

Scientific publications and presentations



2018 publications

2018

Murdaugh D., Ono K.E., Morris S., Burns T.G. (2018). Effects of developmental age on symptom reporting and neurocognitive performance in youth after sports-related concussion compared to control athletes.

Murdaugh D., Ono K.E., Reisner A., Burns T.G. (2018). Assessment of sleep quantity and sleep disturbances during recovery from sports-related concussion in young athletes. Archives of Physical Medicine and Rehabilitation.

Reisner A., Burns T.G., Hall L.B., Jain S., Weselman B.C., DeGrauw T.J., Ono K.E., Blackwell L.S., Chern J.J. (2017). Quality improvement in concussion care: influence of guideline-based education. The Journal of Pediatrics, 2017 May; 184:26-31. Doi: 10.1016/j.jpeds.2017.01.045. Epub Feb. 21, 2017. PMID: 28233546

May K., Marshall D., Burns T.G., Popoli D., Polikandriotis J.A. Pediatric sports specific return to play guidelines following concussion. International Journal of Sports Physical Therapy, 9(2), pp. 242-255.

Popoli D., Burns T.G., Meehan W.P., Reisner A. CHOA concussion consensus: establishing a uniform policy for academic accommodations. Clinical Pediatrics. 2014 Mar; 53(3):217-24. doi: 10.1177/0009922813499070. Epub Aug. 19, 2013.

Reisner A., Tillman N., Cole L., Atkins E., Pereira G., Thacher M. Concussion in children. Neuro Update Vol 5, Issue 1, 2011.

Burns T.G., Yosick R. (2012). Book Review: Kirkwood M.W. Yeates K.O. (2012). Mild traumatic brain injury in children and adolescents: from basic science to clinical management. New York, N.Y. The Guilford Press. Applied Neuropsychology: Child, 2(1), pp.78-79.

Arenivas A., Burns T.G. (2012). Recent trends in pediatric and adolescent concussion: how to diagnose and treat this condition. Book Review: Apps J.N., Walter K.D. (Eds). (2012). Pediatric and Adolescent Concussion: Diagnosis, Management, and Outcomes. New York: Springer. The Clinical Neuropsychologist, 1-3.

American Academy of Pediatrics. Point of care quick reference: head injuries. Pediatric Care Online.

Atabaki S.M. Pediatric head injury. Pediatrics in Review. 2007 June; 28(6): 215-24.
Bin S.S., Schutzman S.A., Greenes D.S. Validation of a clinical score to predict skull fracture in head injured infants. Ped Emer Care 26 (9) September 2010: 633-639.

Brody A.S., Frush D.P., Brent R.L. (2007). Radiation risk to children from computed tomography. PED 120(3) September 2007; 677-682.

Centers for Disease Control and Prevention. Heads up: concussion in youth sports.

Hall E.J. (2002). Lessons we have learned from our children: cancer risks from diagnostic radiology. Pediatr Rad (2002)32:700-706.

Kluger J. (2011, January 31). Headbanger nation. Time, 177, 42-51.

Kupperman N. et al. (2009). Identification of children at very low risk of clinically important brain injuries after head trauma: a prospective cohort. Lancet 2009: 374:1160-70.

Palchak M.J. et al. A decision rule for identifying children at low risk for brain injuries after blunt head trauma. Ann Emer Med October 2003: 42:4; 492-506.

Palchak M.J. et al. (2004). Does an isolated history of low of consciousness or amnesia predict brain injuries in children after blunt head trauma? PED 113:6; June 2004; e507-513.

Anderson P. (2010, September 10). New guidance on management of increasing problem of sports-related concussions in children. Medscape Medical News.

Practice guidelines: the management of minor closed head injury in children. PED 1998; 104; 6:1407-1415.

Schnadower D. et al. (2007). Controversies in the evaluation and management of minor blunt head trauma in children. Curr Opin Ped 2007; 19:258-264.

Schutzman S.A. et al. (2001). Evaluation and management of children younger than two years old with apparently minor head trauma: proposed guidelines. PED 107(5) May 2001 983-993.

