Jenny Raybin (formerly Madden), RN, MSN, CPNP

Associate Professor, University of Colorado School of Medicine

# Pediatric Nurse Practitioner, Neuro-Oncology

Children’s Hospital Colorado

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Aurora, CO 80045

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**EDUCATION**

1995 Middlebury College

Bachelor of Arts, Cum Laude, French

Modern Dance Concentration

1999 Yale University School of Nursing

Master of Science in Nursing

Pediatric Nurse Practitioner Program, Chronic Illness Track

2017 University of Colorado College of Nursing

PhD student, Biobehavioral Track

**ACADEMIC APPOINTMENTS**

1999 Senior Instructor, Pediatrics, University of Colorado School of Medicine

2001 Clinical Faculty, University of Colorado College of Nursing

2003 Assistant Professor, Pediatrics, University of Colorado School of Medicine

2012 Associate Professor, Pediatrics, University of Colorado School of Medicine

**PROFESSIONAL POSITIONS**

1997-1998 Student Nurse Assistant; Yale-New Haven Hospital

1998-1999 Pediatric Staff Nurse; Yale-New Haven Hospital, New Haven, CT

Student Pediatric Nurse Practitioner

1998-1999 Memorial Sloan Kettering Cancer Center, NY

1997-1998 Prohealth Physicians, Enfield, CT

1999-present Pediatric Nurse Practitioner, Neuro-Oncology; Children’s Hospital Colorado

2003-2015 Assistant Program Leader, Neuro-Oncology; Children’s Hospital Colorado

2010-2013 Program Leader, Advanced Practice Providers, Center for Cancer and Blood Disorders, Children’s Hospital Colorado

**HONORS**

2006 DAISY Award for Extraordinary Nurses

Hospital-wide award for excellence in nursing

**PROFESSIONAL ACTIVITIES**

1999-present National Association of Pediatric Nurse Associates and Practitioners

1999-present Association of Pediatric Hematology Oncology Nurses

1999-2001 Sigma Theta Tau, Nursing Honor Society

**MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES**

**Local**

2000-2001 Chair, Advanced Practice Nurses Council, Children’s Hospital Colorado

2001-2004 Nursing Mentorship Committee Chair, Children’s Hospital Colorado

Interviewing Member of Search Committees

2001-ongoing Oncology PNPs, BMT PNP/PA

2007 Neurology Section Head

2008 Chief Nursing Officer for Children's Hospital Colorado

2003-2010 Chair, Pediatric Nurse Practitioner/Physician Assistant Group

Center for Cancer and Blood Disorders

2008-2013 National Childhood Cancer Awareness Week organizing committee

2010-2012 Director, Center for Cancer and Blood Disorders Advanced Practice

Direct a group of 20 PNP’s and PA’s

2010-2014 Co-Chair, Advanced Practice Council for Children’s Hospital Colorado

Chair a group of 25 representatives of 300+ NP’s and PA’s

2015-present Chair, Palliative Care Task Force for Center for Cancer and Blood Disorders

**National**

2008-2013 National Nurse Nominating Committee for Children’s Oncology Group

2010-present Nurse representative on National Protocol Committee for Children’s Oncology

Group (Phase II study of Modafinil for brain tumor survivors)

2010-2013 National organizing committee for Children’s Oncology Group Track at Association of Pediatric Hematology Oncology Nurses Meeting

2011-2013 Chair, National Nurse Nominating Committee for Children’s Oncology Group

2011-2014 Elected, National Nurse Nominating Committee for Association of Pediatric Hematology Oncology Nurses

2012 Pediatric NeuroOncology Consultant to new program in Orlando, Florida. Invited site visit and SWOT analysis

2013-2018 Children’s Oncology Group, Supportive Care Guidelines/Evidence Based Practice Committee, invited

2015 National Mentorship Committee, Association of Pediatric Hematology Oncology Group, invited

2015 National Core Protocol Nurse Committee, Cancer Control Study Group, Children’s Oncology Group, invited

2015 Children’s Oncology Group, CNS Committee Nurse, selected

2015 Palliative Care Research Cooperative Group, selected

**International**

2010-2012 Co-Chair, Nurse Symposium at 15th meeting of International Society of Pediatric NeuroOncology; Toronto, Canada

2012-2014 Co-Chair/Consultant, Nurse Symposium at 16th meeting of International Society of Pediatric NeuroOncology; Singapore

2014-2016 Consultant, Nurse Symposium at 17th meeting of International Society of Pediatric NeuroOncology; Liverpool, England

