Todd Cameron Hankinson, MD, MBA

Current Position

Professor, Departments of Neurosurgery and Pediatrics

University of Colorado Anschutz Medical Campus

Chief, Division of Pediatric Neurosurgery

Children’s Hospital Colorado - Neurosurgery

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Education

Middlebury College, Middlebury, VT

Bachelor of Arts, Political Science/Spanish, *cum laude*, 1993-1997

College of Physicians and Surgeons, Columbia University, New York, NY

Doctor of Medicine, 1998-2003

Saïd School of Business, Magdalen College, University of Oxford, Oxford, United Kingdom

Masters of Business Administration, 2001-2002

Department of Surgery, New York-Presbyterian Hospital, Columbia Campus, New York, NY

Intern, 2003-2004

Department of Neurosurgery, Neurological Institute of New York

New York-Presbyterian Hospital, Columbia Campus, New York, NY

Resident, 2004-2008; Chief Resident 2008-2009

Division of Pediatric Neurosurgery, Children’s Hospital of Alabama, Birmingham, AL

Fellow in Pediatric Neurosurgery, 2009-2010

Academic Appointments

Associate Professor, Neurosurgery and Pediatrics, 2015-2020

Clinical Instructor

University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences

July 2, 2014-present

Assistant Professor, Neurosurgery, University of Colorado School of Medicine, 2010-2015

Hospital Positions

Physician Champions Council, Children’s Hospital Colorado, 2021-

Clinic Medical Director, Neurosurgery, Children’s Hospital Colorado

Quality Officer, Neurosurgery, Children’s Hospital Colorado, 2012-2020

Honors and Awards

Didactic Faculty Member of the Year, Advocate BroMenn Neurosurgery Residency Program, 2019-20

Children’s Hospital Colorado Provider of the Month, November 2019

Glenn Kindt Neurosurgery Research Award (Ros Whelan, Mentee), U. Colorado, 2018

Patient-Family Experience Excellence in Patient Care Award - 2017, 2018, 2020, 2021, 2022

Nominee – Golden Stethoscope Award for Best Role Model, CU SoM, 2014-5

Award for Excellence in Precepting, CU Skaggs School of Pharmacy and Pharmaceutical Sciences, 2014-5

Pillar Award – Children’s Hospital Colorado, 2012

Council of State Neurosurgical Societies Socioeconomic Fellowship, 2008-2009

Council of State Neurosurgical Societies Resident Award, Congress of Neurological Surgeons, 2007

Hichens Scholarship, Magdalen College, Oxford, UK, 2001-2002

NIH Summer Research Fellowship, 1999

Sigma Delta Pi, Spanish National Honor Society, 1997

Professional Organizations

International Society for Pediatric Neurosurgery, 2012-present

Scientific Committee, 2016-present

American Society of Pediatric Neurosurgeons, 2013-present

Children’s Oncology Group, 2012-present

Society for Neuro-oncology, 2015-present

Pediatric Craniocervical Society, 2010-present

American Association of Neurological Surgeons, 2004-present

Young Neurosurgeons Committee, 2007-2011

Silent Auction Subcommittee Chairperson, 2009-2010

Joint Section (w/Congress of Neurological Surgeons) on Pediatric Neurosurgery

Communications Subcommittee, 2013-2015

National Meeting Subcommittee, 2017-2019, co-chair 2019-2021

Research Subcommittee, 2021-2023 (co-chair)

Section on Tumors

Congress of Neurological Surgeons, 2004-present

Fellowship Committee, 2014-15

Annual Meeting Scientific Program Committee, 2018

American Telemedicine Association, 2010-2012

American Medical Association, 2006-2009

Alternate Delegate to Resident and Fellow Section, American Assoc. of Neurological Surgeons, 2006-2009

International Symposium on Pediatric Neuro-oncology, Sunrise Session Co-Chair and Local Organizing Committee, Denver, CO, USA., 2018

Committee and Service Responsibilities

Middlebury College, Community Council, 1996-1997

Columbia University College of Physicians and Surgeons, Curriculum Committee, 1998-2001

New York Presbyterian Hospital – Columbia, Graduate Medical Education Subcommittee, 2006-2007

Children’s Hospital Colorado

Neurosurgery Telemedicine Pilot Program, 2010-2015

Neurosciences Institute Clinical Research Council, 2010-present

Neurosciences Institute Quality Committee, 2011-2020

Perioperative Services Quality Committee, 2011-2021

Surgical Site Infection Subcommittee, 2011-2020

OR to PICU Handoff Taskforce, 2013-2019

Co-author, Guidelines for the Treatment of Severe Traumatic Brain Injury, 2011

Orthopedic Institute, Target Zero Surgical Site Infection Taskforce, 2012-present

Chair, Search Committee, Chair of Pediatric Physical Medicine & Rehabilitation, 2018

Search Committee, Chair of Otolaryngology, Orthopedic Surgery, Neurology, Precision Medicine

University of Colorado

Department of Neurosurgery Finance Audit Committee, 2011-2015

National K12/Neurosurgeon Research Career Development Program (NRCDP): Eskandar (PI) - National Advisory Committee, *ad hoc* member, 2021-

Licensure and Board Certification

Diplomate, American Board of Neurological Surgeons - 2013

Colorado – 2010

Montana – 2011

Inventions and Intellectual Property

Review and Referee Work

Department of Defense, Peer Reviewed Medical Research Program FY21 – Hydrocephalus (PRE-HYD) review panel

Editorial Board, *P&S Medical Review*, 1998-2000

Associate Editor, *Clinical Neurosurgery Proceedings*, 2010-2016

Editorial Board, *AANS Neurosurgeon*, 2010-2011

Children’s Hospital Colorado Research Institute, Internal Grants Review – May, 2014

Ad hoc reviewer – *Child’s Nervous System, Oncotarget, Pediatrics, Pediatric Neurosurgery, Neurosurgery, World Neurosurgery, Operative Neurosurgery, JAMA Pediatrics, Endocrine Connections, Targeted Oncology, Frontiers in Oncology, Frontiers in Surgery*

Colorado Clinical and Translational Sciences Institute KL-2 Career Development Award Study Section Reviewer - 2016

Invited Extramural Lectures, Presentations and Visiting Professorships

Local

1. **Hankinson TC**. Geographic Neurosurgery Workforce Analysis 1990-2005: PLI as a Market Factor. Grand Rounds, Department of Neurosurgery, University of Colorado Denver.1 September, 2009

2. **Hankinson TC,** Anderson RCE, Spinks T, Jea A, Proctor M, Lew S, Rodriguez L, Harter D, Sacco D, Pincus D, Brockmeyer D for the Pediatric Craniocervical Society. *Fusion Rates following Rigid Internal Fixation of the Occiput to C2 are equivalent with or without C1 Instrumentation.* Grand Rounds, Department of Neurosurgery, University of Colorado Denver. 8 February, 2011

3. **Hankinson TC**. *Advancing Treatment for Pediatric Craniopharyngioma.* Children’s Hospital Colorado Pediatric Neuroimaging Conference. 21 January, 2015

4. **Hankinson TC**.*Neural Tube Defects: The Neurosurgical Perspective.* Children’s Hospital Colorado. Pediatric Surgery Grand Rounds. 27 February 2015

5. **Hankinson TC.** *Neurosurgical Management of Posthemorrhagic Hydrocephalus of Prematurity: Potential New Treatment Approach.* Children’s Hospital Colorado Neonatology Noon Conference. 6 February 2019

6. **Hankinson TC.** *Research Update for Adamantinomatous Craniopharyngioma.* Grand Rounds, Department of Neurosurgery, University of Colorado Anschutz Medical Campus. 7 January, 2020

Regional

1. **Hankinson TC**. *Pediatric Brain and Spine Trauma*. Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, Fort Lewis College, Durango, CO. 5 August, 2011

2. **Hankinson TC**. *Teleneurosurgery: Program Design and Early Lessons*. Pediatric Care…When and Where Needed Conference. St. Vincent’s Hospital. Billings, MT. 27 August, 2012

3. **Hankinson TC**. *Pediatric Brain Injury – Stabilization and Management.* Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, John Harms Advanced Technology Center, Scottsbluff, NE. 4 September, 2014

4. **Hankinson TC**. *Pediatric Spine and Spinal Cord Injuries.* Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, John Harms Advanced Technology Center, Scottsbluff, NE. 4 September, 2014

5. **Hankinson TC**. *Pediatric Neurosurgery: Assessment of Head Shape Anomalies and Spinal Skin Anomalies*. University of New Mexico Pediatric Fall Wylder Lecture Series, 27 August 2016

6. **Hankinson TC**. *Pediatric Brain Injury.* Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, Santa Ana Pueblo, NM. 21 September, 2016

7. **Hankinson TC**. *Pediatric Concussion – Diagnosis and Management.* Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, Santa Ana Pueblo, NM. 22 September, 2016

8. **Hankinson TC**. *Pediatric Brain Injury.* Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, Breckenridge, CO. 18 August, 2017

9. **Hankinson TC**. *Pediatric Concussion – Diagnosis and Management.* Children’s Hospital Colorado Emergency and Trauma Outreach Symposium, Breckenridge, CO. 18 August, 2017

10. **Hankinson TC.** *Imaging, Diagnosis and Management of Cervical Spine Injuries*. 4th Annual Advanced Care for the Young Athlete Symposium, Aurora, CO. 17 November, 2017

11. **Hankinson TC.** *Pediatric Chiari Malformation: Neurosurgical Management and Potential Impact on Sleep*. National Jewish Health Sleep Conference, 26 March 2019

12. **Hankinson TC**. *Trauma Case Study: ATV Injury, A Multidisciplinary Review.*Colorado Pediatric Trauma Conference, 18 November 2021

National/International

1. **Hankinson TC**, Gump J, Foreman NK, Gore L. *Novel Approaches to Craniopharyngioma*. Pediatric Oncology Experimental Therapeutics Investigators’ Consortium (POETIC) Bi-annual Meeting. Banff, Alberta, Canada. 26 July, 2012

2. **Hankinson TC**, Gump J, Foreman NK, Gore L. *Biological Targets for Pediatric Craniopharyngioma: Proposal for a Pilot Trial*. Pediatric Oncology Experimental Therapeutics Investigators’ Consortium (POETIC) Bi-annual Meeting. Boulder, Colorado, 25 July, 2013

3. **Hankinson TC**, Gump J, Handler MH, Foreman NK, Gore L. *Advancing Treatment for Pediatric Craniopharyngioma: Pilot Study Identifying Biological Targets for Medical Therapy*. Pediatric Oncology Experimental Therapeutics Investigators’ Consortium (POETIC) Bi-annual Meeting. Orlando, FL, 19 February, 2014

4. **Hankinson TC**. *Acute Spinal Cord Injury: How Pediatric Patients Differ*. Breakfast Seminar: Acute Spinal Cord Injury. 82nd Annual Meeting of the American Association of Neurological Surgeons. San Francisco, CA. April 8, 2014

5. **Hankinson TC**. Faculty, Hands-on Practical Course: Pediatric Craniocervical Junction Instrumentation, 43rd Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Amelia Island, Fl. 1 December, 2014

6. **Hankinson TC.** *Choosing an Academic Job that will Allow you to Succeed.* Breakfast Seminar: Beginning Your Academic Career. 83rd Annual Meeting of the American Association of Neurological Surgeons. Washington DC. 4 May 2015

7. **Hankinson TC,** Pediatric Low Grade Gliomas, International Neurosurgery Resident Course, Berlin, Germany, 2-6 March, 2016

8. **Hankinson TC**, Impact of Molecular Advances on the Neurosurgical Management of Craniopharyngioma, 4th International Multidisciplinary Course on Childhood Craniopharyngioma, Bad Zwischenahn, Germany, 9 April 2016

9. **Hankinson TC**, Keynote Speaker: Advances in the Surgical Management of Pediatric Parasellar Tumors, University of Alabama – Birmingham Multidisciplinary Pituitary Conference, 16 April 2016

10. **Hankinson TC**. Co-director, Hands-on Practical Course: Endoscopic Craniosynostosis Repair. 84th Annual AANS Scientific Meeting, Chicago, Ill. 1 May, 2016

11. **Hankinson TC**. *The Inflammatory Milieu of Paediatric Craniopharyngioma and Potential Surgical Implications.* 11th Annual Pituitary and Hypothalamus Workshop. Jerez, Spain. 1 October 2017

12. **Hankinson TC.** *Consequences of Surgery for Pituitary and Brain Tumors*. 100th Annual Meeting of The Endocrine Society. Chicago, Ill, USA, 19 March, 2018

13**. Hankinson TC**, The Role of the Neurosurgeon in the Treatment of Craniopharyngioma, 5th International Multidisciplinary Course on Childhood Craniopharyngioma, Bad Zwischenahn, Germany, 21 April 2018

14. **Hankinson TC**. Faculty, Hands-on Practical Course: Craniocervical and C1-C2 Stabilization Techniques, Surgical Approaches. 2018 Annual Meeting of the American Association of Neurological Surgeons, New Orleans, LA, 28 April 2018

15. **Hankinson TC.** Hydrocephalus: The Assassin of a Perfectly Good Neurosurgical Career. Breakfast Seminar: Pediatric Neurosurgery for General Neurosurgeons. 88th Annual Meeting of the American Association of Neurological Surgeons. New Orleans, LA. April 30, 2018

16. **Hankinson TC**. *Translational Research for Pediatric Adamantinomatous Craniopharyngioma: Pushing Neurosurgeons Towards Unemployment*. SIOPe Craniopharyngioma Working Group, Denver, USA, 29 June 2018

17. **Hankinson TC.** *Brain Tumors Associated with Endocrine Abnormalities.* Advanced Practice Provider Seminar. AANS/CNS Section on Pediatric Neurosurgery, Annual Meeting, Nashville, TN, 6 December 2018

18. **Hankinson TC**. Faculty, Hands-on Practical Course: Craniocervical and C1-C2 Stabilization Techniques, Surgical Approaches. 2019 Annual Meeting of the American Association of Neurological Surgeons, San Diego, CA, 13 April 2019

19. **Hankinson TC.** *Hydrocephalus: Spine Fellowships #1 Recruiter.* Breakfast Seminar: Pediatric Neurosurgery for General Neurosurgeons. 2019 Annual Meeting of the American Association of Neurological Surgeons. San Diego, CA. 15 April, 2019

20. **Hankinson TC**. *Adamantinomatous Craniopharyngioma: An Update for Pediatric Neurosurgeons.* Great Ormond Street Hospital Pediatric Neurosurgery Conference. London, UK, June 13, 2019

21. **Hankinson TC**. *Best Practices to Minimize Surgical Site Infections after Complex Spinal Cord Detethering.* Congress of Neurological Surgeons Webinar. 30 September, 2019

22. **Hankinson TC.** *Transnasal and Neuroendoscopic Approaches to Pediatric Craniopharyngioma: Minimizing the Need for Intracystic Catheters and CSF Shunting*. 9th International Federation of Neuroendoscopy World Congress. Orlando, FL, 23 November, 2019

23. **Hankinson TC**. *Biology in Craniopharyngioma and Upcoming Trials.* Pediatric Neurosurgery and Neuro-Oncology: Africa Facing the Future. Children’s Cancer Hospital of Egypt, 57357. Cairo, Egypt, Feb 20, 2020

24. **Hankinson TC**. *Endoscopy for Pediatric Brain Tumors.* Pediatric Neurosurgery and Neuro-Oncology: Africa Facing the Future. Children’s Cancer Hospital of Egypt, 57357. Cairo, Egypt, Feb 21, 2020

25. **Hankinson TC.** *Pediatric Hydrocephalus.* Virtual Breakfast Seminar: Pediatric Neurosurgery for General Neurosurgeons. 2020 Annual Meeting of the American Association of Neurological Surgeons. April, 2020

26. **Hankinson TC**. *Current Strategies in the Treatment of DIPG.* University of Miami Global Brain Tumor Series. Panelist. October 14, 2020

27. **Hankinson TC**.*Navigated Ultrasound in Pediatric Neurosurgery*. Invited Panelist. Navigated Ultrasound in Neurosurgery – Presentation and Q&A with the Experts. BrainLab Global Webinar. 23 November 2020

28. **Hankinson TC**.*Hydrocephalus Case Presentations*. Advanced Practitioner Seminar. Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. 2-4 December 2020

29. **Hankinson TC** and Martinez Barbera JP. *Basic Research to Clinical Trials: Novel Advances in Treatments for Childhood Craniopharyngioma*. The Brain Tumour Charity Monthly Webinar. 28 January 2021

30. **Hankinson TC**. Clash of the Titans XV: Total Removal of Craniopharyngioma is the Ideal Treatment. International Society of Pediatric Neurosurgery. 12 February 2021

31. **Hankinson TC**. Discussant: Microglial Replacement Enhances Motor Function and Improves Overall Survival in a Mouse Model of Gaucher’s Disease. 2021 Virtual Annual Meeting of the American Association. 25 August, 2021

32. **Hankinson TC**. *Developing Skills in Outcomes and Cost Research in Neurosurgery*. “2nd World Neurosurgery Webinar Conference: Improving Outcomes, Output and Cost”. December 4-5, 2021

Teaching Record

Ward/Attending Clinic Duties (August 2010-present)

1. Daily Inpatient Rounds – 1-1.5 hours

2. Operative Cases – 150 major neurosurgical cases annually

Accomplishments

1. Resident Research Mentorship Program – Department of Neurosurgery, University of Colorado School of Medicine. Led the development and implementation of novel program for neurosurgery resident research training and mentorship.