2012-2017 presentations

2012

Tillman N., Walson K., Burns T.G., Petrillo T., Vats A., Reisner A., Atkins E., Cochran C. Severe TBI outcomes associated with implementation of comprehensive guidelines in a children's hospital. Society for Critical Care Medicine. 41st Critical Care Congress, Feb. 4, 2012

Reisner A. Pediatric neurosurgery. New Horizons in Pediatrics. Children's Healthcare of Atlanta and the Department of Pediatrics at Emory University Neurosurgery, Intercontinental Hotel, Buckhead, Atlanta, Ga., April 14 and April 15, 2012.

Reisner A., Marshall D. Management of Concussion. Children's Hospital of Atlanta, Forsyth County, Atlanta, Ga. May 17, 2012.

Reisner A. Head Injury in Children. Regional Respiratory Therapist Conference, Atlanta, Ga., Respiratory, Oct. 12, 2012.

Reisner, A. Head Injury in Children. Pediatric meeting. WellStar Cobb, Nov. 15, 2012.

Gary M.F., Reisner A., Chern J.C., Kebriaei M., Grattan-Smith D. Spinal cord infarction following minor trauma in children. Fibrocartilaginous embolism as a putative cause: GA Neurosurgery Society, Nov. 17, 2012.

Gary M.F., Reisner A., Chern J.C., Kebriaei M., Grattan-Smith D. Spinal cord infarction following minor trauma in children; Fibrocartilaginous embolism as a putative cause: Poster presentation, AANS Section Meeting, St. Louis, Mo., Nov. 27, 2012.

Kebriaei M., Salinas S.M., Falkenstrom K.L., Boydston B., Brahma B., Reisner A., Wrubel D., Chern J.J. Treatment of Post-hemorrhagic Hydrocephalus with Ventricular Access device: a follow-up study. AANS Section Meeting, St. Louis, Mo., Nov 27, 2012.

2013

"Traumatic Brain Injury." Children's Healthcare of Atlanta Foundation, Sept. 25, 2013.

Reisner A. "Neurosurgery for Neurologists and Pediatricians." Pediatric Grand rounds, Scottish Rite campus, Children's Healthcare of Atlanta, Atlanta, Ga., Oct. 16, 2013.

Reisner A. "Pediatric neurosurgery overview." Congress of Neurosurgery. ANSPA Section. San Francisco, Calif., Oct. 19, 2013.

Yosick R.N., Burns T.G., Arenivas A. "The Utility of the Test of Memory and Malingering Trial 1 as an Indicator of Effort in Pediatric Patients with Concussion." Presented to the American Academy of Clinical Neuropsychology, pp. 471-472, 2012.

2014

Reisner A. "Bleeding problems and severe TBI." Intensive Care Unit (ICU) meeting. Children's Healthcare of Atlanta Egleston hospital. Feb. 11, 2014.

Reisner A., Burns T.G., Hall L. "Pediatric Head injury." Children's Healthcare of Atlanta. Presentation to Board, Feb. 19, 2014.

Chern J.J., Howard B., Bookland M., Wrubel D., Brahma B., Reisner A., Boydston W. "Non-operative Pediatric Skull Fracture: Return to System and Utility of Surveillance Imaging." American Association of Neurological Surgeons. Atlanta, Ga., May 2014.

Jain S., Reisner A., Weselman B., Chern J.J., Salzberg N., Hall L., Burns T.G. "Impact of a Concussion Education Program on the Management of Concussions." Society for Academic Emergency Medicine. Dallas, Texas, May 13 to May 17, 2014.

Reisner A., Jain S., Chern J.J., Bookland M., Weselman B.C., Hall L., Hogan E., Waldner D., Burns T.G. "Effect of a Community Education Program on Pediatricians' Management of Concussions." World Congress on Controversies in Pediatrics. Prague, Czech Republic. April 24, 2014. Abstract published in Co-pedia. Perinatal medicine, p. 14.

Reisner A. "Pediatric Brain Tumors." Grand Rounds. Saint Charles University, Department of Neurosurgery. Prague, Czech Republic. April 25, 2014.

Reisner A., Burns T.G., Hall L. Pediatric Head Injury Symposium. Children's Healthcare of Atlanta. May 6, 2014.

Reisner A., Burns T.G., Hall L. Pediatric Head Injury Symposium. Children's Healthcare of Atlanta. May 8, 2014.

Chu J., Boydston W., Brahma B., Reisner A., Wrubel D., Chern J.J. "Readmission and Reoperation Rates Within 30 Days of Discharge Following Pediatric Neurosurgery." Georgia Neurosurgery Society Spring Meeting, Sea Island, Ga., May 24, 2014.