2014-ongoing Organizing Committee, 18th meeting of International Society of Pediatric NeuroOncology; Denver, Colorado

**CERTIFICATION/LICENSURE**

1998 Certificate of Nursing, Yale University School of Nursing

1998 Licensed Registered Nurse, Connecticut, New York

1998-present Licensed Registered Nurse, Colorado

1998 Chemotherapy Certification, Yale-New Haven Hospital

1999-present Primary Care Pediatric Nurse Practitioner Certification\*

2005-present Pediatric Advanced Life Support

2007-present Acute Care Pediatric Nurse Practitioner Certification\*

\*dual certification

2013 ELNEC; End of Life Nursing Education Consortium Certification and Trainer

2015 EPEC Pediatrics; Education in Palliative and End of Life Care Certification

**REVIEW AND REFEREE ACTIVITIES**

2009-present Reviewer, Journal of Specialists in Pediatric Nursing

2009-present Reviewer, Journal of Pediatric Oncology Nursing

2010-present Abstract reviewer, International Society of Pediatric NeuroOncology

Scientific Meeting

2012-present Reviewer, Journal of Pediatric Health Care

2015-present Abstract reviewer, Association of Pediatric Hematology Oncology Nurses

National Conference

2016-present Reviewer, Journal of Pediatric Hematology Oncology

2016-present Reviewer, Journal of CNS Oncology

2017-present Reviewer, Journal of Pediatrics

2017-present Reviewer, Journal of Pediatric Blood and Cancer

**LOCAL INVITED LECTURES**

**ACADEMIC**

1. Madden, JR, Pearson, J. Challenges of Pediatric Terminal Care: Two Case Presentations. Nursing Grand Rounds, The Children’s Hospital. February 2001.

2. Madden, JR, Pearson, J. Terminal Care for Children with Brain Tumors. University of Colorado School of Nursing. May 2001.

3. Madden, JR. Creative Arts Therapy for Pediatric Oncology Patients. Nursing Grand Rounds, The Children’s Hospital. August 2006.

4. Madden, JR, Greffe, B, Nakano, T, Dorneman, L, Mitchell, M, Foreman, NK. The End of Life Conversation: An Update and Round Table Review. Professor’s Rounds, Center for Cancer and Blood Disorders. December 2012.

**CLINICAL**

1. Madden, JR. NeuroOncology—Neurologic assessment of brain tumor patients. Hematology/Oncology/Transplant Day, The Children’s Hospital, Denver. April 2003.

2. Madden, JR. NeuroOncology—Overview of brain and spinal cord tumors. Neurosurgery/Rehabilitation/Orthopedic Education, The Children's Hospital. October 2003.

3. Madden, JR. Common Presentations of Pediatric Brain Tumors: Case Studies. Hematology/Oncology/BMT Education, The Children's Hospital. August 2005.

4. Madden, JR, Hemenway, M. Neuro-Oncology case studies and current recommendations. Hematology/Oncology/BMT Education, The Children's Hospital. April 2006.

5. Madden, JR. Neurologic Assessment. Oncology Foundations class, The Children's Hospital. January 2008.

6. Madden, JR. NeuroOncology and Neurologic Assessment. Surgical and Multidisciplinary Specialties Center, The Children's Hospital. February 2008.

7. Madden, JR. Neurologic Assessment. Oncology Foundations class, The Children's Hospital. September 2009.

8. Madden, JR. Long Term Survivors of Brain Tumors; Moderator, Hematology/Oncology/BMT Education, The Children's Hospital. March, 2010.

9. Madden, JR. NeuroOncology. Surgical and Multidisciplinary Specialties Center, The Children's Hospital. April 2010.

10. Madden, JR. Understanding Common Pediatric Brain Tumors. Surgical and Multidisciplinary Specialties Center, The Children's Hospital. September 2010.

11. Madden, JR. NeuroOncology and Neurologic Assessment. Oncology Foundations class, Childrens Hospital Colorado. March 2013.

12. Madden, JR. NeuroOncology and Neurologic Assessment. Oncology Foundations class, Children’s Hospital Colorado. September 2013.

13. Madden, JR. Pediatric Brain Tumors. Surgical and Multidisciplinary Specialties Center, Children’s Hospital Colorado. October 2013.