2. Faculty Mentor, University of Colorado Denver, School of Medicine, Neurosurgery Interest Group, 2016-2018

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*Presentations*

Medical Students

1. **Hankinson TC**. *Pediatric Neurosurgery: A Primer*. Students interested in Brain Surgery Lunch Conference. University of Colorado Denver School of Medicine. 21 February, 2012
2. Preceptor, Foundations of Doctoring, Jonathon Parker, 2013-4
3. Preceptor, Foundations of Doctoring, Monica Salazar Davern, 2013-4
4. Faculty Mentor, University of Colorado Denver, School of Medicine, Neurosurgery Interest Group, 2016-
5. **Hankinson TC**. *Pediatric Neurosurgery in a Nutshell.* University of Colorado School of Medicine Neurosurgery Interest Group, 5 December, 2017
6. **Hankinson TC**. *Pediatric Neurosurgery in a Nutshell.* University of Colorado School of Medicine Neurosurgery Interest Group, 1 March, 2019
7. **Hankinson TC**. *Chiari Malformation: Overview and Initial Management*. Medical Student Neurosurgery Training Center Webinar. 6 April 2021

Graduate Students

1. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2011-2012: Student – Danielle Smidt
2. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2012-2013: Student – Massoud Ghoghly
3. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2013-2014: Student – Trang Phan
4. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2014-15: Student – Kara Vantaggi
5. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2015-2016: Student – Meghan Lynch
6. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2016-2017: Student – Amy Chen
7. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2017: Student – Naweid Maten
8. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2018: Student – Meghan Williams
9. Capstone Project Mentor: Master’s Degree Program in Modern Human Anatomy, 2018-9. Student – Nadira Matin: *Development of a Downloadable Instructional Tool Regarding Pediatric Hydrocephalus.*
10. Preceptor, PHRD 7350, Experiential Practice VI, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, 2019: Student – Katarina Cornakova

House Officers

1. **Hankinson TC.** *Hydrocephalus and Pediatric CSF Diversion*. Emergency Department Housestaff Conference. The Children’s Hospital of Alabama. 22 October, 2009

2. **Hankinson TC**. *What do Neurosurgeons do?* Department of Radiation Oncology Education Lecture. University of Colorado Anschutz Medical Campus. 26 May, 2011

3. **Hankinson TC.** *Management of the Complex Down Syndrome Patient with Upper Cervical Instability.* Multidisciplinary Complex Spine Conference, Children’s Hospital Colorado, 14 February 2014

4. **Hankinson TC.** *Tethered Spinal Cord: As Low as a Neurosurgeon Wants to Go.* Department of Neurology Education Lecture, Children’s Hospital Colorado, 1 May 2014

5. **Hankinson TC**. *Ependymoma: The Role of the Neurosurgeon*. Department of Radiation Oncology Education Lecture, University of Colorado Anschutz Medical Campus, 12 June 2014

6. **Hankinson TC.** *Tethered Spinal Cord: As Low as a Neurosurgeon Wants to Go.* Department of Neurology Education Lecture, Children’s Hospital Colorado, 2 October 2014

7. **Hankinson TC.** *The Neurosurgeon and the Tumor*. Department of Radiation Oncology Education Lecture, University of Colorado Anschutz Medical Campus, 12 May 2017

8. **Hankinson TC.** *Management of Cervical Spine Disease in Children with Underlying Syndromic Conditions.* Multidisciplinary Complex Spine Conference, Children’s Hospital Colorado, 19 January 2018

9. **Hankinson TC.** *Neurosurgical Approaches to Intracranial Tumors.* Radiation Oncology Education Lecture, University of Colorado Anschutz Medical Campus, 21 September 2018

10. **Hankinson TC**. Invited Faculty Panel. Children’s Hospital Colorado, Research for Outcomes in Children’s Surgery, Research Training Bootcamp, 6 August 2019

Nursing

1. **Hankinson TC**. *Tethered Cord, Third Ventriculostomy, and ICP Monitors: 3 Quick Talks.* Neuroscience Population Pathway Education #4. Children’s Hospital Colorado, 14 April 2011

2. **Hankinson TC**. *Cervical Fracture Management.* Children’s Hospital Colorado Operating Room Staff Conference. 18 March 2013

3. **Hankinson TC**. *Update on Pediatric Concussion: it’s more than just a bump on the head*. Children’s Hospital Colorado Advanced Practice Evening Education Series. 25 June 2013

4. **Hankinson TC**. Pediatric Hydrocephalus: A Primer. Christopher Ward Neuroscience Nursing Conference. Children’s Hospital Colorado. 8 August, 2013

5. **Hankinson TC**. Pediatric Hydrocephalus: A Primer. Christopher Ward Neuroscience Nursing Conference. Children’s Hospital Colorado. 2 February, 2018

6. **Hankinson TC**. Pediatric Brain Tumor Surgery: The Overtrained Ice Cream Scooper. Christopher Ward Neuroscience Nursing Conference. Children’s Hospital Colorado. 9 August, 2019

Physicians

1. **Hankinson TC**. *The Child with an Abnormally Shaped Head*. Children’s Medical Center, Denver, CO. 22 March, 2011

2. **Hankinson TC**. *Pediatric Spine: a neurosurgical perspective from bottom to top*. Poudre Valley Hospital, Fort Collins, CO. 21 June, 2011

3. **Hankinson TC**. *Pediatric Neurosurgery: Misshapen Heads and Booties.* Peak Pediatrics, Denver, CO. 13 September, 2011

4. **Hankinson TC**. *The Child with an Abnormally Shaped Head*. Littleton Adventist Hospital, Littleton, CO. 18 December, 2012

5.**Hankinson TC**. *The Child with an Abnormally Shaped Head*. Northern Colorado Medical Center, Greeley, CO. 25 January, 2013

6. Research Preceptor –Department of Surgery: Dr. Brooke French

7. **Hankinson TC**. *Pediatric Neurosurgery: Misshapen Heads and Booties.* Cherry Creek Pediatrics, Denver, CO. 3 March, 2014

8. **Hankinson TC.** *Pediatric Spine and Spinal Cord Trauma*. Children’s Hospital Colorado Pediatric Surgery Teaching Conference. 23 September, 2016

9. **Hankinson TC.** *Spinal Cord Detethering in the Myelomeningocele Population*. Children’s Hospital Colorado, Colorado Institute for Maternal and Fetal Health Multidisc Conference. 14 February, 2017

10. **Hankinson TC**. *Tethered Spinal Cord.* Pediatric Associates of Northern Colorado. Ft. Collins, CO. 1 October, 2018

11. **Hankinson TC**. Podcast: Charting Pediatrics. *Pediatric Head Shape Anomalies*. <http://traffic.libsyn.com/chartingpediatrics/S2E18_Abnormal_Head_Growth_and_Shapes_in_Pediatrics.mp3>. 11 December, 2018

12. **Hankinson TC**. *Pediatric Neurosurgery: Misshapen Heads and Booties.* Clinica Pecos, Denver, CO. 12 December, 2018

13. **Hankinson TC.** Podcast: *Macrocephaly*. Colorado Permanente Medical Group. <https://cl.kp.org/co/cme/2019-05-peds-neurosurgical.html> 13 May, 2019

14. **Hankinson TC.** *Neurosurgical Issues in Primary Care: Sacral Anomalies.* Colorado Permanente Medical Group Continuing Medical Education, 22 May, 2019

15. **Hankinson TC**. *Management of Children with Sacral Skin Anomalies.* Children’s Hospital Colorado Department of Pediatric Urology Conference. 16 August 2019

16. **Hankinson TC**. Podcast: Charting Pediatrics. *Sacral Dimples*. [https://bit.ly/3sfcNjT](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbit.ly%2F3sfcNjT&data=04%7C01%7CTodd.Hankinson%40childrenscolorado.org%7C7ffc0f6f03ef462bb4e708d8ee1ae739%7Caf8d3786f13d43d5b752d893b9462e87%7C0%7C0%7C637521146624129359%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=s5RHa5zzXwZO3IwaUjZv4yZzv%2FJ9KXg%2BFFTyy5dnn1k%3D&reserved=0) 23 March, 2021

Community

1.**Hankinson TC.** *Pediatric Hydrocephalus and Cerebrospinal Fluid Diversion.* Colorado Hydrocephalus Support Group, 14 October, 2010

Grant Support

1. AANS/CNS Section on Pediatrics Section Grant, **Hankinson (Co-PI)**, Alshareef (Co-PI), Complement Activation in Cerebrospinal Fluid of Neonatal Intraventricular Hemorrhage Patients Predicts Post-Hemorrhagic Hydrocephalus. $10,000. Date 7/1/2022-6/30/2023
2. University of Colorado Department of Neurosurgery, Early Career Research Innovation Award, Al-Shareef (PI), (**Hankinson** mentor). Complement Activation in Cerebrospinal Fluid of Neonatal Intraventricular Hemorrhage Patients Predicts Post-Hemorrhagic Hydrocephalus. $10,000. Date 7/1/2022-6/30/2023
3. Morgan Adams Foundation, **Hankinson** (PI). Demonstrate the Impact of MMP-9 Knockdown in 3 Novel ACP Models$20,000. Date 1/1/2022-12/31/2022
4. Morgan Adams Foundation, **Hankinson** (PI). Multiplex Immunofluorescence spatial distribution in ACP $15,000. Date 1/1/2022-12/31/2022
5. Morgan Adams Foundation, **Hankinson** (PI). Preclinical testing of the small molecule inhibitors Navitoclax, and Binimetinib using *ex vivo*Adamantinomatous Craniopharyngioma Tissue $10,000. Date 1/1/2022-12/31/2022
6. Morgan Adams Foundation, **Hankinson** (PI). Development of a public web-based tool to refine interpretable AI tools in pediatric neuro-oncology $10,000. Date 1/1/2022-12/31/2022
7. Little Princess Trust, Apps (PI), **Hankinson** (Co-I). Biological Response to Novel Treatments in Adamantinomatous Craniopharyngioma and Exploratory Profiling of Cystic Fluid. £39,510, Date 9/1/2021-8/31/2023
8. Morgan Adams Foundation, **Hankinson** (PI). Intelligent System Design for Interpretable Deep Learning Modeling of Rare Pediatric Brain Tumors from a Multi-disciplinary Perspective $20,000. Date 1/1/2021-12/31/2021
9. Morgan Adams Foundation, **Hankinson** (PI). Preclinical testing of the Immunotherapeutics Nivolumab, Bevacizumab and Adecatumumab using *ex vivo* Adamantinomatous Craniopharyngioma Tissue $15,000. Date 1/1/2021-12/31/2021
10. Morgan Adams Foundation, **Hankinson** (PI). Advancing Characterization of Epithelial-to-Mesenchymal Transition in ACP through Phospo-kinase Analysis. $12,000. Date 1/1/2021-12/31/2021
11. Morgan Adams Foundation, **Hankinson** (PI). Developing a Clinically Translatable Interpretable 3D Radiographic and Transcriptomic Joint Domain Deep Learning Framework for Limited Datasets Using Adamantinomatous Craniopharyngioma as an Example. $30,000. Date 1/1/2020-12/31/2020
12. Morgan Adams Foundation, **Hankinson** (PI). Characterization of Epithelial-to-Mesenchymal Transition in Adamantinomatous Craniopharyngioma. $5,000, Date 1/1/2020-12/31/2020
13. Children’s Hospital Colorado Center for Children’s Surgery Innovation Award. **Hankinson** (PI). Deep Learning Methods to Concurrently Interrogate Multiple Instances of Clinical Images to Enhance Patient Care. $25,000 8/1/2019-7/31/2020
14. NCI R03 CA235200 **Hankinson** (PI) Advancing Treatment for Pediatric Craniopharyngioma (ATPC): *in vivo* Tocilizumab Measurement. $155,500 2/4/2019-01/31/2021
15. Morgan Adams Foundation, **Hankinson** (PI). Predictive Diagnosis and Genomics of Pediatric Neurosurgical Tumors via Convolutional Neural Networks. $15,000, Date 1/1/2019-12/31/2019
16. Morgan Adams Foundation, Donson, Foreman, **Hankinson,** Vibhakar (PIs). Creation of a Single Cell Atlas of Pediatric Brain Tumors. $150,000, Date 1/1/2019-12/31/2020
17. GN-000522 - The Brain Tumour Charity, **Hankinson (PI),** Martinez-Barbera (Co-I). Identifying Directed Therapies for Adamantinomatous Craniopharyngioma using Advanced Biological Techniques and Genetically Engineered Mouse Models. £1,058,220, Date: 9/1/2018-9/1/2024
18. NCI R03 CA212800-01 **Hankinson** (PI) Advancing Treatment for Pediatric Craniopharyngioma (ATPC): Preliminary Assessment of the Cyst Fluid Inflammatory Milieu. $155,500 12/6/2016-12/5/2018
19. NINDS R01 107486-01 Kestle/Kulkarni/Limbrick (PIs)/**Hankinson (Site PI).** Endoscopic Versus Shunt Treatment of Hydrocephalus in Infants (ESTHI). $9,907,242 5/1/2019-4/30/2024
20. Cancer League of Colorado **Hankinson** (PI) Comparison of Adult Adamantinomatous Craniopharyngioma Gene Expression with Known Pediatric Gene Expression. $27,976 7/1/2017-6/30/2018
21. Colorado Traumatic Brain Injury Trust Fund. Bennett (PI), **Hankinson** (Co-I).Decision Making about Intracranial Pressure Monitoring in Children with Traumatic Brain Injury. $300,000 07/01/2017-06/30/2019
22. PCORI - CER-1403-13857. Whitehead (PI), **Hankinson (Site PI)** A Randomized Controlled Trial of Anterior Versus Posterior Entry Site for Cerebrospinal Fluid Shunt Insertion (EST). $2,514,333 1/1/2015-12/31/2018
23. Morgan Adams Foundation, **Hankinson** and Martinez-Barbera (Co-PIs). Pre-Clinical Trial of Anti-Inflammatory Monoclonal Antibodies in a Mouse Model of Adamantinomatous Craniopharyngioma. $15,000; 1/1/2017-12/31/2017
24. Morgan Adams Foundation, **Hankinson** (PI). Verification of Therapeutic Targets and Assessment of Tumor Heterogeneity using Microdissection and Next Generation Sequencing in Adamantinomatous Craniopharyngioma. $30,000; 1/1/2016-12/31/2016
25. Morgan Adams Foundation, **Hankinson** and Donson (Co-PIs). Pilot Study of IL-6 Mediated Inflammation in the Cystic Component of Adamantinomatous Craniopharyngioma. $20,000; 1/1/2016-12/31/2016
26. Cancer League of Colorado, Foreman/Hutaff-Lee (PIs); **Hankinson** (Co-PI), Novel Assessment of Neuropsychological Difficulties in Children. $60,000; 7/1/2015-6/30/2016
27. Morgan Adams Foundation, **Hankinson** (PI). Advancing Therapy for Pediatric Craniopharyngioma: Prospective Analysis of Tissue and Clinical Data. $40,000; 1/1/2015-12/31/2015
28. NIH UL1 TR001082/Children’s Hospital Colorado Foundation, KL2 Mentored Research Scholar. **Hankinson** (PI), Advancing Treatment for Pediatric Craniopharyngioma: Biologically Guided Medical Therapy. $105,900/yr; 12/1/2013-11/30/2016
29. PCORI, Limbrick (PI); **Hankinson** (Site PI). Posterior Fossa Decompression with or without Duraplasty for Chiari Type I Malformation with Syringomyelia. $2,819,475; 2016-2018
30. Morgan Adams Foundation, **Hankinson** (PI). Advancing Therapy for Pediatric Craniopharyngioma: Prospective Analysis of Tissue and Clinical Data. $20,000; 1/1/2014-12/31/2014
31. Morgan Adams Foundation, Gump, **Hankinson,** Tan (Co-PIs). Whole Genome DNA Sequencing of Craniopharyngioma. $25,000; 1/1/2014-12/31/2014
32. Morgan Adams Foundation, **Hankinson** (PI). Advancing Therapy for Pediatric Craniopharyngioma: Biologically Guided Medical Therapy. $20,000/yr; 1/1/2013-12/31/2013
33. Children’s Hospital Colorado Research Institute Pilot Award, **Hankinson** (PI) Creation and application of a secure multi-institutional research database for pediatric patients with craniopharyngioma. $15,000; 1/1/2012-12/31/2013
34. Pediatric Hydrocephalus Foundation. **Hankinson**. National Face of Hydrocephalus Awareness. $500; 2012
35. NIH 5T35HL007616-20, Oz (PI), Columbia University, Efficacy of Left Ventricular Assist Devices as emergent bridge to cardiac transplant in patients without thorough transplant evaluations. 6/1/1999-9/1/1999