Hall L., Reisner A., Jain S., Chern J.J., Weselman B.C., Hogan E., Speake K.M., Johnson E., Hatcher B., Polikondriotis J.A., Clark G., Marshall D., Waldner D., Licata R., Burns T.G. "Effect of a Community Education Program on Pediatricians' Management of Concussions." National Neurotrauma Society 32nd Annual Symposium, San Francisco, Calif., June 29 to July 2, 2014. Abstract published in J Neurotrauma 31(12), p A-60, 2014.

Reisner A. "Essentials in Pediatric Neurosurgery For Anesthesiologists." Children's Healthcare of Atlanta Anesthesia Department, Grand Rounds, July 24, 2014.

Reisner A. "Pediatric Neurotrauma." Trauma symposium, Children's healthcare of Atlanta. Sept. 15, 2014.

Sribnick E., Tillman N., Reisner A., Wei D., Walson T., Walson K., Petrillo-Albarano T., Chern J.J., Vats A. "Use of a Pediatric Traumatic Brain Injury Pathway is Associated with Improved Outcomes." Georgia neurosurgery, May 2015.

Hayes L.L., Arenivas A., Sun B., Jones R.A., Burns T.G., Palasis S. "Pediatric Sports-Related Concussion Produces Alterations in Frontal Lobe Activation: A Functional MRI Study." Presented as a paper to the American Society of Neuroradiology (ASNR) as an Oral Presentation for the Annual Meeting in Montreal, Canada. 2014.

Jain S., Reisner A., Weselman B.C., Chern J.J., Salzberg N., Hall L.B., Burns T.G. "Impact of a Concussion Education Program on the Management of Concussions." Poster presented to the Society for Academic Emergency Medicine annual meeting, Dallas, May 2014.

McManus S., Burns T.G. "Difference in Initial Symptom Presentation for Female Athletes with Typical and Prolonged Recovery Courses." Presented to the International Neuropsychological Society and abstract published in the Journal of the International Neuropsychological Society, S1, p. 23. 2014.

Herzog M., Polikandriotis J.A., Burns T.G., Drews-Botsch C. "Prevalence of Undiagnosed Concussion in Adolescent Athletes Based on Neuropsychological Declines." Presented as an oral presentation to the Council on Sports Medicine and Fitness at the American Academy of Pediatrics, San Diego, Calif., Oct. 11, 2014.

Hall L.B., Reisner A., Jain S., Chern J.J., Weselman B.C., Hogan E., Speake K.M., Johnson E., Hatcher B., Polikandriotis J.A., Clark G., Marshall D., Waldner D., Licata R.M., Burns T.G. "Effects of a Community Education Program on Pediatrician's Management of Concussions." Poster presented to the National Neurotrauma Society and the abstract published in the Journal of Neurotrauma, 31(12), p. A-60. 2014.

Hayes L.L., Arenivas A., Sun B., Jones R.A., Burns T.G., Palasis S. "Altered Neural Activation in Children with Sports Related Concussion." Oral Presentation to the Society of Pediatric Radiology (SPR) Annual Meeting, Washington, D.C. 2014

Arenivas A., King T.Z., Sun B., McManus S.M., Brewster R., Hayes L., Burns T.G. "Neural Activation on a Working Memory functional MRI task in Pediatric Sports-Related Concussion." Paper Presentation to the International Neuropsychological Society and abstract published in the Journal of the International Neuropsychological Society, S1, p. 150. 2014.

Hayes L.L., Arenivas A., Sun B., Jones R.A., Burns T.G., Palasis S. "Pediatric Sports-Related Concussion Produces Alterations in Frontal Lobe Activation: A Functional MR Imaging Study." Presented as a paper to the American Society of Neuroradiology (ASNR) as an Oral Presentation for the Annual Meeting in Montreal, Canada. 2014.

2015

Tillman N., Dong W., Reisner A., Walton T., Petrillo-Albarano T., Chern J.J., Sribnick E.A., Vats A. "Use of Guidelines for the Management of Severe TBI is Associated with Improved Outcome." Society of Critical Care Medicine (nominated for candidate for best presentation award, TBD). 44th Critical Care Congress, Phoenix, Ariz., Jan. 17 to Jan. 21, 2015.

