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

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Books and Monographs

 Book Chapters & Invited Articles

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 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
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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`