Clinical Trials

1. CONNECT 1905: *Phase 2 Study of the IL-6R inhibitor ACTEMRA® (tocilizumab) for the treatment of Progressive/Recurrent Pediatric Adamantinomatous Craniopharyngioma.* Role: Principal Investigator
2. CONNECT 2108: *Phase 2 Study of* *the MEK inhibitor MEKTOVI® (binimetinib) for the treatment of Progressive/Recurrent Pediatric Adamantinomatous Craniopharyngioma.* Role: Principal Investigator
3. ATPC (Advancing Treatment for Pediatric Craniopharyngioma): *Prospective Pilot Study Identifying Clinically Relevant Biological Targets for Medical Therapy*. Role: Principal Investigator. ClinicalTrials.gov Identifier: NCT03610906
4. Children’s Hospital Colorado: *Tocilizumab in Children with Adamantinomatous Craniopharyngioma*. PI: Dorris. Role: Co-Investigator. ClinicalTrials.gov Identifier: NCT03970226

Consortium Participation

1. Advancing Treatment for Pediatric Craniopharyngioma: Founder and Lead – 2012-present
2. Hydrocephalus Clinical Research Network: Site Investigator – 2016-present
3. Park-Reeves Syringomyelia Research Consortium: Site Investigator – 2012-2019