14. Madden, JR, Foreman, NK. Pediatric Hospice for NeuroOncology. Denver Hospice. October 2013.

15. Madden, JR, Polito, AR. Pediatric Hospice Symptom Management. TruCommunity Care Hospice, Boulder, CO. January 2014.

16. Madden, JR. Brain Tumors: Overview and Q&A. Hematology/Oncology/BMT Education. February and August 2014.

17. Madden, JR. Whittaker, R. Code Gray: Escalation versus Palliation. 4th Annual Escalating Care in the Pediatric Patient Conference. 6th, 8th, 9th Floors Nursing Education. November 2014.

18. Madden, JR, Hemenway, MS. Medical Marijuana in the Oncology Patient. Hematology/Oncology/BMT Education. April and October 2017.

19. Madden, JR. Neurologic Overview and Brain Tumor Update. Peri-operative Nurses. September 2017.

**REGIONAL INVITED LECTURES**

1. Madden, JR. Pediatric Case Studies. O’Neil Pediatric Clinical Update, The Children's Hospital. September 2005.

2. Madden, JR. Brain Tumors: What the School/Community Nurse Needs to Know. Community and School Health Pediatric Conference, The Children's Hospital. June 2007.

3. Madden, JR, Mowry, P. Creative Arts Therapy Improves Quality of Life. Association of Pediatric Hematology/Oncology Nurses Regional Chapter, November 2010.

4. Madden, JR. When to Suspect Cancer. Nurse Practitioner Program. University of Colorado, College of Nursing. April 2012.

5. Madden, JR. When to Suspect Cancer. Nurse Practitioner Program. University of Colorado, College of Nursing. March 2013.

6. Madden, JR, Polito, A. End of Life Care in the Hospital and Home. End of Life Nursing Education Consortium (ELNEC). October 2013.

7. Madden, JR, Montgomery, K, Hemenway, MS. Communication Considerations. End of Life Nursing Education Consortium (ELNEC). October 2013.

8. Madden, JR. When to Suspect Cancer. Nurse Practitioner Program. University of Colorado, College of Nursing. May 2014.

9. Madden, JR. Children’s Hospital Colorado: Pediatric Palliative Care and Kids with Brain Tumors. Colorado Association of Healthcare Auxilians/Volunteers. September 2014.

10. Madden, JR. Pediatric Brain Tumors: An Overview and the Latest Treatments. Neuroscience Nursing Conference. Children’s Hospital Colorado. August 2015.

11. Madden, JR, Hemenway, MS. End of Life Symptoms. End of Life Nursing Education Consortium (ELNEC). October 2015.

12. Madden, JR, Hemenway, MS. Time of Death. End of Life Nursing Education Consortium (ELNEC). October 2017.

13. Raybin, JL. End of Life in Pediatric Cancer. The Denver Hospice. December 2017.

**NATIONAL INVITED MODERATOR**

1. Madden, JR. Moderator: Endocrinologic Emergencies in Oncology. Association of Pediatric Hematology/Oncology Nurses Conference. October 2006.

2. Madden, JR. Moderator: Palliative care. Association of Pediatric Hematology/Oncology Nurses Conference. October 2010.

3. Madden, JR. Hemenway, M. Christensen, M. Moderator: Advanced Practice Nursing. Association of Pediatric Hematology/Oncology Nurses Conference. September 2011.

4. Madden, JR. Harris, N. Moderator: Advanced Practice Nursing. Association of Pediatric Hematology/Oncology Nurses Conference. October 2012.

5. Madden, JR. Moderator: Hematology. Association of Pediatric Hematology/Oncology Nurses Conference. September 2013.

6. Madden, JR. Moderator: Immune Thrombocytopenia. Association of Pediatric Hematology/Oncology Nurses Conference. September 2014.

7. Madden, JR. Moderator: Advanced Practice Nursing. Association of Pediatric Hematology/Oncology Nurses Conference. September 2015.

**NATIONAL INVITED LECTURES**

1. Madden, JR. Cullen, P. CNS tumors: A Story of Passion for Saving and Improving Lives and Neurons through Clinical Trials. Association of Pediatric Hematology/Oncology Nurses Conference. September 2011.
2. Madden, JR. Stratton, A. COG Cancer Control Research: Nursing in the Spotlight. Association of Pediatric Hematology/Oncology Nurses Conference. October 2012.
3. Madden, JR. Advanced Practice in Hem/Onc: Challenges and Joys. Arnold Palmer Children’s Hospital. November 2012.
4. Madden, JR. Confidently Caring for Children with Brain Tumors on COG Clinical Trials. Association of Pediatric Hematology/Oncology Nurses Conference. October 2013.
5. Madden, JR. Molecular Subtyping: Update on COG protocols for CNS tumors. Association of Pediatric Hematology/Oncology Nurses Conference. September 2016.
6. Raybin JL. Your Patient Takes Medical Marijuana? Evidence Based Research in Action. Southern California Association of Pediatric Hematology/Oncology Nurses Conference. May 2018.
7. Raybin JL. Pediatric Brain Tumors: An Overview and the Latest Treatments. Southern California Association of Pediatric Hematology/Oncology Nurses Conference. May 2018.
8. Madden, JR. Beauchemin, M. COG Supportive Care Guidelines Update for APNs. Association of Pediatric Hematology/Oncology Nurses Conference. September 2018.

