/PCC.0000000000001942. [Epub ahead of print]

DIVISION OF DIGESTIVE DISEASE, HEPATOLOGY AND NUTRITION

9. Nicholson MR, Mitchell PD, Alexander E, Ballal S, Bartlett M, Becker P, **Davidovics Z**, Docktor M, Dole M, Felix G, Gisser J, Hourigan SK, Jensen MK, Kaplan JL, Kelsen J, Kennedy M, Khanna S, Knackstedt E, Leier M, Lewis J, Lodarek A, Michail S, Oliva-Hemker M, Patton T, Queliza K, Russell GH, Singh N, Solomon A, Suskind DL, Werlin S, Kellermayer R, Kahn SA. Efficacy of fecal microbiota transplantation for clostridium difficile infection in children. *Clin Gastroenterol Hepatol*. 2019 Apr 19. doi: 10.1016/j.cgh.2019.04.037. [Epub ahead of print]
10. Cozijnsen MA, Ben Shoham A, Kang B, Choe BH, Choe YH, Jongsma MM, Russell RK, Ruemmele FM, Escher JC, de Ridder L, Koletzko S, Martín-de-Carpi J, **Hyams J**, Walters T, Griffiths A, Turner D. Development and validation of the mucosal inflammation non-invasive index for pediatric Crohn's disease. *Clin Gastroenterol Hepatol*. 2019 Apr 10. doi: 10.1016/j.cgh.2019.04.012. [Epub ahead of print]
11. Turner D, Griffiths AM, Wilson D, Mould DR, Baldassano RN, Russell RK, Dubinsky M, Heyman MB, de Ridder L, **Hyams J**, Martin de Carpi J, Conklin L, Faubion WA, Koletzko S, Bousvaros A, Ruemmele FM. Designing clinical trials in paediatric inflammatory bowel diseases: a PIBDnet commentary. *Gut*. 2019 Apr 12. doi: 10.1136/gutjnl-2018-317987. [Epub ahead of print]

DIVISION OF DIGESTIVE DISEASE, HEPATOLOGY AND NUTRITION (*continued*)

12. **Mokha JS, Davidovics ZH, Maas K, Caimano MJ, Matson A.** Fecal microbiomes in premature infants with and without parenteral nutrition-associated cholestasis. *J Pediatr Gastroenterol Nutr.* 2019 Apr 15. doi: 10.1097/MPG.0000000000002352. [Epub ahead of print]
13. Wu J, Lubman DM, Kugathasan S, Denson LA, **Hyams JS**, Dubinsky MC, Griffiths AM, Baldassano RN, Noe JD, Rabizadeh S, Gulati AS, Rosh JR, Crandall WV, Higgins PDR, Stidham RW. Serum protein biomarkers of fibrosis aid in risk stratification of future stricturing complications in pediatric Crohn's disease. *Am J Gastroenterol.* 2019;114(5):777-785.
14. Tokarz R, **Hyams JS**, Mack DR, Boyle B, Griffiths AM, LeLeiko NS, Sauer CG, Shah S, Markowitz J, Baker SS, Rosh J, Baldassano RN, Kugathasan S, Walters T, Tagliaferro T, Sameroff S, Lee B, Che X, Oleynik A, Denson LA, Lipkin WI. Characterization of stool virome in children newly diagnosed with moderate to severe ulcerative colitis. *Inflamm Bowel Dis.* 2019 May 21. doi: 10.1093/ibd/izz099. [Epub ahead of print]
15. Ho SM, Lewis JD, Mayer EA, Plevy SE, Chuang E, Rappaport SM, Croitoru K, Korzenik JR, Krischer J, **Hyams JS**, Judson R, Kellis M, Jerrett M, Miller GW, Grant ML, Shtraizent N, Honig G, Hurtado-Lorenzo A, Wu GD. Challenges in IBD research: environmental triggers. *Inflamm Bowel Dis.* 2019;25(Supplement 2):S13-S23.

DIVISION OF ELITE SPORTS MEDICINE

16. Sarkisova N, Smith R, VandenBerg C, **Pace JL**, Goldstein RY. Access to physical therapy for pediatric and adolescent patients following orthopedic surgery. *Glob Pediatr Health.* 2019 May 12. doi: 10.1177/2333794X19848676. eCollection 2019.