Bibliography

Peer Reviewed Journals

1. Kuschner WG, **Hankinson TC**, Wong HH, and Blanc PD. *Nonprescription bronchodilator medication use in asthma*. Chest 1997 Oct; 112(4): 987-993. Epub 1997/10/23. PMID: 9377963
2. Williams M, Casher J, Joshi N, **Hankinson T**, Warren M, Oz M, Naka Y, and Mancini D. ***Insertion of a left ventricular assist device in patients without thorough transplant evaluations: a worthwhile risk?*** J. Thorac. Cardiovasc. Surg. 2003 126: 436-441. Epub 2003/08/21. PMID: 12928641
3. **Hankinson TC**, Klimo Jr. P, Feldstein N, Anderson R and Brockmeyer D. *Chiari Malformations, Syringomyelia and Scoliosis*. Neurosurg Clin N Am. 2007 Jul;18(3):549-568. Epub 2007/08/07. doi: 10.1016/j.nec.2007.04.002. PMID: 17678754.
4. **Hankinson TC**, Mocco J, Kimball B, Anderson RCE and NA Feldstein. *Internal Cranial Expansion Procedure for the Treatment of Symptomatic Intracranial Hypertension: Technical Note*. J Neurosurg. 2007 Nov; 107(5): 402-405. Epub 2008/05/10. doi: 10.3171/ped-07/11/402. PMID: 18459904. *(cover)*
5. D’ambrosio AD, Mocco J, **Hankinson TC**, van Loveren HR and Bruce JN. *Quantification of the Frontotemporal Orbitozygomatic (FTOZ) Approach Using a Three-dimensional Visualization and Modeling Application*. Neurosurgery 2008 Mar; 62(3 Suppl 1]: 251-260. Epub 2008/04/25. doi: 10.1227/01.neu.0000317401.38960.f6. PMID: 18424994.
6. **Hankinson TC**, Bohman L, Heyer G, Licursi M, Ghatan S, Feldstein NA and Anderson RCE. *Surgical Treatment of moyamoya syndrome in Patients with Sickle Cell Anemia: Outcome following encephaloduroarteriosynangiosis*. J Neurosurg Pediatrics. 2008 Mar; 1(3): 211-216. Epub 2008/03/21. doi: 10.3171/ped/2008/1/3/211. PMID: 18352765.
7. **Hankinson TC**,Bohman LS, Vanaman M, Egorova N, Orrico K, Bruce JN and Benzil D. *Geographical Neurosurgery Workforce Analysis from 1990 to 2005 Improves Our Understanding of the Role of Market Factors*. Clin Neurosurg. 2008; 55:145-149. Epub 2008/01/01. PMID: 19248681.
8. **Hankinson TC**, Ogden AT, Canoll P, Garvin JH, Kazim M, Bruce JN, Feldstein NA and Anderson RCE. *Intraorbital and Intracranial Soft Tissue Glomus Tumor in an 8 year old Child: Case Report and Review of the Literature*. J Neurosurg Pediatrics. 2008 May; 1(5): 389-391. Epub 2008/05/02. doi: 10.3171/ped/2008/1/5/389. PMID: 18447675.
9. Syed ON, **Hankinson TC**, Mack WJ, Feldstein NA and Anderson RCE. Radiolucent Hair Accessories Causing Depressed Skull Fracture Following Blunt Cranial Trauma. J Neurosurg Pediatrics. 2008 Dec;2(6):424-6. Epub 2008/11/28. doi: 10.3171/ped.2008.2.12.424. PMID: 19035690.
10. Bohman LS, Gallardo J, **Hankinson TC**, Waziri AE, Mandigo CE, McKhann GM2nd, Sisti MB, Canoll P, and Bruce JN. The Survival Impact of Post-operative Infection in Patients with Glioblastoma Multiforme. Neurosurgery. 2009 May;64(5):828-34. Epub 2009/05/01. doi: 10.1227/01.neu.0000343525.89321.c5. PMID: 19404146.
11. **Hankinson TC**, Vanaman M, Kan P, Laifer-Narin S, DeLaPaz R, Feldstein N and Anderson RCE. *Correlation between Ventriculomegaly on Prenatal Magnetic Resonance Imaging and the Need for Postnatal Ventricular Shunt Placement*. J Neurosurg Pediatrics. 2009 May; 3(5): 365-70. Epub 2009/05/05. doi: 10.3171/2009.1.peds08328. PMID: 19409014.
12. Bohman LE, Swanson KR, Moore JL, Rockne R, Mandigo C, **Hankinson T**, Assanah M, Canoll P, Bruce JN. *Magnetic Resonance Imaging Characteristics of Glioblastoma Multiforme: Implications for Understanding Glioma Ontogeny.* Neurosurgery. 2010 Nov; 67(5):1319-1328. Epub 2010/09/28. doi: 10.1227/NEU.0b013e3181f556ab. PMID: 20871424.
13. **Hankinson TC** and Anderson RCE. *Craniovertebral Junction Abnormalities in Down Syndrome.* Neurosurgery 2010 Mar; 66 (3 Suppl):32-38. Epub 2010/03/05. doi: 10.1227/01.neu.0000365803.22786.f0. PubMed PMID: 20173525.
14. **Hankinson TC**, Avellino AM, Harter D, Jea A, Lew S, Pincus D, Proctor M, Rodriguez L, Sacco D, Spinks T, Brockmeyer D and Anderson RCE. *Fusion Rates following Rigid Internal Fixation of the Occiput to C2 are Equivalent with or without C1 Instrumentation*. J Neurosurg Pediatrics 5:380-384, 2010. Epub 2010/04/07. doi: 10.3171/2009.10.peds09296. PMID: 20367344.
15. **Hankinson TC,** Fontana EJ, Anderson RCE and Feldstein NA. *Surgical Treatment of Single Suture Craniosynostosis: An Argument for Quantitative Methods to Evaluate Cosmetic Outcomes*. J Neurosurg Pediatr. 2010 Aug;6(2):193-7. Epub 2010/08/03. doi: 10.3171/2010.5.peds09313. PMID: 20672943.
16. **Hankinson TC,** Grunstein E, Gardner P, Spinks TJ and Anderson RCE. *Transnasal Odontoid Resection followed by Posterior Decompression and Occipitocervical Fusion in Children with Chiari I Malformation and Ventral Brainstem Compression.* J Neurosurg Pediatrics: 5:549-553, 2010. Epub 2010/06/03. doi: 10.3171/2010.2.peds09362. PMID: 20515325. *(cover)*
17. Tubbs RS, Griessenauer CJ, **Hankinson T**, Rozzelle CJ, Wellons JC 3rd, Blount JP, Oakes WJ and Cohen-Gadol AA. *Retroclival Epidural Hematomas: A Clinical Series*. Neurosurgery 2010 August; 67(2):404-7. Epub 2010/07/21. doi: 10.1227/01.neu.0000372085.70895.e7. PMID: 20644426.
18. Fusco MR, **Hankinson TC**, Rozzelle CJ. *Combined Occipito-Atlanto-Axial Rotatory Fixation: A Case Report and Review of the Literature.* J Neurosurg Pediatr. 2011 Aug;8(2):198-204. Epub 2011/08/03. doi: 10.3171/2011.5.peds10496. PMID: 21806363.
19. **Hankinson T,** RS Tubbs and Wellons JC 3rd. *Duraplasty or not? An evidence based review of the pediatric Chiari I Malformation*. Child’s Nerv Syst. 2011 Jan; 27(1):35-40. Epub 2010/10/05. doi: 10.1007/s00381-010-1295-7. PMID: 20890606.
20. **Hankinson TC**, Campagna EJ, Foreman NK, Handler MH. *Interpretation of Magnetic Resonance Images in Diffuse Intrinsic Pontine Glioma: A Survey of Pediatric Neurosurgeons*. J Neurosurg Pediatr. 2011 July; 8(1):97-102. Epub 2011/07/05. doi: 10.3171/2011.4.peds1180. PMID: 21721895.
21. Kleinschmidt-DeMasters BK, Birks D, Aisner DL, **Hankinson TC**, Rosenblum MK. *Atypical teratoid/rhabdoid tumor arising in a ganglioglioma: genetic characterization*. Am J Surg Path. 2011 Dec; 35(12):1894-1901. Epub 2011/11/16. doi: 10.1097/PAS.0b013e3182382a3f. PMID: 22082607.
22. Mortazavi M, Tubbs RS, **Hankinson TC**, Pugh JA, Cohen-Gadol AA, Oakes WJ. *The first posterior fossa decompression for Chiari malformation: the contributions of Cornelis Joachimus van Houweninge Graftdijk and a review of the infancy of “Chiari decompression”*. Child’s Nerv Syst. 2011 Nov;27(11):1851-6. Epub 2011/06/01. doi: 10.1007/s00381-011-1421-1. PMID: 21626007.
23. Pohlman GD, Wilcox DT, **Hankinson TC**. *Erosive Bladder Perforation as a Complication of Ventriculoperitoneal Shunt with Extrusion from the Urethral Meatus: Case Report and Review of the Literature*. Pediatric Neurosurgery. 2011;47(3):223-6. Epub 2012/01/10. doi: 10.1159/000334277. PMID: 22222434.
24. Tubbs RS, Bradley N, Harmon D, **Hankinson TC**, Kelly DR, and Wellons JC 3rd. *Involvement of the Brachial Plexus and its Branches by Cystic Hygromas.* J Neurosurg Pediatr. 2011 Mar;7(3):282-5. Epub 2011/03/03. doi: 10.3171/2010.12.peds10282. PubMed PMID: 21361768.
25. Tubbs RS, Azih LC, Mortazavi MM, Chern JJ, **Hankinson T**, Oakes WJ and Cohen-Gadol AA. *Transumbilical approach for ventriculoperitoneal shunt placement in infants and small children: a 6 year experience*. Child's nervous system. 2012;28(2):217-9. Epub 2011/02/03. doi: 10.1007/s00381-011-1403-3. PMID: 21286729.
26. Sufit A, Donson A, Birks D, Knipstein J, Fenton L, **Hankinson TC**, Handler MH and Foreman NK. *Diffuse Intrinsic Pontine Tumors: A Study of Primitive Neuroectodermal Tumors versus the more common Diffuse Intrinsic Pontine Gliomas.* J Neurosurg Pediatr. 2012 Aug;10(2): 81-8. Epub 2012 June 29. PMID: 22747092.
27. **Hankinson TC**, Fields EC, Torok MR, Beaty BL, Handler MH, Foreman NK, O’neill BR, and Liu AK. *Limited Utility Despite Accuracy of the National SEER Dataset for the Study of Craniopharyngioma*. J. Neurooncol. 2012 Nov; 110(2):271-8. PMID: 22915191
28. Rizk E, Chern JJ, Tagayun C, Tubbs RS, **Hankinson T**, Rozzelle C, Oakes WJ and Wellons JC. *Institutional Experience of Endoscopic Suprasellar Arachnoid Cyst Fenestration.* Child’s Nerv Syst. 2013 Jan 24 PMID: 23345020
29. Altunbas C, **Hankinson TC**, Miften M, Tello T, Plimpton SR, Stuhr K, and Liu AK. *Rotational Setup Errors in Pediatric Stereotactic Radiation Therapy*. Pract Radiat Oncol. 2013 Jul-Sep;3(3):194-8. doi: 10.1016/j.prro.2012.08.003. Epub 2012 Sep 19. PMID: 24674364
30. Plimpton SR, Stence N, Hemenway M, **Hankinson TC**, Foreman NK and Liu AK. *Cerebral Radiation Necrosis in Pediatric Patients*. Pediatric Hematology and Oncology, 2015 Feb;32(1):78-83. PMID: 23647507
31. Hoffman LM, Plimpton SR, Foreman NK, **Hankinson TC**, Handler MH, Hemenway MS, Vibhakar R, Liu AK. *Fractionated stereotactic radiation for recurrent ependymoma in children*. J Neurooncol. 2014 Jan;116(1):107-11.PMID: 24078173
32. Hoffman, LM, Donson AM, Nakachi I, Griesinger AM, Birks DK, Amani V, Hemenway MS, Liu AK, Wang M, **Hankinson TC**, Handler MH, Foreman NK. *Molecular sub-group specific immunophenotypic changes are associated with outcome in recurrent posterior fossa ependymoma.* Acta Neuropathol. 2014 May;127(5):731-45; PMID: 24240813
33. Kennedy BC, McDowell MM, Yang PH, Wilson CW, Sia L, **Hankinson TC**, Feldstein NA, Anderson RCE. *Pial synangiosis for Moyamoya syndrome in children with sickle cell anemia: a comprehensive review of reported cases*. Neurosurg Focus. 2014 Jan;36(1):E12. doi:10.3171/2013.10.FOCUS13405. PMID: 24380478
34. **Hankinson TC**, Palmeri NO, Williams S, Torok MR, Serrano CA, Foreman NK, Handler MH, Liu AK. *Patterns of Care for Craniopharyngioma: Survey of members of the American Association of Neurological Surgeons*. Pediatr Neurosurg 2014 Feb 21;49(3):131-6.PMID: 24577430
35. Dudley RWR, Torok MR, Gallegos D, Liu AK, Handler MH, **Hankinson TC**. *Pediatric Choroid Plexus Tumors: epidemiology, treatments, and outcome analysis on 202 children from the SEER Database.* J Neurooncol. 2015 Jan; 121(1): 201-7. DOI: 10.1007/s11060-014-1628-6. PMID 25297498
36. Salazar Davern M, Garg S, **Hankinson TC**. *Operative management of traumatic cervical spine distraction and complete cord transection in a 3-year-old patient.* J Neurosurg Pediatr. 2015 Feb;15(2):214-9. doi: 10.3171/2014.10.PEDS14242. Epub 2014 Nov 21. PMID: 25415253
37. Dudley RWR, Torok MR, Gallegos D, Mulcahy Levy J, Hoffman LM, Liu AK, Handler MH, **Hankinson TC**. *Pediatric Low Grade Ganglioglioma/Gangliocytoma: epidemiology, treatments, and outcome analysis on 348 children from the SEER database.* Neurosurgery. 2015 Mar;76(3):313-20. doi: 10.1227/NEU.0000000000000619. PMID: 25603107
38. Gump JM, Donson AM, Birks D, Amani VM, Rao K, Griesinger AM, Kleinschmidt-DeMasters BK, Johnston JM, Anderson RCE, Rosenfeld A, Handler MH, Gore L, Foreman NK, **Hankinson TC**. *Identification of Targets for Rational Pharmacological Therapy in Childhood Craniopharyngioma.* Acta Neuropathol Commun. 2015 May 21;3(1):30. doi: 10.1186/s40478-015-0211-5. PMID: 25990246
39. Patibandla MR, Ridder T, Dorris K, Torok MR, Liu AK, Handler MH, Stence NV, Fenton LZ, **Hankinson TC**. *Atypical Pediatric Ganglioglioma is Associated with a Less Favorable Clinical Course.* J Neurosurg Pediatr. 2016 Jan;17(1):41-8. PMID: 26431248
40. Richardson MD, Palmeri NO, Williams SA, Torok MR, O’neill BR, Handler MH, **Hankinson TC**. *Routine Perioperative Ketorolac Administration is Not Associated with Hemorrhage in Pediatric Neurosurgery Patients*, J Neurosurg Pediatr. 2016 Jan;17(1):107-15. PMID: 26451718
41. **Hankinson TC**, Patibandla MR, Green A, Hemenway M, Foreman NK, Handler MH, Liu AK. *Hypofractionated Radiotherapy for Children with Diffuse Intrinsic Pontine Gliomas.* Pediatr Blood Cancer. 2016 Apr;63(4):716-8. doi: 10.1002/pbc.25836. Epub 2015 Nov 6. PMID: 26544789
42. **Hankinson TC**, Dudley RWR, Torok MR, Patibandla MR, Dorris K, Poonia S, Wilkinson CC, Bruny JL, Handler MH and Liu AK*. Short-term Mortality following surgical procedures for the Diagnosis of Pediatric Brain Tumors: Outcome Analysis Regarding 5533 Children from SEER: 2004-2011.* J Neurosurg: Pediatr. 2015 Nov 20:1-9. PMID 26588456
43. Poonia S, Graber S, Wilkinson CC, O’neill BR, Handler MH, **Hankinson TC.** *Outcome of Hospital Discharge on Postoperative Day #1 Following Uncomplicated Tethered Spinal Cord Release.* J Neurosurg: Pediatr. 2016 Feb: 1-6. PMID 26849810
44. **Hankinson TC**, Beauchamp K. [*Pediatric Traumatic Brain Injury: The Global View.*](http://www.ncbi.nlm.nih.gov/pubmed/27302559) World Neurosurg. 2016 Jun 11. pii: S1878-8750(16)30397-7. doi: 10.1016/j.wneu.2016.06.012. PMID: 27302559
45. Robinson LC, Santagata S, **Hankinson TC**. *Potential Evolution of Neurosurgical Treatment Paradigms for Craniopharyngioma Based on Genomic and Transcriptomic Characteristics*. Neurosurg Focus. 2016 Dec;41(6):E3. PMID: 27903126
46. O’neill BR,Gallegos D, Herron A, Palmer C, Stence N, **Hankinson TC**, Wilkinson CC, Handler MH. *Use of MRI to detect occult spinal dysraphism in infants*. J Neurosurg Pediatr. 2017 Feb;19(2):217-226. doi: 10.3171/2016.8.PEDS16128. PMID: 27911245
47. Waxweiler TV, Amini A, Vinogradskiy Y, Yeh N, Foreman NK, **Hankinson TC**, Liu AK.[*Hypofractionated re-irradiation to the brainstem in children with recurrent brain tumors.*](https://www.ncbi.nlm.nih.gov/pubmed/28342300) Pediatr Blood Cancer. 2017 May;64(5). doi: 10.1002/pbc.26341. Epub 2016 Nov 5. PMID: 28342300
48. Mulcahy Levy JM, Zahedi S, Griesinger AM, Morin A, Davies KD, Aisner DL, Kleinschmidt-DeMasters BK, Fitzwalter BE, Goodall ML, Thorburn J, Amani V, Donson AM, Birks DK, Mirsky DM, **Hankinson TC**, Handler MH, Green AL, Vibhakar R, Foreman NK, Thorburn A. [*Autophagy inhibition overcomes multiple mechanisms of resistance to BRAF inhibition in brain tumors.*](https://www.ncbi.nlm.nih.gov/pubmed/28094001)Elife. 2017 Jan 17;6. pii: e19671. doi: 10.7554/eLife.19671. PMID: 28094001
49. **Hankinson TC**, Kleinschmidt-DeMasters BK. [*Mini-Symposium: Adamantinomatous Craniopharyngioma and Xanthomatous Lesions of the Sella.*](https://www.ncbi.nlm.nih.gov/pubmed/28236347) Brain Pathol. 2017 May;27(3):356-357. PMID: 28236347
50. Kleinschmidt-DeMasters BK, Lillehei KO, **Hankinson TC**. [*Review of xanthomatous lesions of the sella.*](https://www.ncbi.nlm.nih.gov/pubmed/28236350)Brain Pathol. 2017 May;27(3):377-395. PMID: 28236350
51. **Hankinson TC**, Tuite G, Moscoso D, Robinson L, Torner J, Limbrick DD, Park TS, Anderson RCE for the Park-Reeves Syringomyelia Research Consortium Investigators. *Analysis and Inter-rater Reliability of pB-C2 using MRI and CT: Data from the Park-Reeves Syringomyelia Research Consortium on Behalf of the Pediatric Craniocervical Society*. [J Neurosurg Pediatr.](https://www.ncbi.nlm.nih.gov/pubmed/?term=hankinson+TC+or+Hankinson+t) 2017 May 19:1-6. PMID: 28524792
52. Amani V, Donson AM, Lummus SC, Prince EW, Griesinger AM, Witt DA, **Hankinson TC**, Handler MH, Dorris K, Vibhakar R, Foreman NK, Hoffman LM. [*Characterization of 2 Novel Ependymoma Cell Lines with Chromosome 1q Gain Derived from Posterior Fossa Tumors of Childhood.*](https://www.ncbi.nlm.nih.gov/pubmed/28863455) J Neuropathol Exp Neurol. 2017 Jul 1;76(7):595-604. PMID: 28863455
53. Donson A, Apps J, Griesinger AM, Amani V, Witt DA, Anderson RCE, Niazi TN, Grant G, Souweidane M, Johnston JM, Jackson EM, Kleinschmidt-DeMasters BK, Handler MH, Tan A, Gore L, Virasami A, Gonzalez-Meljem JM, Jacques TS, Martinez-Barbera JP, Foreman NK, **Hankinson TC** for the Advancing Treatment for Pediatric Craniopharyngioma Consortium. *Molecular Analyses Reveal Inflammatory Mediators in the Solid Component and Cyst Fluid of Human Adamantinomatous Craniopharyngioma*. J Neuropathol Exp Neurol. 2017 Sept; 76(9):779-88 PMID: 28859336
54. Sumner WA, Amini A, **Hankinson TC**, Foreman NK, Gaspar LE, Kavaugh BD, Karam SD, Rusthoven CG, Liu AK. *Survival Benefit of Postoperative Radiation in Papillary Meningioma: Analysis of the National Cancer Database.* Reports of Practical Oncology & Radiotherapy. 2017.vol 22 (6). 495-501
55. Brockmeyer DL, Sivakumar W, Mazur MD, Sayama CM, Goldstein HE, Lew SM, **Hankinson TC**, Anderson RCE, Jea A, Aldana PR, Proctor M, Hedequist D, Riva-Cambrin JK; Pediatric Craniocervical Society. [*Identifying Factors Predictive of Atlantoaxial Fusion Failure in Pediatric Patients: Lessons Learned From A Retrospective Pediatric Craniocervical Society Study.*](https://www.ncbi.nlm.nih.gov/pubmed/29189644) Spine (Phila Pa 1976). 2017 Nov 20. PMID: 29189644
56. Yang MJ, Whelan R, Madden J, Mulcahy Levy JM, Kleinschmidt-DeMasters BK, **Hankinson TC**, Foreman NK, Handler MH. [*Intracranial Ewing sarcoma: four pediatric examples.*](https://www.ncbi.nlm.nih.gov/pubmed/29285586) Childs Nerv Syst. 2017 Dec 28. doi: 10.1007/s00381-017-3684-7. PMID: 29285586
57. Coy S, Rashid R, Lin JR, Du Z, Donson AM, **Hankinson TC**, Foreman NK, Manley PE, Kieran MW, Reardon DA, Sorger PK, Santagata S. [*Multiplexed Immunofluorescence Reveals Potential PD-1/PD-L1 Pathway Vulnerabilities in Craniopharyngioma.*](https://www.ncbi.nlm.nih.gov/pubmed/29509940) Neuro Oncol. 2018 Mar 2. PMID: 29509940