**TEACHING RECORD**

1992-1998 Dance Instructor, Preschool Teacher, Ski Intructor

1999-present Routine bedside teaching in NeuroOncology:

Fellows (6/year)

Residents (12/year)

Pharmacology Residents (1/year)

2000-present Primary Clinical Preceptor:

PNP students (1-2/year; semester-long weekly commitment)

PA students (1-2/year, month-long daily commitment)

2000-present Created and ongoing revision of curriculum: Brain Tumor Handouts

Educating Fellows, Residents, Nurse Practitioners, Physician Assistants, Nurses in the diagnosis, prognosis, treatment of pediatric brain tumors. Consulted nationally by other nurse practitioners for education.

2002-present Community teaching at regional public and private schools K-12: Pediatric brain tumors.

2007-present Quarterly workshops related to academic promotions process to Instructors in

section.

2010-present Developed national curriculum for week-long NeuroOncology PNP residency training (attended by Florida PNP in 2010, Ohio PNP in 2013, Arizona PNP in 2016).

2012-present Annual workshops for hospice nurses regarding end-of-life care for pediatric brain tumor patients

2012-present Lecturer for Chronic Illness Class, NP students, University of Colorado, College of Nursing.

2013-present Invited speaker for ELNEC (End of Life Nursing Education Consortium) regional training.

2015 Invited speaker Palliative Care for Acute Care PNP students, University of Colorado, College of Nursing

**DEPARTMENT-SUPPORTED RESEARCH**

2016 Symptom Assessment Study, Co-Principal Investigator, IRB approved. Multi-center trial.

2013 Resiliency in Pediatric Brain Tumors, Principal Investigator, IRB approved.

2013 Nutrition in Pediatric Brain Tumors, Principal Investigator, IRB approved. Multi-center trial.

2012 Oxidative Stress and Quality of Life in Pediatric Brain Tumors, Principal Investigator, IRB approved. National collaboration with University of Arizona.

2010 Creative Arts Therapy (CAT) in the Center for Cancer and Blood Disorders, Principal Investigator. IRB approved.

2010 A Phase II Placebo-Controlled Trial of Modafinil to Improve Neurocognitive Deficits in Children Treated for a Primary Brain Tumor, Children’s Oncology Group, Committee Member, COG ACCL 0922.

2010 Feasibility of MRI versus ultrasound to diagnose central venous access device associated thrombosis, Bristol Meyers Squibb, Co-Investigator. IRB approved. Salary support from BMS.

2009 Efficacy of a new DVD in addition to routine patient education with external central lines, Principal Investigator. IRB approved.

2007 Feasability of Using Concurrent Carboplatin and Reduced Dose Craniospinal Radiation (24 Gy) for Metastatic Medulloblastoma, Principal Investigator. IRB approved.

2007 A Registry for Central Nervous System Atypical Teratoid/Rhabdoid Tumor, Principal Investigator. IRB approved.

2002-2009 A Pilot Study of Creative Arts Therapy for Pediatric Brain Tumor Patients, Principal Investigator. IRB approved.

2002-2009 Protocol to evaluate use of intravenous fluids and electrolyte levels after craniotomy for brain tumors, IRB approved.

1999-present Protocol to collect and study samples of brain tumors, IRB approved.

1999 Dance/movement therapy and the self-perception of adolescents with cancer. Unpublished Master’s thesis, Yale University School of Nursing, New Haven, CT.

**DONATION AND GRANT SUPPORT**

2016 Dakoda Bell Family Navy Officer Fund for Creative Arts Therapy

$4,344.