DIVISION OF EMERGENCY MEDICINE

17. **Malia L, Sturm JJ, Smith SR, Brown RT, Campbell B, Chicaiza H.** Predictors for acute appendicitis in children. *Pediatr Emerg Care.* 2019 May 24. doi: 10.1097/PEC.0000000000001840. [Epub ahead of print]

DIVISION OF ENDOCRINOLOGY AND DIABETES

18. **Germain-Lee EL.** Management of pseudohypoparathyroidism. *Curr Opin Pediatr.* 2019 May 28. doi: 10.1097/MOP.0000000000000783. [Epub ahead of print]

DIVISION OF GENERAL AND THORACIC SURGERY

19. Rosenfeld EH, Vogel AM, Jafri M, Burd R, Russell R, Beaudin M, Sandler A, Thakkar R, Falcone RA Jr, Wills H, Upperman J, Burke RV, Escobar MA Jr, Klinkner DB, Gaines BA, Gosain A, **Campbell BT**, Mooney D, Stallion A, Fenton SJ, Prince JM, Juang D, Kreykes N, Naik-Mathuria BJ. Management and outcomes of peripancreatic fluid collections and pseudocysts following non-operative management of pancreatic injuries in children. *Pediatr Surg Int.* 2019 Jun 3. doi: 10.1007/s00383-019-04492-3. [Epub ahead of print]

DIVISION OF HEMATOLOGY/ONCOLOGY

20. Bailey K, Cost C, Davis I, Glade-Bender J, Grohar P, Houghton P, **Isakoff M**, Stewart E, Laack N, Yustein J, Reed D, Janeway K, Gorlick R, Lessnick S, DuBois S, Hingorani P. Emerging novel agents for patients with advanced Ewing sarcoma: a report from the Children's Oncology Group (COG) New Agents for Ewing Sarcoma Task Force. *F1000Res.* 2019 Apr 15. doi: 10.12688/f1000research.18139.1. eCollection 2019.
21. Kenney LB, Ames B, Margossian R, **Moss K**, Michaud AL, Williams DN, Nohria A. Regional practice norms for the care of childhood cancer survivors at risk for cardiomyopathy: A Delphi study. *Pediatr Blood Cancer.* 2019 May 31. doi: 10.1002/pbc.27868. [Epub ahead of print]

DIVISION OF INFECTIOUS DISEASE AND IMMUNOLOGY

22. Cervantes JL, Oak E, Garcia J, Liu H, Lorenzini PA, Batra D, Chhabra A, **Salazar JC**, Roca X. Vitamin D modulates human macrophage response to mycobacterium tuberculosis DNA. *Tuberculosis (Edinb).* 2019 May 3. doi: 10.1016/j.tube.2019.04.021. [Epub ahead of print]
23. **Ryan JM, Feder HM.** Dog licks baby. Baby gets *Pasteurella multocida* meningitis. *Lancet.* 2019;393(10186):e41.

INJURY PREVENTION CENTER

24. **Hunter AA**, Bernstein B. Identification of child maltreatment-related emergency department visits in Connecticut, 2011 to 2014. *Clin Pediatr (Phila)*. 2019 May 1. doi: 10.1177/0009922819845895. [Epub ahead of print]
25. Bentivegna K, Durante A, **Livingston N, Hunter AA**. Child sexual abuse identified in emergency departments using ICD-9-CM, 2011 to 2014. *J Emerg Med*. 2019 Apr 22. doi: 10.1016/j.jemermed.2019.03.022. [Epub ahead of print]
26. **Grasso DJ, DiVietro S, Beebe R, Clough M, Lapidus G**. Quantifying severity of maltreatment, adversity, and trauma from child protective services case record files. *J Interpers Violence*. 2019 May 16. doi: 10.1177/0886260519847774. [Epub ahead of print]
27. **Hunter AA, DiVietro S**, Schwab-Reese L, Riffon M. An epidemiologic examination of perpetrators of fatal child maltreatment using the National Violent Death Reporting System (NVDRS). *J Interpers Violence*. 2019 Jun 11. doi: 10.1177/0886260519851787. [Epub ahead of print]