58. Dudley RWR, Torok MR, Randall S, Béland B, Handler MH, Mulcahy-Levy JM, Liu AK, **Hankinson TC.** [*Pediatric versus adult meningioma: comparison of epidemiology, treatments, and outcomes using the Surveillance, Epidemiology, and End Results database.*](https://www.ncbi.nlm.nih.gov/pubmed/29520612) J Neurooncol. 2018 Mar 9. PMID: 29520612
59. [Apps JR](https://www.ncbi.nlm.nih.gov/pubmed/?term=Apps%20JR%5BAuthor%5D&cauthor=true&cauthor_uid=29541918), [Carreno G](https://www.ncbi.nlm.nih.gov/pubmed/?term=Carreno%20G%5BAuthor%5D&cauthor=true&cauthor_uid=29541918), [Gonzalez-Meljem JM](https://www.ncbi.nlm.nih.gov/pubmed/?term=Gonzalez-Meljem%20JM%5BAuthor%5D&cauthor=true&cauthor_uid=29541918), [Haston S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Haston%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29541918), **…** **Hankinson T**, **…**[Martinez-Barbera JP](https://www.ncbi.nlm.nih.gov/pubmed/?term=Martinez-Barbera%20JP%5BAuthor%5D&cauthor=true&cauthor_uid=29541918). [*Tumour compartment transcriptomics demonstrates the activation of inflammatory and odontogenic programmes in human adamantinomatous craniopharyngioma and identifies the MAPK/ERK pathway as a novel therapeutic target.*](https://www.ncbi.nlm.nih.gov/pubmed/29541918)[Acta Neuropathol.](https://www.ncbi.nlm.nih.gov/pubmed/?term=hankinson+TC+or+Hankinson+T) 2018 Mar 14.PMID: 29541918
60. Robinson LC, Anderson RCE, Brockmeyer DL, Torok MR, **Hankinson TC**; Pediatric Craniocervical Society. [*Comparison of Fusion Rates Based on Graft Material Following Occipitocervical and Atlantoaxial Arthrodesis in Adults and Children.*](https://www.ncbi.nlm.nih.gov/pubmed/29554356) Oper Neurosurg (Hagerstown). 2018 Mar 15. doi: 10.1093/ons/opy013. PMID: 29554356
61. Whelan RJ, Saccomano B, King R, Dorris K, Hemenway M, **Hankinson TC**, Liu AK. *Radiation-induced Cataracts in Children with Brain Tumors Receiving Craniospinal Irradiation.* J Pediatr Hematol Oncol. 2018 Apr 4. PMID: 29621062
62. Goldstein HE, Neira JA, Banu M, …, **Hankinson TC**,… Anderson RCE. *Growth and alignment of the pediatric subaxial cervical spine following rigid instrumentation and fusion: a multicenter study of the Pediatric Craniocervical Society*. J Neurosurg Pediatr. 2018 Jul;22(1):81-88. PMID: 29676682.
63. Rocque BG, Agee BS, Thompson EM, Piedra M, Baird LC, Selden NR, Greene S, Deibert CP, **Hankinson TC**, Lew SM, Iskandar BJ, Bragg TM, Frim D, Grant G, Gupta N, Auguste KI, Nikas DC, Vassilyadi M, Muh CR, Wetjen NM, Lam SK. *Complications following pediatric cranioplasty after decompressive craniectomy: a multicenter retrospective study*. J Neurosurg Pediatr. 2018 Jun 8:1-8. PMID: 29882736.
64. Donson AD, Amani V, Warner EA, Griesinger AM, Witt DA , Mulcahy Levy JM, Hoffman LM , **Hankinson TC** , Handler MH , Vibhakar R , Dorris K, Foreman NK. *Identification of FDA-approved oncology drugs with selective potency in high-risk childhood ependymoma*. Molecular Cancer Therapeutics. 2018 Jun 20. PMID 29925527
65. Alexiades NG, Ahn ES, Blount JP, Brockmeyer DL, Browd SR, Grant GA, Heuer GG, **Hankinson TC**, Iskandar BJ, Jea A, Krieger MD, Leonard JR, Limbrick DD Jr, Maher CO, Proctor MR, Sandberg DI, Wellons JC 3rd, Shao B, Feldstein NA, Anderson RCE. [*Development of best practices to minimize wound complications after complex tethered spinal cord surgery: a modified Delphi study.*](https://www.ncbi.nlm.nih.gov/pubmed/30215584) J Neurosurg Pediatr. 2018 Sep 14:1-9. PMID: 30215584
66. Greenberg JK, Jeffe DB, Carpenter CR, Yan Y, Pineda JA, Lumba-Brown A, Keller MS, Berger D, Bollo RJ, Ravindra VM, Naftel RP, Dewan MC, Shah MN, Burns EC, O'Neill BR, **Hankinson TC**, Whitehead WE, Adelson PD, Tamber MS, McDonald PJ, Ahn ES, Titsworth W, West AN, Brownson RC, Limbrick DD. North American survey on the post-neuroimaging management of children with mild head injuries. J Neurosurg Pediatr. 2018 Oct 26;23(2):227-235. PMID: 30485194.
67. Norris GA, Garcia J, **Hankinson TC**, Handler M, Foreman N, Mirsky D, Stence N, Dorris K, Green AL. Diagnostic accuracy of neuroimaging in pediatric optic chiasm/sellar/suprasellar tumors. Pediatr Blood Cancer. 2019 Mar 8:e27680. doi:10.1002/pbc.27680. PMID: 30848081.
68. Dahl NA, Pratt D, Camelo-Piragua S, Kumar-Sinha C, Mody RJ, Septer S, **Hankinson TC**, Chinnaiyan AM, Koschmann C, Hoffman L. Pediatric craniopharyngioma in association with familial adenomatous polyposis. Fam Cancer. 2019 Mar 27. PubMed PMID: 30919136.
69. Bennett TD, Marsh R, Maertens JA, Rutebemberwa A, Morris MA, **Hankinson TC**, Matlock DD. Decision-Making about Intracranial Pressure Monitor Placement in Children with Traumatic Brain Injury. Pediatr Crit Care Med. 2019 Apr 5. PMID: 30985605.
70. Goldstein HE, Shao B,… **Hankinson TC**…Anderson RCE. Increased complications without neurological benefit are associated with prophylactic spinal cord untethering prior to scoliosis surgery in children with myelomeningocele. Childs Nerv Syst. 2019 Jul 2. PMID: 31267182.
71. Pierce AM, Witt DA, … **Hankinson T…** Griesinger AM. Establishment of patient-derived orthotopic xenograft model of 1q+ posterior fossa group A ependymoma. Neuro Oncol. 2019 Jul 4. PMID: 31276586.
72. Alford EN, Hopson BD, Safyanov F, Arynchyna A, Bollo R, **Hankinson TC**, Rocque BG, Blount JP. Care management and contemporary challenges in spina bifida: a practice preference survey of the American Society for Pediatric Neurosurgery. J Neurosurg Pediatr. 2019 Aug 30:1-10. PMID 31470398
73. Strahle J,…**Hankinson TC**…Limbrick DD. Radiological and clinical predictors of scoliosis in patients with Chiari malformation type I and spinal cord syrinx from the Park-Reeves Syringomyelia Research Consortium. J Neurosurg Pediatr. 2019 Aug 16:1-8. PMID: 31419800.
74. Derderian SC, Greenan K, Mirsky DM, Stence NV, Graber S, Hubbell N, Alexander A, O’Neill BR, Wilkinson CC, **Hankinson TC**, Handler MH. MRI Utilization in Pediatric Trauma Patients Suspected of Having Cervical Spine Injuries. J Trauma Acute Care Surg. 2019 Aug 16. PMID: 31425496.
75. Grob S, Mirsky DM, Donson AM, Dahl NA, Foreman NK, Hoffman LM, **Hankinson TC**, Mulcahy Levy JM. Targeting IL-6 is a Potential Treatment for Primary Cystic Craniopharyngioma. Front Oncol. 2019 Aug 21;9:791. PMID 31497533
76. Whelan R, Prince E, Mirsky DM, Naftel R, Bhatia A, Pettorini B, Avula S, Staulcup S, Alexander AL, Meier M, **Hankinson TC**. Inter-rater Reliability of a Method to Assess Hypothalamic Involvement in Pediatric Adamantinomatous Craniopharyngioma. J Neurosurg Pediatr. 2019 Oct 11:1-6. PMID 31604324
77. Zahedi S, Fitzwalter B, Morin A, Grob S, Desmarais M, Nellan A, Green A, Vibhakar R, **Hankinson TC**, Foreman N, Mulcahy Levy JM. Effect of early stage autophagy inhibition in BRAFV600E autophagy dependent brain tumor cells. Cell Death Dis. 2019 Sep 12;10(9):679. PMID 31515514
78. Lake JA, Donson AM, Prince E, Davies KD, Nellan A, Green AL, Mulcahy Levy J,Dorris K, Vibhakar R, **Hankinson TC**, Foreman NK, Ewalt MD, Kleinschmidt-DeMasters BK, Hoffman LM, Gilani A. Targeted fusion analysis can aid in the classification and treatment of pediatric glioma, ependymoma, and glioneuronal tumors. Pediatr Blood Cancer. 2019 Oct 8:e28028. PMID: 31595628.
79. Marsh R, Matlock DD, Maertens JA, Rutebemberwa A, Morris MA, **Hankinson TC**, Bennett TD Parental Involvement in Decision Making about Intracranial Pressure Monitor Placement in Children with Traumatic Brain Injury. J Neurosurg Pediatr. 2019;1–9. PMID 31675722
80. Neuberger I, **Hankinson TC**, Meier M, Mirsky D. Utility of Image Fusion Software in Identifying Shunt Malfunction. Child’s Nervous System, 2020 Jan 18. PMID: 31955215.
81. Hersh DS, Dave P, Weeks M, **Hankinson TC**, Karimian B, Staulcup S, Van Poppel MD, Wait SD, Vaughn BN, Klimo Jr. P.Converting pediatric patients and young adults from a shunt to a third ventriculostomy: a multicenter evaluation. *Neurosurgery*, 2019 Nov 26. 31768534
82. Hengartner A, Prince E, Vijmasi T, and **Hankinson TC**. Adamantinomatous Craniopharyngioma: Moving Towards Targeted Therapies. Neurosurgical Focus, Neurosurg Focus. 2020 Jan 1;48(1):E7. PMID: 31896087
83. Moreau JT, **Hankinson TC**, Baillet S, Dudley RWR. Individual-patient prediction of meningioma malignancy and survival using the Surveillance, Epidemiology, and End Results database. *NPJ Digit Med*. 2020;3:12. Published 2020 Jan 30. PMID 32025573
84. Whelan R, Prince E, Gilani A, **Hankinson T**. The Inflammatory Milieu of Adamantinomatous Craniopharyngioma and Its Implications for Treatment. *J Clin Med*. 2020;9(2):E519. Published 2020 Feb 14. PMID:32075140
85. Prince E, Whelan R, Donson A,…**Hankinson TC**. Transcriptional analyses of adult and pediatric adamantinomatous craniopharyngioma reveals similar expression signatures regarding potential therapeutic targets. *Acta Neuropathol Commun*. 2020;8(1):68. Published 2020 May 13. doi:10.1186/s40478-020-00939-0. PMID: 32404202
86. Whelan R., Hengartner A., Folzenlogen Z., Prince E., **Hankinson TC** (2020). Adamantinomatous craniopharyngioma in the molecular age and the potential of targeted therapies: a review. *Child's Nervous System*, *14*(8), 1070–8. <http://doi.org/10.1007/s00381-020-04677-5>. PMID: 32440897
87. Pindrik J, Riva-Cambrin J, Kulkarni AV,…**Hankinson TC,**… et al. Surgical resource utilization after initial treatment of infant hydrocephalus: comparing ETV, early experience of ETV with choroid plexus cauterization, and shunt insertion in the Hydrocephalus Clinical Research Network [published online ahead of print, 2020 Jun 19]. *J Neurosurg Pediatr*. 2020;1-9. PMID 32559741
88. Green AL, Flannery P, **Hankinson TC**, et al. Preclinical and clinical investigation of intratumoral chemotherapy pharmacokinetics in DIPG using gemcitabine. *Neurooncol Adv*. 2020;2(1):vdaa021. Published 2020 Feb 24. doi:10.1093/noajnl/vdaa021. PMID 32642682
89. Hengartner AC, Whelan R, Maj R, Wolter-Warmerdam K, Hickey F, **Hankinson TC.** Evaluation of 2011 AAP cervical spine screening guidelines for children with Down Syndrome [published online ahead of print, 2020 Aug 10]. *Childs Nerv Syst*. 2020;10.1007/s00381-020-04855-5. PMID 32778937
90. Gillen AE, Riemondy KA, Amani V,…**Hankinson TC**…Donson AM. et al. Single-Cell RNA Sequencing of Childhood Ependymoma Reveals Neoplastic Cell Subpopulations That Impact Molecular Classification and Etiology. *Cell Rep*. 2020;32(6):108023. PMID: 32783945
91. Hengartner AC, Putty M, Young M, Maloney JA, Mirsky DM, **Hankinson TC.** "Growing cerebellum" requiring operative decompression following perinatal ventriculoperitoneal shunting. Childs Nerv Syst. 2020 Sep 22. doi: 10.1007/s00381-020-04864-4. Epub ahead of print. PMID: 32964258.
92. Grob ST, Nobre L, Campbell KR, Davies KD, Ryall S, Aisner DL, Hoffman L, Zahedi S, Morin A, Crespo M, Nellan A, Green AL, Foreman N, Vibhakar R, **Hankinson TC**, Handler MH, Hawkins C, Tabori U, Kleinschmidt-DeMasters BK, Mulcahy Levy JM. Clinical and molecular characterization of a multi-institutional cohort of pediatric spinal cord low-grade gliomas. Neurooncol Adv. 2020 Aug 24;2(1):vdaa103. doi: 10.1093/noajnl/vdaa103. PMID: 33063010
93. Prince EW, Whelan R, Mirsky DM, Stence N, Staulcup S, Klimo P, Anderson RCE, Niazi TN, Grant G, Souweidane M, Johnston JM, Jackson EM, Limbrick DD Jr, Smith A, Drapeau A, Chern JJ, Kilburn L, Ginn K, Naftel R, Dudley R, Tyler-Kabara E, Jallo G, Handler MH, Jones K, Donson AM, Foreman NK, **Hankinson TC**. Robust deep learning classification of adamantinomatous craniopharyngioma from limited preoperative radiographic images. Sci Rep. 2020 Oct 9;10(1):16885. doi: 10.1038/s41598-020-73278-8. PMID: 33037266; PMCID: PMC7547020.
94. CreveCoeur TS, Yahanda AT, … **Hankinson TC**, …Limbrick DD. Occipital-cervical fusion and ventral decompression in the surgical management of Chiari-1 malformation and syringomyelia: analysis of data from the Park-Reeves Syringomyelia Research Consortium. *Neurosurgery* 2021 Jan 13; 88(2):332-341 doi: 10.1093/neuros/nyaa460. PMID: 33313928
95. Hauptman JS, Kestle J, Riva-Cambrin J, … **Hankinson TC**…, Holubkov R; Hydrocephalus Clinical Research Network. Predictors of fast and ultrafast shunt failure in pediatric hydrocephalus: a Hydrocephalus Clinical Research Network study. J Neurosurg Pediatr. 2020 Dec 18:1-10. PMID: 33338993.
96. Hale AT, Riva-Cambrin J, Wellons JC, Jackson EM, Kestle JRW, Naftel RP, **Hankinson TC**, Shannon CN; Hydrocephalus Clinical Research Network. Machine learning predicts risk of cerebrospinal fluid shunt failure in children: a study from the hydrocephalus clinical research network. Childs Nerv Syst. 2021 Jan 30. Epub ahead of print. PMID: 33515058.
97. Yahanda AT, Adelson PD, … **Hankinson TC**…, Limbrick DD. Dural augmentation approaches and complication rates after posterior fossa decompression for Chiari I malformation and syringomyelia: a Park-Reeves Syringomyelia Research Consortium study. J Neurosurg Pediatr. 2021 Feb 12:1-10. doi: 10.3171/2020.8.PEDS2087. Epub ahead of print. PMID: 33578390.
98. Alexiades NG, Shao B, … **Hankinson TC**,… Anderson RCE. Development of best practices in the utilization and implementation of pediatric cervical spine traction: a modified Delphi study. J Neurosurg Pediatr. 2021 Apr 2:1-12. doi: 10.3171/2020.10.PEDS20778. Epub ahead of print. PMID: 33799292.
99. Yengo-Kahn AM, Wellons JC, **Hankinson TC**, …, Kestle JRW; Hydrocephalus Clinical Research Network. Treatment strategies for hydrocephalus related to Dandy-Walker syndrome: evaluating procedure selection and success within the Hydrocephalus Clinical Research Network. J Neurosurg Pediatr. 2021 Apr 30:1-9. Epub ahead of print. PMID: 33930865.
100. Prince, E. W., Hoffman, L. M., Vijmasi, T., Dorris, K., McWilliams, J. A., Jordan, K. R., Mirsky, D. M., & **Hankinson, TC.** (2021). Adamantinomatous craniopharyngioma associated with a compromised blood–brain barrier: patient series, *Journal of Neurosurgery: Case Lessons JNSCL*, *1*(19), CASE2150. <https://thejns.org/caselessons/view/journals/j-neurosurg-case-lessons/1/19/article-CASE2150.xml>
101. Riemondy KA, Venkataraman S, …**Hankinson TC,**…,Donson AM, Vibhakar R. Neoplastic and immune single cell transcriptomics define subgroup-specific intra-tumoral heterogeneity of childhood medulloblastoma. Neuro Oncol. 2021 Jun 2. Epub ahead of print. PMID: 34077540.
102. Sadler B, Skidmore A, Gewirtz J,…**Hankinson TC**…Limbrick DD, Strahle JM. Extradural decompression versus duraplasty in Chiari malformation type I with syrinx: outcomes on scoliosis from the Park-Reeves Syringomyelia Research Consortium. J Neurosurg Pediatr. 2021 Jun 18:1-9. Epub ahead of print. PMID: 34144521
103. DeSisto J, Lucas JT Jr, …**Hankinson TC**,… Orr BA, Green AL. Comprehensive molecular characterization of pediatric radiation-induced high-grade glioma. Nat Commun. 2021 Sep 20;12(1):5531. PMID: 34545084; PMCID: PMC8452624.
104. Reynolds RA, Ahluwalia R, … **Hankinson TC**,…Shannon CN, Naftel R. Risk factors for unchanged ventricles during pediatric shunt malfunction. J Neurosurg Pediatr. 2021 Sep 24:1-7. doi: 10.3171/2021.6.PEDS2125. Epub ahead of print. PMID: 34560626
105. Whitehead WE, Riva-Cambrin J, Wellons JC, …, **Hankinson TC,**… Drake JM, Kestle JRW. Anterior versus posterior entry site for ventriculoperitoneal shunt insertion: a randomized controlled trial by the Hydrocephalus Clinical Research Network. J Neurosurg Pediatr. 2021 Nov 19:1-11. doi: 10.3171/2021.9.PEDS21391. Epub ahead of print. PMID: 34798600
106. Akbari SHA, Rizvi AA, CreveCoeur TS, … **Hankinson TC**,… Park TS, Limbrick DD. Socioeconomic and demographic factors in the diagnosis and treatment of Chiari malformation type I and syringomyelia. J Neurosurg Pediatr. 2021 Dec 3:1-10. doi: 10.3171/2021.9.PEDS2185. Epub ahead of print. PMID: 34861643
107. Reardon T, Koller G, Kortz MW, McCray E, Wittenberg B, **Hankinson TC**. Pharmacological neuroprotection and clinical trials of novel therapies for neonatal peri-intraventricular hemorrhage: a comprehensive review. Acta Neurol Belg. 2022 Feb 19. doi: 10.1007/s13760-022-01889-1. Epub ahead of print. PMID: 35182373.
108. Rydin AA, Severn C, Pyle L, Dorris K, Chambers C, Stiller D, **Hankinson TC**, Inge T, Haemer MA, Mirsky DM, Moore J, Kelsey MM. Novel clinical algorithm for hypothalamic obesity in youth with brain tumours and factors associated with excess weight gain. Pediatr Obes. 2022 Feb 27:e12903. doi: 10.1111/ijpo.12903. Epub ahead of print. PMID: 35224874.
109. Chu J, Jensen H, Holubkov R… **Hankinson TC**…Kestle JRW for the Hydrocephalus Clinical Research Network. The Hydrocephalus Clinical Research Network quality improvement initiative: the role of antibiotic impregnated catheters and vancomycin wound irrigation. accepted for publication. J Neurosurg Pediatr
110. Akbari SHA, Yahanda AT, Ackerman LL,…**Hankinson TC**…, Park TS, Limbrick DD. [Complications and outcomes of posterior fossa decompression with duraplasty versus without duraplasty for pediatric patients with Chiari malformation type I and syringomyelia: a study from the Park-Reeves Syringomyelia Research Consortium.](https://pubmed.ncbi.nlm.nih.gov/35426814/) J Neurosurg Pediatr. 2022 Apr 15:1-13. doi: 10.3171/2022.2.PEDS21446. Online ahead of print. PMID: 35426814