Doshi B., Meeks S., Hendrickson J., Reisner A., Leong T., Winkler A., Meyer E. "Coagulopathy Predicts Mortality In Pediatric Patients with Traumatic Brain Injury." American Society of hematology meeting. 2015.

Little S., Grattan-Smith D., Palasis S., Philbrook B., Leong T., Reisner A. "Fissures of the Annulus Fibrosus and Anterior Spinal Artery Infarct of the Cervical Cord in Children." Submitted, ASNR. 2015.

Reisner A., Vats A., Sribnick E.A., Tillman N., Chern J.J. "Is Implementation of Guidelines for Management of Severe Traumatic Brain Injury Associated with Improved Outcomes? Experience at a Children's Tertiary Referral Centre." British Neurosurgical Society Meeting. Southhampton, UK. 2015.

Reisner A. Encephaloceles. Peri-natal conference. Northside Hospital. Feb. 4, 2015.

Reisner A. Concussions to Coma. Trauma Grand Rounds. Children's Healthcare of Atlanta, Atlanta, Ga. Feb. 20, 2015.

Doshi B., Meeks S., Hendrickson J., Reisner A., Leong T., Winkler A., Meyer E. "Coagulopathy Predicts Mortality In Pediatric Patients with Traumatic Brain Injury." American Society of hematology meeting. 2015.

Little S., Grattan-Smith D., Palasis S., Philbrook B., Leong T., Reisner A. "Fissures of the Annulus Fibrosus and Anterior Spinal Artery Infarct of the Cervical Cord in Children." ASNR Meeting, 2015.

Reisner A., Vats A., Sribnick E.A., Tillman N., Meyer E.K., Wrubel D.M., Brahma B., Boydston W.R., Chern J.J. "Is Implementation of Guidelines for Management of Severe Traumatic Brain Injury Associated with Improved Outcomes? Experience at a Children's Tertiary Referral Centre." British Neurosurgical Society Meeting. Southhampton, U.K. April 2015. Abstract published in British Journal of neurosurgery, April 2015; 29(2); 124-163 pp. 144.

Reisner A. "Concussions to Coma." Trauma Grand Rounds. Children's Healthcare of Atlanta, Atlanta, Ga. Pediatric Grand Rounds. June 10, 2015.

Ono K.E., Burns T.G., McManus S., King H., Polikandriotis J.A., Murdaugh D.J., Bearden D., Reisner, A. "Sex Differences as a Predictor of Trajectories of Recovery in Adolescent Athletes Following a Sports Related Concussion." Sports Neuropsychology Society annual Meeting, Atlanta, Ga., May 2015.

Murdaugh D.L., Ono K.E., King T.Z., Reisner A., Burns T.G. "Sleep Disturbances Following Prolonged Recovery from Sports-related Concussion and Importance of Sleep on Cognitive Performance." Presented at the 2015 Sports Neuropsychology Symposium, Atlanta, Ga., May 2015.

Reisner A., Escayg A. "Traumatic Brain Injury." Children's Center for Neurosciences Research; 2015. Sept. 11, 2015

Hegberg N.J., Ono K.E., Penna, S., Burns, T.G. (2015). "Test-Retest Reliability of the Immediate Post-Concussion Assessment and Cognitive Testing (ImPACT) in Young Adolescents." Presented to the American Academy of Clinical Neuropsychology and abstract published in *The Clinical Neuropsychologist*, 29(3), p. 530. 2015.

Murdaugh D., Ono K.E., Burns T.G. "Sleep Disturbances Following Prolonged Recovery from Sports-Related Concussion and Importance of Sleep on Cognitive Performance." Poster presented to Sport Concussion Symposium in concert with the Sports Neuropsychology Society annual meeting. 2015.

Sun B. Burns T.G., King T.Z., Hayes L.L., Arenivas A., McManus S., Ono K.E., Jones R.A. "Investigation of Vigilance and Working Memory Impairment in Sports Related Concussion Patients with functional MRI." Poster presented to the International Society for Magnetic Resonance Imaging in Medicine. Abstract published in *Magnetic Resonance Medicine* (in press). 2015.

2016

Ghilain C., Ono K.E., Burns T.G. "Pediatric ImPACT: Detecting Age and Gender Based Differences of Baseline Functioning." Presented to the International Neuropsychological Society Meeting and abstract published in the *Journal of the International Neuropsychological Society* (in press). 2016.