DIVISION OF NEONATAL-PERINATAL MEDICINE

28. Anderson EJ, DeVincenzo JP, Simões EAF, Krilov LR, Forbes ML, Pannaraj PS, Espinosa CM, Welliver RC, **Wolkoff LI**, Yogev R, Checchia PA, Domachowske JB, Halasa N, McBride SJ, Kumar VR, McLaurin KK, Rizzo CP, Ambrose CS. SENTINEL1: Two-season study of respiratory syncytial virus hospitalizations among U.S. infants born at 29 to 35 weeks' gestational age not receiving immunoprophylaxis. *Am J Perinatol*. 2019 Apr 16. doi: 10.1055/s-0039-1681014. [Epub ahead of print]
29. Townsel C, Covault JM, **Hussain N**, Oncken C, Nold C, Campbell WA. Placental aromatase expression decreased in severe neonatal opioid withdrawal syndrome. *J Matern Fetal Neonatal Med*. 2019;15:1-7.
30. Penny F, Judge M, **Brownell EA**, McGrath JM. International board certified lactation consultants' practices regarding supplemental feeding methods for breastfed infants. *J Hum Lact*. 2019 Apr 19. doi: 10.1177/0890334419835744. [Epub ahead of print]
31. **Hagadorn JI**, Shaffer ML. Hierarchical data structures and multilevel modeling. *J Pediatr*. 2019 Jun 28. doi: 10.1016/j.jpeds.2019.05.042. [Epub ahead of print]
32. Mintzer JP, **Moore JE**. Regional tissue oxygenation monitoring in the neonatal intensive care unit: evidence for clinical strategies and future directions. *Pediatr Res*. 2019 Jun 27. doi: 10.1038/s41390-019-0466-9. [Epub ahead of print]

DIVISION OF NEPHROLOGY

33. **Macumber I**, Flynn JT. Does treatment-resistant hypertension exist in children? A review of the evidence. *Pediatr Nephrol*. 2019 May 30. doi: 10.1007/s00467-019-04268-w. [Epub ahead of print]

DIVISION OF NEUROLOGY

34. **Graf WD**. Exome sequencing and molecular diagnosis. *Dtsch Arztebl Int*. 2019;116(12):195-196.

DIVISION OF NEUROSURGERY

35. LoPresti M, Lam S, Orrico K, Browd SR, Ellenbogen RG, **Martin J**. Advocacy in pediatric neurosurgery: results from a 2017 survey of the American Society of Pediatric Neurosurgeons. *J Neurosurg Pediatr*. 2019 Jun 28. doi: 10.3171/2019.4.PEDS1911. [Epub ahead of print]

DEPARTMENT OF NURSING RESEARCH

36. Hornor G, Quinones SG, Bretl D, **Courtney AB**, Herendeen PA, Lewin L, Loyke JA, Morris K, Schapiro NA, Williams S. Commercial sexual exploitation of children: an update for the forensic nurse. *J Forensic Nurs*. 2019;15(2):93-102.
37. **Makris NM**, Vittner D, Samra HA, McGrath JM. The PREEMI as a measure of parent engagement in the NICU. *Appl Nurs Res*. 2019;47:24-28.
38. **Hinderer KA**, Lee MC. Chinese Americans' attitudes toward advance directives: an assessment of outcomes based on a nursing-led intervention. *Appl Nurs Res*. 2019 May 11. doi: 10.1016/j.apnr.2019.04.003. [Epub ahead of print]
39. Moore A, **Meucci J**, McGrath J. Attributes of a successful clinical ladder program for nurses: an integrative review. *Worldviews Evid Based Nurs*. 2019 May 31. doi: 10.1111/wvn.12371. [Epub ahead of print]

DIVISION OF ORTHOPAEDIC SURGERY

40. Boyer E, Igeta Y, Facca S, **Xavier F**, Liverneaux P, Prunières G. Surgical treatment of phlegmons of the digital flexor tendon sheaths at the early stage: lavage by conventional open technique versus ultrasound-guided percutaneous technique. *Ann Chir Plast Esthet*. 2019 May 18. doi: 10.1016/j.anplas.2019.04.007. [Epub ahead of print]
41. Sapa MC, Sagot JC, Touvenot G, **Xavier F**, Hidalgo Diaz JJ, Facca S, Zaré M, Liverneaux P. Comparison of tactile sensitivity measured with a new digital esthesiometer (Beam Test) relative to Semmes-Weinstein monofilament analog esthesiometer. *Hand Surg Rehabil*. 2019 Jun 26. doi: 10.1016/j.hansur.2019.06.003. [Epub ahead of print]