Books and Monographs

Book Chapters & Invited Articles

1. **Hankinson TC**, J O’toole and MG Kaiser. “Multilevel ACDF versus Corpectomy for Cervical Kyphotic Deformity” in ­Spinal Deformity: A Guide to Surgical Planning and Management. eds. Mummaneni P, Haid R, Lenke L. St. Louis: Quality Medical Publishers. 2008
2. **Hankinson TC**, Robinson L, Bruce JN. Skull Base Tumors. Medscape Reference. Updated February 27, 2015. Available at: <http://emedicine.medscape.com/article/250237-overview>.
3. **Hankinson TC**, RCE Anderson and NA Feldstein. “Myelomeningocele and Myelocystocele” in H. Richard Winn (ed.), Youman’s Neurological Surgery. 6th ed., Elsevier, 2011
4. **Hankinson TC**, Tubbs RS, Wellons JC: “Chiari I Malformation in Children”. In Paediatric Neurosurgery, Evidence Based Neurosurgery. Ghogawala Z, Krishnaney A, Steinmetz M, Batjer H, Benzel E. (Eds), TFM Publishing, Ltd., *in press*
5. Tubbs R, **Hankinson TC**. Circle of Willis. eMedicine from WebMD. Updated June 30, 2011. Available at: <http://emedicine.medscape.com/article/1877617-overview>.
6. **Hankinson TC**, RS Tubbs and WJ Oakes. “Surgical Decision-making and Treatment Options for Chiari Malformations in Children” in Quinones-Hinojosa A (ed). Schmidek & Sweet Operative Neurosurgical Techiques, 6th ed. Elsevier, 2012
7. Tubbs RS, **TC Hankinson** and JC Wellons. “The Chiari Malformations and Syringohydromyelia” in R. Ellenbogen (ed.), Principles of Neurosurgery, 3rd ed., Philadelphia, Elsevier, 2012
8. Ajani O and **TC Hankinson**. “Duraplasty versus Non-dural Opening for the Treatment of Pediatric Chiari Malformation, Type I” in Tubbs RS and Oakes WJ (ed.). The Chiari Malformations. New York, NY, Springer-Verlag, 2013
9. Richardson MD and **TC Hankinson**. "Intracranial Hemorrhage after Cardiac Intervention". in da Cruz E, Ivy D, Hraska V, and Jagger J (eds.). Pediatric Cardiology, Cardiac Surgery and Intensive Care. Springer-Verlag, London, 2014
10. **Hankinson TC**. *An Introduction to Telemedicine in Neurosurgical Practice*. AANS Neurosurgeon. 2012 Feb; 20(1)
11. **Hankinson TC**, O'Neill BR. Ventriculoatrial Shunt Placement. Medscape Reference. Updated March 20, 2014. Available at: <http://emedicine.medscape.com/article/1895753-overview>.
12. Ridder T, Anderson RCE, **Hankinson TC**. “Ventral Decompression for Chiari Malformation, Basilar Invagination, and Related Disorders”. Neurosurg Clin N Am. 2015 Oct;26(4):571-8. doi: 10.1016/j.nec.2015.06.011. Epub 2015 Aug 4. PMID: 26408067
13. Liu A, **Hankinson TC**, Wolff JEA. “Choroid Plexus Tumors” in Paulino A and Mahajan A (eds.) Radiation Oncology for Pediatric CNS Tumors, Springer, 2018
14. Dudley RW, Torok MR, Hoffman L, Levy JM, Handler MH, Liu AK, **Hankinson TC**. [Response to Journal Club: Pediatric Low-Grade Ganglioglioma: Epidemiology, Treatments, and Outcome Analysis of 348 Children From the Surveillance, Epidemiology, and End Results Database.](http://www.ncbi.nlm.nih.gov/pubmed/27428632) Neurosurgery. 2016 Aug;79(2):309. doi: 10.1227/NEU.0000000000001275. PMID: 27428632
15. Robinson L, Santagata S, **Hankinson TC**. “Transcriptomic and Genomic Analyses of Human Craniopharyngioma” in Basic Research and Clinical Aspects of Adamantinomatous Craniopharyngioma. Martinez-Barbera J and Andoniadou C, eds. Springer, 2017
16. Greenan K, Mirsky D, **Hankinson TC**. “Imaging of Occult Spinal Dysraphism” in, Occult Spinal Dysraphism, Tubbs RST, Oskouian RJ, Oakes WJ, and Blount J. eds, Springer International Publishing, 2019.
17. Staulcup S, Ajani O and **TC Hankinson**. “Duraplasty versus Non-dural Opening for the Treatment of Pediatric Chiari Malformation, Type I” in Tubbs RS and Oakes WJ (ed.). The Chiari Malformations, 2nd ed.. Springer, *in press*
18. Sethi A, Ridder T and **TC Hankinson**. “Ventral Decompression for Chiari Malformations” in Tubbs RS and Oakes WJ (ed.). The Chiari Malformations, 2nd ed.. Springer, *in press*
19. Ung T, **Hankinson TC**. “Pediatric Craniopharyngioma” in H. Richard Winn (ed.), Youman & Winn Neurological Surgery. 8th ed., Elsevier, *in press*
20. **Hankinson TC.** Editorial: Characteristics and overall survival in pediatric versus adult craniopharyngioma: a population-based study. Childs Nerv Syst. 2021 Apr 27. Epub ahead of print. PMID: 33904937.

Other/Preprints

1. DeSisto J , Lucas JT…**Hankinson TC**… Orr BA, Green AL. Comprehensive molecular characterization of pediatric treatment-induced high-grade glioma: A distinct entity despite disparate etiologies with defining molecular characteristics and potential therapeutic targets 25 Oct 2019 BioArxiv 809772
2. Prince E., **Hankinson TC.** Linnaeus: Interpretable Deep Learning Classification of Single Cell Transcript Data. 29 Oct 2019. BioArxiv 882759