Reisner A., Hall L., Burns T.G. "Brainstorming on Research of Traumatic Brain injury." Children's Center for Neurosciences Research, Emory University; 2015. Jan. 12, 2016.

Vasudavan K., Jones J., Reisner A., Vats A., Sribnick E.A., Tillman N., Chern J.J. "Is Implementation of Guidelines for Management of Severe Traumatic Brain Injury Associated with Improved Outcomes? Experience at a Children's Tertiary Referral Center." Oral presentation, Southern Neurosurgery Society, San Antonio, Texas. March 3 to March 5, 2016.

Gao N., Wali B., Sayeed I., Burns T.G., Chern J.J., Blackwell L.S., Ono K.E., Ward C., Vats A., Bunting S., Rogers B., Kuan C., Reisner A. "Osteopontin as a Blood Biomarker in Traumatic Brain Injury and Hypoxic-ischemic Encephalopathy." National Neurotrauma Society Meeting, Lexington, Ky., June 26 to June 28, 2016. Selected by the Abstract Committee for presentation at the DataBlitz session (25 of 377 abstracts) 2016.

Binjian, Richard, T.G. Burns, King, A. Reisner. "Differences in Resting State Connectivity and White Matter Integrity in Adolescents with Sports-Related Concussion." American Academy of Clinical Neuropsychology. Chicago, June 9 to June 12, 2016. Winning poster.

Vigneswaran K., Reisner A., Bleacher J., Sawvel M., Roy A.K., Holbrook B.H., Wheelus J., Johnson K., Walton T., Hill K., Pereira G., Ono K.E., Yarrow C., Blackwell L.S., Rogers B., Hamling M., Kuan C., Chern J.J., DeGrauw A. "Is Implementation of Guidelines for Management of Severe Traumatic Brain Injury Associated With Improved Outcomes? Experience at a Children's Tertiary Referral Center." General Session, Podium Presentation, 2016 Annual Meeting of the Pediatric Trauma Society, Nashville, Tenn., Nov. 11 and Nov. 12, 2016.

Reisner A., Burns T.G., Ono K.E., Murdaugh D.L., Blackwell L.S., Hall L., Speake K.M., Jain S., Yarrow C., Bleacher J., Weselman B.C., DeGrauw A., Chern J.J. "Quality Improvement in Concussion Management: The Influence of Guideline-Based Education on Community-Practicing Pediatricians." 2016.

General Session, Podium presentation. 2016 Annual Meeting of the Pediatric Trauma Society, Nashville, Tenn. Nov. 11 and Nov. 12, 2016.

Reisner A. "Techniques in Pediatric Neurosurgery." Neurosurgery Grand Rounds. Emory University, Atlanta, Ga., Aug. 25, 2016.

Invited Honored Guest, Head Injury in Children, Czech Neurosurgical Society Annual Congress, Pilzen, Czech Republic, Nov. 2 to Nov. 4, 2016.

Invited Honored Guest, Neurosurgical Problems Seen in Pediatrician's Office. Charles University Department of Pediatrics, Pilzen, Czech Republic, Nov. 2 to Nov. 4, 2016.

2017

Reisner A., Hall L. "Concussions; Community Talk." Pace Academy, Feb. 2, 2017.

Reisner A. "Concussions to Coma." Trauma rounds. Children's Healthcare of Atlanta Scottish Rite hospital, Atlanta, Ga. May 16, 2017.

Reisner A. "Head Injuries in Children." Trauma Grand Rounds. Children's Healthcare of Atlanta Pediatric Intensive Care Unit (PICU), June 14, 2017.

Reisner A., Kuan, Sayeed, Blackwell L. "Strides Toward Blood Biomarkers in Pediatric Neurotrauma." Pediatric Research Alliance Lecture. Emory University, Health Sciences Research Building, Oct. 23, 2017.

Reisner A., Kuan, Vova J., Labrot, Blackwell L., Howarth R. "Management and Outcomes in Pediatric Severe Traumatic Brain Injury; Current Research and Practice." American Congress of Rehabilitation Medicine. Atlanta, Ga., Oct 25, 2017.

Reisner A., Sayeed I., Blackwell L.S., Gable B.C., Kuan C. "An update on Pediatric Neurotrauma with Emphasis on Biomarkers; Current Research and Practice." Georgia Neurosurgery Society, Fall Meeting. Lake Oconee, Ga., Dec. 2, 2017.