DIVISION OF OTOLARYNGOLOGY

42. Hron TA, **Kavanagh KR**, Murray N. Diagnosis and treatment of benign pediatric lesions. *Otolaryngol Clin North Am*. 2019 May 11. doi: 10.1016/j.otc.2019.03.010. [Epub ahead of print]

DIVISION OF PULMONARY MEDICINE

43. Murray TS, O'Rourke TK Jr, Feinn R, **Drapeau G, Collins MS**. Nebulizer cleaning and disinfection practices in families with cystic fibrosis: The relationship between attitudes, practice and microbe colonization. *J Cyst Fibros*. 2019 May 21. doi: 10.1016/j.jcf.2019.05.008. [Epub ahead of print]

DEPARTMENT OF RESEARCH

44. Harris J, **Frazier W**, Fleming-Milici F, Hubert P, Rodriguez-Arauz G, Grier S, Appiah O. A qualitative assessment of US Black and Latino adolescents' attitudes about targeted marketing of unhealthy food and beverages. *J Child Media*. 28 Apr 2019. doi.org/10.1080/17482798.2019.1604394 [Epub ahead of print]
45. **Flores G**, Mendoza FS, DeBaun MR, Fuentes-Afflick E, Jones VF, Mendoza JA, Raphael JL, Wang CJ. Keys to academic success for under-represented minority young investigators: recommendations from the Research in Academic Pediatrics Initiative on Diversity (RAPID) National Advisory Committee. *Int J Equity Health*. 2019;18(1):93.

DIVISION OF RHEUMATOLOGY

46. Pardeo M, Wang J, Ruperto N, Alexeeva E, Chasnyk V, Schneider R, Horneff G, Huppertz HI, Minden K, Onel K, **Zemel L**, Martin A, Koné-Paut I, Siamopoulou-Mavridou A, Silva CA, Porter-Brown B, Bharucha KN, Brunner HI, De Benedetti F; Paediatric Rheumatology International Trials Organisation (PRINTO) and the Pediatric Rheumatology Collaborative Study Group (PRCSG) . Neutropenia during tocilizumab treatment is not associated with infection risk in systemic or polyarticular-course juvenile idiopathic arthritis. *J Rheumatol*. 2019 Mar 1. doi: 10.3899/jrheum.180795. [Epub ahead of print]

DIVISION OF UROLOGY

47. Kaefer M, Castagnetti M, **Herbst K**, Bagli D, Beckers GMA, Harper L, Kalfa N, Fossum M; ESPU Research Committee. Evidence-based medicine III: level of evidence. *J Pediatr Urol*. 2019 Apr 24. doi: 10.1016/j.jpuro.2019.04.012. [Epub ahead of print]
48. Castagnetti M, **Herbst KW**, Esposito C. Current treatment of pediatric bladder and prostate rhabdomyosarcoma (bladder preserving vs. radical cystectomy). *Curr Opin Urol*. 2019 Jun 10. doi: 10.1097/MOU.0000000000000651. [Epub ahead of print]
49. Beckers GMA, **Herbst K**, Kaefer M, Harper L, Castagnetti M, Bagli D, Kalfa N, Fossum M; ESPU Research Committee. Evidence-based medicine IV: how to find an evidence-based answer to a clinical question? Make a critically appraised topic! *J Pediatr Urol*. 2019 May 14. doi: 10.1016/j.jpuro.2019.05.009. [Epub ahead of print]

ERRATUM RESEARCH DIGEST ISSUE 6:

Unfortunately, our method of identifying institutional publications is not infallible. We extend our apologies to the authors of the following articles, which were inadvertently omitted from last issue's publication roster.

Hayes D, Wilson KC, Krivchenia K, Hawkins SMM, Balfour-Lynn IM, Gozal D, Panitch HB, Splaingard ML, Rhein ML, Kurland G, Abman SH, Hoffman TM, **Carroll CL**, Cataletto ME, Tumin D, Oren E, Martin RJ, Baker J, Porta G, Kaley D, Gettys A, Deterding R. Home oxygen therapy for children: An official American Thoracic Society clinical practice guideline. *Am J Resp Crit Care Med* 2019; 199(3):e5-23.

Lucas R, **Bernier K, Perry M**, Evans H, Rames, D, Young E, Walsh S, Starkweather A. Promoting self-management of breast and nipple pain in breastfeeding women: Protocol of a pilot randomized controlled trial. *Res Nurs Health*. 2019; 42(3):176-188.