Scientific Abstracts

*Competitive*

1. Oratz R, Reynolds SR, Shapiro RL, Harris MN, Roses DF. Johnston D, Jacquotte A, **Hankinson T**, Bystryn J-C. *Phase I/II Clinical Trial of a shed, polyvalent, melanoma vaccine combined with interferon alfa-2b in stage IV melanoma*. Proc Am Soc Clin Onc. 17:2009, 1998
2. Bystryn J-C, Oratz R, Shapiro RL, Harris MN, Roses DF, Zeleniuch-Jacquotte A, Chen DL, Rivas MC, **Hankinson T**. *Double Blind, placebo-controlled trial of a shed, polyvalent, melanoma vaccine in Stage III melanoma*. Proc Am Soc Clin Onc. 18:1673, 1999
3. Williams MR, **Hankinson TC**, Singh D, et. al *What is the impact of an LVAD program on transplant waiting list survival?* Circulation 102 (18): II-819, 2000
4. **Hankinson TC**, Ogden AT, Canoll PD, Garvin JH, Kazim M, Bruce JN, Feldstein NA, RCE Anderson. *Intraorbital Soft Tissue Glomus Tumor in an 8 year old child: Presentation and Management.* Poster Presentation. 35th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Denver, Colorado. November 28 - December 1, 2006
5. **Hankinson TC**, Mocco J, Kimball B, Anderson RCE, NA Feldstein. *Internal Cranial Expansion: a technical note*. Oral Presenation. 35th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Denver, Colorado. November 28 - December 1, 2006
6. **Hankinson TC,** Bohman LS, Vanaman M, Egorova N, Orrico K, Bruce JN, Benzil D. *Geographical neurosurgery workforce analysis from 1990-2005 improves our understanding of the role of market factors*. Oral Presentation, Annual Meeting of the Congress of Neurological Surgeons. San Diego, California. 15-20 September, 2007
7. **Hankinson TC**, Syed ON, Anderson RCE, Feldstein NA. *Radiolucent Hair Accessories cause Depressed Skull Fracture Following Blunt Cranial Trauma: Report of Two Cases*. Poster Presentation, 36th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Miami, Florida. November 27 - December 1, 2007
8. Vanaman M, **Hankinson TC**, Fontana E, Kan P, DelaPaz R, Feldstein N, Anderson RCE. *Are Prenatal MRI Findings associated with the need for postnatal ventricular shunt?* Oral Presentation. 36th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Miami, Florida. November 27- December 1, 2007
9. Fontana EJ, Nickel C, **Hankinson TC**, Anderson RCE, Feldstein NA. *Isolated Thoracic Syringomyelia in Children with Chiari I Malformations*. Oral Presentation. 36th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Miami, Florida. November 27- December 1, 2007
10. Anderson RCE, **Hankinson TC**, Spinks T, Jea A, Proctor M, Lew S, Rodriguez L, Harter D, Sacco D, Pincus D, Brockmeyer D for the Pediatric Craniocervical Society. *Fusion Rates following Rigid Internal Fixation of the Occiput to C2 are equivalent with or without C1 Instrumentation*. Oral Presentation. 37th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Spokane, Washington. December 2-5, 2008
11. **Hankinson TC**, Balatbat M, Wade J, Starke R, Bhatia M, Lee M, Licursi M, Feldstein N, Anderson RCE. *The Association between Moyamoya Syndrome and Sickle Cell Disease does not correlate with Common Laboratory Values and Transcranial Doppler Ultrasound Results*. Oral Presentation. 37th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Spokane, Washington. December 2-5, 2008
12. Harmon D, **Hankinson TC**, Bradley N, Shannon C, Tubbs RS, Wellons JC. *Successful Resection of Cystic Hygromas of the Neck Involving the Brachial Plexus.* Oral Presentation. 38th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Boston, Massachusetts. December 1-4, 2009
13. Anderson RCE, **Hankinson TC**, Grunstein E, Gardner P, Spinks TJ,. *Trasnasal Odontoidectomy followed by Posterior Decompression and Occipitocervical Fusion in Children with Chiari I Malformation and Ventral Brainstem Compression*. Oral Presentation. 38th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Boston, Massachusetts. December 1-4, 2009
14. **Hankinson TC**, Tubbs RS, Griessenauer C, Rozzelle CJ, Wellons JC, Blount J, Cohen-Gadol A, Oakes WJ. *Retroclival Epidural Hematoma: Clinical Characteristics and Diagnostic Technique.* Oral Presentation. 38th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Boston, Massachusetts. December 1-4, 2009
15. **Hankinson TC**, Wade J, Shannon C, Ghatan S, Anderson RCE, Feldstein NA. *Influence of Dural Opening on Scoliosis in Patients with Chiari I Malformation and Syringomyelia.* Oral Presentation. 38th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Boston, Massachusetts. December 1-4, 2009
16. **Hankinson TC**, Tubbs RS, Kotchetkov I, Shannon C, Anderson RCE, Blount J, Oakes WJ, Feldstein NA, Wellons JC. *Initial Surgical Technique for the Treatment of Middle Fossa Arachnoid Cysts: Bi-institutional Comparison of Results and Complications.* Oral Presentation. 38th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Boston, Massachusetts. December 1-4, 2009
17. Pohlman G, Wilcox D, **Hankinson TC**. *T. Leon Howard Case Presentation*. Oral Presentation. American Urological Association South Central Section. San Antonio, TX. 14-17 September, 2011
18. **Hankinson TC**, Fields EC, Torok MR, Handler MH, Foreman NK, Liu AK. *Application of the National SEER Dataset for the Study of Pediatric Craniopharyngioma*. Oral Presentation. International Symposium on Pediatric Neuro-Oncology, Toronto, Canada. 24-27 June, 2012
19. Serrano-Almeida CA, Williams SA, Palmeri NO, Torok MR, Handler MH, Liu A, **Hankinson TC**. *Patterns of Care for Craniopharyngioma: Survey of AANS Membership*. Poster Presentation. 41st Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, St. Louis, Missouri. November 27-30, 2012
20. Richardson MD, Palmeri NO, Williams SA, Torok MR, Handler MH, **Hankinson TC**. *Evaluation of Hemorrhagic Complications Associated with Perioperative Ketorolac Use in Pediatric Neurosurgery Patients.* Oral Presentation. 41st Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, St. Louis, Missouri. November 27-30, 2012
21. **TC Hankinson**, RCE Anderson, DL Brockmeyer, RR Allen, MR Torok, AM Libby for the Pediatric Craniocervical Society. *Comparison of Fusion Rates following Occipitocervical and Atlantoaxial Instrumented Arthrodesis using Administrative Datasets.* Oral Presentation. 36th Annual Meeting of the American Society of Pediatric Neurosurgeons. Princeville, Hawaii. February 10-15, 2013
22. Gump J, Donson A, Birks D, Handler, Foreman NK, **Hankinson TC**. *Identification of AREG, SHH, MMP12 and MMP9 as novel therapeutic targets in craniopharyngioma.* Poster Presentation. Society for Neuro-oncology Pediatric Neuro-Oncology Basic and Translational Research Conference. Ft. Lauderdale, FL. 16 May, 2013
23. **TC Hankinson,** JM Gump, CA Serrano, MR Torok, AK Liu, NK Foreman, MH Handler. *Variability in the Initial Surgical Treatment for Craniopharyngioma: Survey of the AANS membership*. Poster Presentation. Society for Neuro-oncology Pediatric Neuro-Oncology Basic and Translational Research Conference. Ft. Lauderdale, FL. 16 May, 2013
24. **TC Hankinson**, NK Foreman, JM Johnston, MH Handler, J Gump. *Advancing Treatment for Pediatric Craniopharyngioma: Pilot Study Identifying Biological Targets for Medical Therapy*. Oral Presentation. 75th Annual Meeting of the American Academy of Neurological Surgery. Newport Coast, CA. 25-28 September, 2013
25. **TC Hankinson**, SR Plimpton, NK Foreman, MH Handler, AK Liu. *Fractionated Stereotactic Radiosurgery is Efficacious and Well-tolerated in Pediatric Intracranial Neoplasms.* Oral Presentation. 41st Annual Meeting of the International Society for Pediatric Neurosurgery Mainz, Germany 29 September-3 October, 2013
26. RWR Dudley, MR Torok, D Gallegos, AK Liu, MH Handler, **TC Hankinson**. *Pediatric Choroid Plexus Tumors: Epidemiology, Treatments, and Outcome Analysis on 198 Children from the SEER Database.* Oral Presentation. 42nd Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Toronto, ON Canada. December 3, 2013
27. B Kennedy, M McDowell, **TC Hankinson**, S Lew, A Jea, D Couture, D Brockmeyer, RCE Anderson on behalf of the Pediatric Craniocervical Society. *Long-term Effects of Rigid Instrumentation and Fusion at the Craniovertebral Junction in Young Children*. Oral Presentation. 37th Annual Meeting of the American Society of Pediatric Neursourgeons. Guanacaste, Costa Rica. January 26-31, 2014
28. BR O'Neill, A Herron, **TC Hankinson**, CC Wilkinson, MH Handler. *Prevalence of Spinal Cord Tethering by MRI in Infants with Sacral Dimples*. Oral Presentation. 37th Annual Meeting of the American Society of Pediatric Neursourgeons. Guanacaste, Costa Rica. January 26-31, 2014
29. RWR Dudley, MR Torok, D Gallegos, AK Liu, MH Handler, **TC Hankinson**. *Pediatric Low Grade ganglioglioma: epidemiology, treatments, and outcome analysis on 331 children from the SEER datasets.* Oral Presentation. 82nd Annual Meeting of the American Association of Neurological Surgeons. San Francisco, CA. April 7, 2014
30. Kennedy BC, McDowell MM, Yang PH, Wilson CW, Sia L, **Hankinson TC**, Feldstein NA, Anderson RCE. *Pial synangiosis for Moyamoya syndrome in children with sickle cell anemia: a comprehensive review of reported cases*. Oral Presentation. 82nd Annual Meeting of the American Association of Neurological Surgeons. San Francisco, CA. April 9, 2014
31. **Hankinson TC**, Curry DJ, Honeycutt J, O’Neill BR, Handler MH, GeorgeTM. *MRI Guided Laser Thermal Ablation for Pediatric Brain Tumors – Initial Multicenter Experience*. Poster Presentation. 16th International Symposium on Pediatric Neuro-Oncology, Singapore, 28 June-2 July, 2014
32. Dudley RWR, Torok MR, Gallegos D, Liu AK, Handler MH, **Hankinson TC**. *Choroid Plexus Tumors: Epidemiology, Treatment, and Outcome Analysis on 204 Children from SEER.* Poster Presentation. 16th International Symposium on Pediatric Neuro-Oncology, Singapore, 28 June-2 July, 2014
33. **Hankinson TC**, Dudley RWR, Poonia S, Torok MR, Handler MH, Liu AK. *One Month Mortality following Craniotomy for Pediatric Brain Tumors: Outcome Analysis Regarding 5,355 Children from SEER*. Poster Presentation. 16th International Symposium on Pediatric Neuro-Oncology, Singapore, 28 June-2 July, 2014
34. Dudley RWR, Torok MR, Gallegos D, Mulcahy Levy J, Hoffman LM, Liu AK, Handler MH, **Hankinson TC**. *Pediatric Low Grade Ganglioglioma: Epidemiology, Treatment, and Outcomes of 331 Children from SEER*. Poster Presentation. 16th International Symposium on Pediatric Neuro-Oncology, Singapore, 28 June-2 July, 2014
35. **Hankinson TC**, Jones D, Handler MH, Foreman NK, Liu AK. *Short Course Fractionated Stereotactic Radiosurgery for Children with Diffuse Intrinsic Pontine Glioma.* Poster Presentation. 16th International Symposium on Pediatric Neuro-Oncology, Singapore, 28 June-2 July, 2014
36. Gump JM, DonsonA, GriesingerA, BirksD, Kleinschmidt-DeMastersBK, JohnstonJ, AndersonRCE, RosenfeldA, HandlerMH, ForemanNK, **Hankinson TC**. *Identification of Targets for Rational Pharmacological Therapy in Childhood Craniopharyngioma.* Poster Presentation. 16th International Symposium on Pediatric Neuro-Oncology, Singapore, 28 June-2 July, 2014
37. Anderson RCE, Limbrick D, Park TS, Feldstein NA, **Hankinson T**, Poonia S, Brockmeyer DL, Torner J, Kennedy B, Guerrero N, Greenberg J, Kelly K, Phan M, and the PRSRC Investigators. *Influence of dural opening on scoliosis progression in children undergoing suboccipital decompression for Chiari I and syringomyelia: Data from the Park-Reeves Syringomyelia Research Consortium.* Oral Presentation. Annual Meeting of the International Society of Pediatric Neurosurgery, Rio de Janeiro, Brazil, November 2014.
38. Patibandla MR, Dorris K, Handler MH, Liu AK, Stence NV, Fenton LZ, **Hankinson TC**. *Atypical Ganglioglioma: Location and Presenting Characteristics are Associated with Clinical Course.* Oral Presentation. 43rd Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Amelia Island, Fl. December 3, 2014
39. **Hankinson TC,** Gump J, Anderson RCE, Johnston J, Rosenfeld A, Massimi L, Gore L, Foreman NK. *Advancing Therapy for Pediatric Craniopharyngioma: A Multicenter Prospective Collaboration.* Poster Presentation. Translational Science 2015, Washington DC, 16 April, 2015
40. Fenton LZ, Patibandla MR, **Hankinson TC**, Handler MH, Stence NV. *MR imaging findings associated with poorer outcome in intracranial ganglioglioma*.  Oral Presentation. 58th annual meeting of the Society for Pediatric Radiology. Bellevue, Washington. 30 April, 2015
41. **Hankinson TC,** Donson A, Johnston JM, Anderson RCE, Rosenfeld A, Massimi L, Hoffman L, Handler M, Foreman N, Gump J. *Identification of Targets for Rational Pharmacological Therapy in Pediatric Craniopharyngioma.* Oral Presentation. 43rd Annual Meeting of the International Society for Pediatric Neurosurgery, Izmir, Turkey. 4-8 October, 2015
42. Waxweiler TV, Vinogradskiy Y, Amini A, Yeh N, Jackson MW, **Hankinson TC**, Foreman N, Liu AK. *Toxicity Assessment of Hypofractionated Stereotactic Radiosurgery for Brainstem Re-irradiation in Pediatric Patients with Locally Recurrent Disease.* Poster Presentation. 57th Annual Meeting of the American Society for Radiation Oncology. San Antonio, TX, 18-21 October, 2015
43. McClung-Smith C, Torok MR, Somme S, Whelan R, Handler MH, **Hankinson TC**. *Cerebrospinal Fluid Shunt Infection and Malfunction Rates Increase after Intraperitoneal Procedures: Data from the Pediatric Health Information System.* Poster Presentation. 44th Annual AANS/CNS Section on Pediatric Neurological Surgery, Seattle, WA. December 9, 2015
44. Sivakumar W, Mazur M, Brockmeyer D, Riva-Cambrin J, Sayama C, Goldstein H, Lew S, **Hankinson TC**, Anderson RCE, Jea A. *Atlantoaxial Fusion in the Pediatric Population: A Multicenter Analysis of Predictors of Non-fusion.*  Oral Presentation. 44th Annual AANS/CNS Section on Pediatric Neurological Surgery, Seattle, WA. December 9, 2015
45. **Hankinson TC**. Tuite G, Moscoso D, Robinson L, Torner J, Limbrick D.D.J., Park TS, and Anderson RCE for the Park-Reeves Syringomyelia Research Consortium Investigators. *Analysis and inter-rater reliability of pB-C2 using MRI and CT: Data from the Park-Reeves Syringomyelia Research Consortium*. Oral Presentation. 44th Annual AANS/CNS Section on Pediatric Neurological Surgery, Seattle, WA. December 10, 2015
46. Handler MH, Graber S, Palmer C, Wilkinson CC, O’neill BR, and **Hankinson TC**. *30 Day Return to OR after Shunt: A Quality Measure?* Oral Presentation. 25th Congress of the European Society of Pediatric Neurosurgery. Paris, France, 8-11 May 2016
47. Batchelder P, **Hankinson TC**, Foreman NK, Liu A, Vibhakar R and Handler MH. *Vascular Abnormalities after Treatment for Craniopharyngioma*. Poster Presentation. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, UK, 12-15 June 2016
48. Handler MH, Madden J, **Hankinson TC**, Kleinschmidt-DeMasters B, and Foreman NK. *Primary Intracranial Ewings Sarcoma: Report of 3 Cases*. Poster Presentation. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, UK, 12-15 June 2016
49. Whelan R, Saccomano B, Dorris K, Madden J, Hemenway M, Handler MH, **Hankinson TC**, and Liu A. *Cataract Development in Pediatric Patients Receiving Craniospinal Irradiation*. Poster Presentation. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, UK, 12-15 June 2016
50. Donson A, Griesinger A, Amani V, Anderson RCE, Niazi T, Handler MH, Foreman NK and **Hankinson TC**. *Pediatric Adamantinomatous Craniopharyngioma Cyst Fluid Demonstrates a Pro-Inflammatory Milieu*. Oral Presentation. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, UK, 14 June 2016
51. Randall S, Torok MR, Handler MH, Foreman NK, Liu AK, **Hankinson TC**, Dudley RWR. *Pediatric versus adult meningioma: comparison of epidemiology, treatments, and outcomes using the SEER database.* Oral Presentation. Society for Neuro-Oncology Conference on Meningioma. Toronto, CA, 18 June 2016.
52. Sumner W, Amini A, **Hankinson T**, Foreman N, Gaspar L, Kavanagh B, Karam S, Rusthoven C, and *Liu A. Survival Benefit of Postoperative Radiation in Papillary Meningioma: Analysis of the National Cancer Data Base*. Poster Presentation. Annual Meeting of the American Society for Radiation Oncology, Boston, MA, 25-28 September, 2016
53. Donson A, Griesinger A, Amani V, Anderson RCE, Niazi T, Handler MH, Foreman NK and **Hankinson TC**. *Inflammatory mediators in pediatric craniopharyngioma suggest novel potential therapeutic intervention*. 78th Annual Meeting of the American Academy of Neurological Surgery. Jackson Hole, Wyoming, 14-17 September, 2016
54. Donson A, Griesinger A, Amani V, Anderson RCE, Niazi T, Handler MH, Foreman NK and **Hankinson TC**. *Pediatric Adamantinomatous Craniopharyngioma Cyst Fluid Demonstrates a Pro-Inflammatory Milieu*. Flash Presentation. 44th Annual Meeting of the International Society for Pediatric Neurosurgery, Kobe, Japan. 23-27 October, 2016
55. **Hankinson TC.** *Challenges of Developing a Pediatric Spine Practice: The Early Years.* Oral Presentation. 40th Annual Meeting of the American Society of Pediatric Neurosurgeons. Maui, Hawaii. January 24, 2017
56. **Hankinson TC.** *Transitioning Survivor of Childhood Cancer.* Oral Presentation. 40th Annual Meeting of the American Society of Pediatric Neurosurgeons. Maui, Hawaii. January 27, 2017
57. Donson A, Griesinger AM, Apps J, Amani V, Witt DA, Anderson RCE, Niazi TN, Handler MH, Martinez-Barbera JP, Foreman NK, **Hankinson TC**. *Molecular Analyses Demonstrate an Immunosuppressive Phenotype in the Cyst and Solid Tumor Compartments of Adamantinomatous Craniopharyngioma*. Poster Presentation. 4th Biennial Society for Neuro-oncology Pediatric Neuro-Oncology Basic and Translational Research Conference, New York, NY, 15-16 June, 2017
58. Donson A, Griesinger AM, Amani V, Witt DA, Handler MH, Foreman NK, **Hankinson TC.***The Inflammatory Milieu of Pediatric Adamantinomatous Craniopharyngioma Includes an Immunosuppressive Phenotype.* 79th Annual Meeting of the American Academy of Neurological Surgery. Santa Barbara, CA, 13-16 September, 2017
59. Donson A, Griesinger AM, Apps J, Amani V, Witt DA, Anderson RCE, Niazi TN, Handler MH, Martinez-Barbera JP, Foreman NK, **Hankinson TC**. *Molecular Analyses Demonstrate an Immunosuppressive Phenotype in the Cyst and Solid Tumor Compartments of Pediatric Adamantinomatous Craniopharyngioma*. Platform Presentation. 45th Annual Meeting of the International Society for Pediatric Neurosurgery, Denver, CO. 8-12 October, 2017
60. Amani, V; Donson, A; Griesinger, A; Witt, D; Mulcahy Levy, J; Hoffman, L; **Hankinson, T**; Handler, M; Vibhakar, R; Dorris, K; Foreman, N. *Retinoids as potential chemotherapeutic options for posterior fossa ependymoma of childhood.* Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i104 i105, [doi.org/10.1093/neuonc/noy059.345](https://doi.org/10.1093/neuonc/noy059.345)
61. Amani, V; Donson, A; Griesinger, A; Witt, D; Mulcahy Levy, J; Hoffman, L; **Hankinson, T**; Handler, M; Vibhakar, R; Dorris, K; Foreman, N. *Subgroup-specific therapy options for childhood supratentorial ependymoma.* Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i104–i105, [doi.org/10.1093/neuonc/noy059.345](https://doi.org/10.1093/neuonc/noy059.345)
62. Green, A; Flannery, P; **Hankinson, T**; O’Neill, B; DeSisto, J; Lemma, R; Hoffman, L; Mulcahy Levy, J; Raybin, J; Hemenway, M; Koschmann, C; Handler, M; Foreman, N; Vibhakar, R; Wempe, M; Dorris, K. *Intratumoral pharmacokinetics of chemotherapy in DIPG: Xenograft and initial phase 0 clinical trials results.*Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i104–i105, [doi.org/10.1093/neuonc/noy059.345](https://doi.org/10.1093/neuonc/noy059.345)
63. Norris, G; Garcia, J; **Hankinson, T**; Handler, M; Foreman, N; Mirsky,D; Stence, N; Dorris, K; Green, A. DIAGNOSTIC ACCURACY OF NEUROIMAGING IN PEDIATRIC OPTIC PATHWAY/SELLAR/SUPRASELLAR TUMORS, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i174, [doi-org. /10.1093/neuonc/noy059.662](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.662)
64. Dahl, NA; Pratt, D; Kumar, C; Camelo-Piragua, S; Mody, RJ; Septer, S; **Hankinson, T**; Koschmann, C; Hoffman, L. PEDIATRIC CRANIOPHARYNGIOMA IN ASSOCIATION WITH FAMILIAL ADENOMATOUS POLYPOSIS, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i38–i39, [doi-org/10.1093/neuonc/noy059.047](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.047)
65. Coy S; Rashid, R; Lin, J; Du, Z; Donson, AM; **Hankinson, TC;** Foreman, NK; Manley, PE; Kieran, MW; Reardon, DA; Sorger, PK; Santagata S. MULTIPLEXED IMMUNOFLUORESCENCE REVEALS POTENTIAL PD-1/PD-L1 PATHWAY VULNERABILITIES IN CRANIOPHARYNGIOMA, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i39, [doi-org/10.1093/neuonc/noy059.048](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.048)
66. Prince E; Whelan, R; Donson, A; Staulcup, S; Lillehei, K; Foreman, N; Massimi, L; Handler, MH; **Hankinson, T**. TRANSCRIPTOMIC AND PROTEOMIC COMPARISON OF PEDIATRIC AND ADULT ADAMANTINOMATOUS CRANIOPHARYNGIOMA, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i43–i44, [doi-org/10.1093/neuonc/noy059.070](https://doi-org/10.1093/neuonc/noy059.070)
67. Dorris, K; Widener, M; Amani, V; Donson, A; Schissel, D; O’Neill, B; **Hankinson, T**; Handler, M; Macy, M; Foreman, N. MOLECULAR BIOLOGY AND PHASE I STUDY OF GM-CSF AND INTRATHECAL TRASTUZUMAB IN CHILDREN WITH RECURRENT POSTERIOR FOSSA EPENDYMOMA, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i68, [doi-org/10.1093/neuonc/noy059.183](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.183)
68. Griesinger, A; Pierce, A; Witt, D; Flannery, P; Donson, A; Gowan, K; **Hankinson, T**; Handler, M; Jones, K; Green, A; Vibhakar, R; Foreman N. PATIENT-DERIVED PFA EPENDYMOMA XENOGRAFT MODEL, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i76, [doi-org/10.1093/neuonc/noy059.217](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.217)
69. Donson, A; Gillen, A; Riemondy, K; Hesselberth, J; Amani, V; Griesinger, A; Witt, D; **Hankinson, T**; Handler, M; Vibhakar, R; Foreman, N. SINGLE CELL RNASEQ IDENTIFIES A PUTATIVE CANCER STEM CELL POPULATION IN POSTERIOR FOSSA EPN, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i77, [doi-org/10.1093/neuonc/noy059.222](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.222)
70. Whelan, R; Prince, E; Mirsky, D; Naftel, R; Bhatia, A; Pettorini, B; Avula, S; Staulcup, S; Cox-Martin, M; **Hankinson, T**. INTER-RATER RELIABILITY OF A METHOD FOR DETERMINING THE PRE-OPERATIVE HYPOTHALAMIC INVOLVEMENT OF PEDIATRIC CRANIOPHARYNGIOMA, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i148, [doi-org/10.1093/neuonc/noy059.535](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.535)
71. Prince, E; Whelan, R; Staulcup, S; Jones, K; Yang, M; Hoffman, L; Handler, M; Stence, N; **Hankinson, T**. LEVERAGING CONVOLUTIONAL NEURAL NETWORKS TO PREDICT ADAMANTINOMATOUS CRANIOPHARYNGIOMA DIAGNOSIS FROM PREOPERATIVE PARAMETERS, Neuro-Oncology, Volume 20, Issue suppl\_2, 22 June 2018, Pages i156, [doi-org /10.1093/neuonc/noy059.578](https://doi-org.proxy.hsl.ucdenver.edu/10.1093/neuonc/noy059.578)
72. Anderson, R; Goldstein, H; Shao, B; Vitale, M; Madsen, P; Hartnett, S; Blount, J; Brockmeyer, D; Campbell, R; Conklin, M; **Hankinson, T**; Heuer, G; Jea, A; Kennedy, B; Samdani, A; Tuite, G. *Is Prophylactic Untethering Necessary in Myelomeningocele Patients Undergoing Scoliosis Surgery?* Child’s Nervous System (2018) 34:2027-8
73. Whelan R, Prince E, Mirsky D, Naftel R, Bhatia A, Pettorini B, Avula S, Staulcup S, Cox Martin M, **Hankinson, T**; *Inter-rater reliability of a method for determining the pre- operative hypothalamic involvement of pediatric craniopharyngioma*. Child’s Nervous System (2018) 34:2039
74. Dave P, Hersh D, Wait S, **Hankinson T**, Vaughn B, Klimo P. *Shunt to Endoscopic 3rd Ventriculostomy Conversion – A Multicenter Experience*. 47th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Nashville, TN. 7 December 2018
75. Prince E, Klimo P, **Hankinson TC**. *Deep Learning/Neural Networks: Using Adamantinomatous Craniopharyngioma to Address a Small Scale Data Problem*. American Society of Pediatric Neurosurgeons Seed Grant Presentation. Kauai, HI. 29 January 2019
76. Vijmasi T, Prince E, Whelan R, Griesinger A, Donson A, Staulcup S, Hoffman L, Anderson RCE, Souweidane M, Johnston J, Naftel R, Limbrick D, Grant G, Niazi T, Dudley R, Kilburn L, Jackson E, Jallo G, Ginn K, Smith A, Handler M, **Hankinson TC**. *The Pro-inflammatory Effect of Cyst Fluid in Pediatric Adamantinomatous Craniopharyngioma may be Driven by Interleukin-6*. 42nd Annual Meeting of the American Society of Pediatric Neurosurgeons. Kauai, HI. 31 January 2019
77. Prince E; Whelan R; Vijmasi T; Staulcup S; Klimo P; Mirsky D; Stence N; **Hankinson T**. [THER-19. MACHINE LEARNING APPROACH TO TUMOR DIAGNOSIS USING SMALL DATASETS: PROOF OF PRINCIPLE USING PEDIATRIC ADAMANTINOMATOUS CRANIOPHARYNGIOMA](https://academic.oup.com/neuro-oncology/article/21/Supplement_2/ii117/5466993?searchresult=1)  *Neuro-Oncology*, Volume 21, Issue Supplement\_2, April 2019, Pages ii117–ii118, <https://doi.org/10.1093/neuonc/noz036.225>
78. Amani V; Donson A; Griesinger A; Witt D; Mulcahy Levy J; Hoffman L; **Hankinson T**; Handler M; Vibhakar R; Dorris K; Foreman N. [EPEN-09. PRECLINICAL MODELS REVEAL SUBGROUP-STRATIFIED TARGETED THERAPY OPTIONS FOR CHILDHOOD SUPRATENTORIAL EPENDYMOMA](https://academic.oup.com/neuro-oncology/article/21/Supplement_2/ii79/5466892?searchresult=1) *Neuro-Oncology*, Volume 21, Issue Supplement\_2, April 2019, Page ii79, <https://doi.org/10.1093/neuonc/noz036.066>
79. Donson A; Gillen A; Riemondy K; Hesselberth J; Amani V; Griesinger A; Sanford B; Jones K; **Hankinson T**; Handler M; Venkataraman S; Vibhakar R; Foreman N. [EPEN-14. EXPLORATION OF INTRA- AND INTER-TUMOR CELLULAR HETEROGENEITY IN SUPRATENTORIAL EPENDYMOMA](https://academic.oup.com/neuro-oncology/article/21/Supplement_2/ii80/5466947?searchresult=1). *Neuro-Oncology*, Volume 21, Issue Supplement\_2, April 2019, Page ii80, <https://doi.org/10.1093/neuonc/noz036.071>
80. Vijmasi T; Prince E; Whelan R; Griesinger A; Donson A; Staulcup S; Hoffman L; Foreman N; Handler M; **Hankinson T.** [IMMU-11. RESPONSE OF T-CELLS UNDER THE INFLUENCE OF ADAMANTINOMATOUS CRANIOPHARYNGIOMA CYST FLUID](https://academic.oup.com/neuro-oncology/article/21/Supplement_2/ii95/5466763?searchresult=1) *Neuro-Oncology*, Volume 21, Issue Supplement\_2, April 2019, Page ii95, <https://doi.org/10.1093/neuonc/noz036.132>
81. Grob S; Donson A; Prince E; Vijmasi T; Foreman N; Dahl N; Vibhakar R; Mirsky D; **Hankinson T**; Mulcahy Levy J [THER-33. TOCILIZUMAB AS A POTENTIAL NOVEL THERAPY IN PATIENTS DIAGNOSED WITH ADAMANTINOMATOUS CRANIOPHARYNGIOMA](https://academic.oup.com/neuro-oncology/article/21/Supplement_2/ii120/5466797?searchresult=1). *Neuro-Oncology*, Volume 21, Issue Supplement\_2, April 2019, Pages ii120 ii121, <https://doi.org/10.1093/neuonc/noz036.237>
82. Prince E; Whelan R; Vijmasi T; Donson A; Staulcup S; Lillehei K; Foreman N; Johnston J; Massimi L; Handler M; **Hankinson T**. [BIOL-03. TRANSCRIPTIONAL ANALYSIS OF ADULT AND PEDIATRIC CRANIOPHARYNGIOMA REVEALS SIMILAR EXPRESSION SIGNATURES REGARDING POTENTIAL THERAPEUTIC TARGETS](https://academic.oup.com/neuro-oncology/article/21/Supplement_2/ii66/5466904?searchresult=1). Neuro-Oncology, Volume 21, Issue Supplement\_2, April 2019, Page ii66, <https://doi.org/10.1093/neuonc/noz036.016>
83. Vijmasi T, Prince E, Whelan R, Griesinger A, Donson A, Ferreyros M, Staulcup S, Hoffman L, Foreman N, Handler M, **Hankinson TC**. The Cytokine Secretion Response of Normal Human Epithelial Cells Under the Influence of Adamantinomatous Craniopharyngioma Cyst Fluid. Annual Meeting of the International Society for Pediatric Neurosurgery, Birmingham, UK, 24 October, 2019
84. Prince EW, Whelan R, Staulcup S. Stence N, Klimo P, Anderson RCE, Souweidane MM, Johnston JM, Naftel RP, Limbrick DD, GrantG, Niazi TN, Dudley RW, Kilburn LB, Jackson E, Jallo G, Ginn KF, Smith AA, Chern JJ, Lee A, Drapeau I, Krieger MD, Foreman NK, **Hankinson TC**. Scalable Deep Learning Optimization Algorithms as a Framework for Computer-Aided Diagnosis from Radiographic Images of Rare Diseases with Limited Data Using Adamantinomatous Craniopharyngioma as an Example. Annual Meeting of the International Society for Pediatric Neurosurgery, Birmingham, UK, 24 October, 2019
85. Whitehead W, Rozzelle C…**Hankinson TC**…Kestle J. Comparing Anterior and Posterior Entry Site for CSF Shunt Insertion: An HCRN Randomized Trial. 49th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. 2-4 December 2020
86. Vijmasi T, Prince EW...**Hankinson TC**. *Adamantinomatous Craniopharyngioma Cyst Fluid May Promote Inflammation And Epithelial-to-Mesenchymal Transition In The Tumor Microenvironment.* 49th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. 2-4 December 2020
87. Prince EW, Hengartner AC, Vijmasi T,…**Hankinson TC.** *Machine-Learning Inference May Predict Quality of Life Subgroups of Adamantinomatous Craniopharyngioma.* 49th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. 2-4 December 2020
88. Garg S, Kim E, Wagner J, **Hankinson TC**, Erickson MA. Vertebral Column Resection Surgical Planning Pre- and Post- 3D Modeling. 28th International Meeting on Advanced Spine Techniques. 21-24 April, 2021
89. Prince EW and **Hankinson TC.** *Network and Deep Learning Inference in Single Cell RNA Sequencing Reveal Detailed Transcriptional Signatures Congruent with Molecular Understanding of Adamantinomatous Craniopharyngioma*. Oral Presentation. 2021 SNO Pediatric Neuro-Oncology Research Conference. June 10-12, 2021
90. Donson A, Riemondy K, Venkataraman S,…**Hankinson T**…, Vibhakar R. Neoplastic and immune single cell transcriptomics define subgroup-specific intra-tumoral heterogeneity of childhood medulloblastoma.. 2021 SNO Pediatric Neuro-Oncology Research Conference, 11 June 2021
91. Prince EW and **Hankinson TC**.*Deep Learning-Based Single-Cell RNA Sequencing Differentiation Identifies Simple and Complex Transcriptional Networks for Subpopulation Classification.* Oral Flash Presentation. 2021 Annual Meeting of the International Society of Pediatric Neurosurgery. November 5-7, 2021
92. Vijmasi T, Prince EW, Hengartner A, Staulcup S, Griesinger A, DonsonA, ForemanN, GilaniA, and **Hankinson TC**. *An Organotypic Chunk Culture Technique To Study Disease Mechanism and Develop Targeted Therapeutics For Pediatric Adamantinomatous Craniopharyngioma.* Oral Flash Presentation. 2021 Annual Meeting of the International Society of Pediatric Neurosurgery. November 5-7, 2021
93. Vijmasi T, Prince EW, Hengartner A, Agwu C, Staulcup S, Pavlova M, Griesinger A, DonsonA, Dorris K, Handler M, and **Hankinson TC**. *Cyst Fluid Cytokines May Promote Epithelial-to-Mesenchymal Transition in Pediatric Adamantinomatous Craniopharyngioma.* Oral Flash Presentation. 2021 Annual Meeting of the International Society of Pediatric Neurosurgery. November 5-7, 2021
94. Mirsky D, Prince EW, Staulcup S, Hengartner A, Vijmasi T, and **Hankinson TC**. *Quantitative MR Imaging Features Associated with Unique Transcriptional Characteristics in Pediatric Adamantinomatous Craniopharyngioma: A Potential Guide For Therapy.* Oral Flash Presentation. 2021 Annual Meeting of the International Society of Pediatric Neurosurgery. November 5-7, 2021
95. Prince EW, Vijmasi T, McWilliams J, Hengartner A, Staulcup S, ForemanN, Jordan K, Dorris K, Hoffman L, and **Hankinson TC**. *Adamantinomatous Craniopharyngioma Resides Outside the Blood Brain Barrier.* Oral Flash Presentation. 2021 Annual Meeting of the International Society of Pediatric Neurosurgery. November 5-7, 2021
96. Prince EW, **Hankinson** TC, Vibhakar, R, Ghosh D, Georg, C. *Deep Probabilistic Generative Modeling and Visual Evaluation of Conditional Single Cell RNA Sequencing Expression Data.* Poster Presentation. International Society for Computational Biology (ISCB) Rocky Mountain Bioinformatics Conference 2021, Aspen/Snowmass, CO, December 2-4, 2021

Non-Competitive

1. Fontana EJ, Nickel C, **Hankinson TC**, Starke R, Anderson RCE, Feldstein NA. *Outcomes in Chiari Malformation with Isolated or Discontinuous Thoracic Syrinx*. Oral Presentation. 34th Annual Richard Lende Winter Neurosurgery Conference, Snowbird, UT. February 1-6, 2008
2. **Hankinson TC,** Anderson RCE, Spinks T, Jea A, Proctor M, Lew S, Rodriguez L, Harter D, Sacco D, Pincus D, Brockmeyer D for the Pediatric Craniocervical Society. *Fusion Rates following Rigid Internal Fixation of the Occiput to C2 are equivalent with or without C1 Instrumentation.* Oral Presentation. 24th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 28 February, 2011
3. **Hankinson TC**, Fields EC, Torok MR, Handler MH, Foreman NK, Liu AK. *Accuracy but Limited Utility of the National SEER Dataset for the Study of Craniopharyngioma*. Oral Presentation. Neurosurgical Society of America, Park City, UT. 11-13 June, 2012
4. **TC Hankinson**, RCE Anderson, DL Brockmeyer, RR Allen, MR Torok, AM Libby for the Pediatric Craniocervical Society. *Comparison of Fusion Rates following Occipitocervical and Atlantoaxial Instrumented Arthrodesis in Adults and Children using Administrative Datasets.* Oral Presentation. 26th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 26 February, 2013
5. **TC Hankinson**, SR Plimpton, NK Foreman, MH Handler, AK Liu. *Fractionated Stereotactic Radiosurgery is Efficacious and Well-tolerated in Pediatric Intracranial Neoplasms.* Oral Presentation.48th Annual Meeting of the Rocky Mountain Neurosurgical Society, Sun Valley, ID. 16 June 2013
6. D. Jones, NK Foreman, MH Handler, AK Liu, **TC Hankinson**. *Short Course Fractionated Stereotactic Radiosurgery for Children with Diffuse Intrinsic Pontine Glioma*. Oral Presentation. 27th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 25 February, 2014
7. D Gallegos, RWR Dudley, MR Torok, AK Liu, MH Handler, **TC Hankinson**. Epidemiology, Treatment and Outcomes: Analysis of 204 Patients from the SEER Database. Oral Presentation. 27th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 25 February, 2014
8. SK Poonia, MR Torok, RWR Dudley, MH Handler, AK Liu, **TC Hankinson**. *One Month Mortality following Craniotomy for Brain Tumors: Outcome Analysis Regarding 5347 Children from SEER.* Oral Presentation. 27th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 25 February, 2014
9. **Hankinson TC**, Gump J, Gore L, Foreman NK. *Advancing Treatment for Pediatric Craniopharyngioma: Pilot Study Identifying Biological Targets for Medical Therapy*. Oral Presentation. 28th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 23 February, 2015
10. Prince E, Whelan R, Staulcup S, Jones K, Yang M, Hoffman L, Handler M, Stence N, **Hankinson TC**. *Leveraging convolutional neural networks to predict adamantinomatous craniopharyngioma diagnosis from preoperative parameters.* Oral Presentation. 31st Annual Neurosurgery in the Rockies, Beaver Creek, CO. 27 February, 2018
11. Vijmasi T, Prince E, **Hankinson TC**. *The Pro-inflammatory Effect of Cyst Fluid in Pediatric Adamantinomatous Craniopharyngioma May be Driven by Interleukin-6*. Oral Presentation. 32nd Annual Neurosurgery in the Rockies, Beaver Creek, CO. 25 February, 2019
12. Whelan R, Prince E, **Hankinson TC**. *Transcriptional Analysis of Adult and Pediatric Craniopharyngioma Reveals Similar Expression Signatures of Therapeutic Targets*. Oral Presentation. 32nd Annual Neurosurgery in the Rockies, Beaver Creek, CO. 26 February, 2019
13. **Hankinson TC**. *Basic Research to Clinical Trials: Novel Advances in Treatments for Childhood Craniopharyngioma.* Oral Presentation. 34th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 2 March, 2021
14. Prince EW and **Hankinson TC**. *Towards an Interpretable Deep Learning Framework for Understanding Rare Brain Tumors*. Oral Presentation. 34th Annual Neurosurgery in the Rockies, Beaver Creek, CO. 2 March, 2021
15. Samples D, Hovis G, Gustin P, Meier M, Mirsky DM, **Hankinson TC**. The Role of Cervical Spine Immobilization and Stabilization in Pediatric Non-accidental Trauma. 50th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. 10 December 2021`