2016 Children’s Hospital Colorado Volunteer’s Association, Palliative Care Supplies $750.

2015 Alex’s Lemonade Stand Foundation, Nurse Fellowship Researcher Grant, local PI, $50,000/year for 2 years.

2014 Newfield Foundation, Program Support Grant, $25,000.

2014 Donation from Westall Family, $3,000.

2013 Newfield Foundation, Program Support Grant, $15,000.

2013 Morgan Adams Foundation, Creative Arts Therapy Project, $15,000.

2012 Donation from the Odell Family, Creative Arts Therapy Project, $6,000 annually for 10 years.

2012 Donation from the Raybin Family, Creative Arts Therapy Project, $10,000 annually for 10 years.

2012 Newfield Foundation, Program Support Grant, $10,000.

2012 Morgan Adams Foundation, Creative Arts Therapy Project, $15,000.

2011 Newfield Foundation, Program Support Grant, $5,000.

2011 Donation from the Raybin Family

Principal Investigator, Creative Arts Therapy Project, $15,000.

2010 DAISY Foundation, Competitive, Peer Reviewed Award

Principal Investigator, Creative Arts Therapy Project, $5,000.

2009 Donation from the Raybin Family

Principal Investigator, Creative Arts Therapy Project, $10,000.

2009 Gabby Krause Foundation

Renewed salary support for Creative Arts Therapist.

2006 Gabby Krause Foundation

Salary support for 2 years for Creative Arts Therapist.

2003 Donation from the NeuroOncology Research Fund, Nick Foreman, MD

Principal Investigator, Creative Arts Therapy Project.

2002 Donation from the Rosetti Family

Principal Investigator, Creative Arts Therapy Project, $10,000.

2001 Luke Fernie Nursing Research Award

Principal Investigator, Creative Arts Therapy Project, $2000.

**PEER REVIEWED PUBLICATIONS**

1. **Madden, JR**, Fenton, LZ, Weil, M, Winston, KR, Partington, M, Foreman, NK. (2001).

Experience with tamoxifen/etoposide in the treatment of a child with myxopapillary

ependymoma. Medical and Pediatric Oncology, 37: 67-69.

2. Fenton, LZ, **Madden, JR**, Foreman, NK. (2003). Brain stem glioma in a child: False

diagnosis of radiation necrosis with FDG PET. Medical and Pediatric Oncology, 40: 260-262.

3. Kleinschmidt-Demasters, BK, Lovell, MA, Donson, AM, Wilkinson, CC, **Madden, JR**,

Addo-Yobo, SO, Lillehei, KO, Foreman, NK. (2007). Molecular array analyses of 51 pediatric

tumors shows overlap between malignant intracranial ectomessenchymoma and MPNST but not

medulloblastoma or atypical teratoid rhabdoid tumor. Acta Neuropathol, 2007 Mar 13.

4. [Donson, AM, Erwin NS, Kleinschmidt-DeMasters BK,](C:\\pubmed\\17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum" \o "/pubmed/17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) **[Madden JR](C:\\pubmed\\17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum" \o "/pubmed/17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)**[, Addo-Yobo SO,](C:\\pubmed\\17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum" \o "/pubmed/17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

[Foreman NK (2007).](C:\\pubmed\\17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum" \o "/pubmed/17882018?ordinalpos=11&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) Unique molecular characteristics of radiation-induced glioblastoma. J

Neuropathol Exp Neurol. Aug;66(8):740-9.

5. **Madden, J**, Foreman, NK, Liu, AK (2009). [Germ cell tumors of the brainstem: report on two](http://www.ncbi.nlm.nih.gov/pubmed/19139823?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)

[cases with pulmonary complications and a review of the literature.](http://www.ncbi.nlm.nih.gov/pubmed/19139823?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum) J Neurooncol.Jul;93(3):405-8.

6. **Madden, JR**, Dobyns, E, Handler, M, Foreman, NK. (2010). Experience with electrolyte

levels after craniotomy for pediatric brain tumors. J Ped Onc Nurs. Jan-Feb;27(1):21-3.

7. **Madden, JR,** Mowry, P, Gao, D, McGuire Cullen, P, Foreman, NK. (2010). Creative Arts Therapy Improves Quality of Life for Pediatric Brain Tumor Patients Receiving Outpatient Chemotherapy. J Ped Onc Nurs. May-Jun;27(3):133-45.

8. **Madden, JR**, Addo-Yobo, SO, Donson, AM, Liu, AK, McNatt, S, Kleinschmidt-Demasters, BK, Fenton, LZ, Foreman, NK, Smith, AS. (2010). Radiation Induced Glioblastoma Multiforme in Children Treated for Medulloblastoma with Characteristics of both Medulloblastoma and Glioblastoma Multiforme. J Ped Hem Onc. Oct;32(7):e272-8.

9. Gerrie, S. **Madden, J**. Servetar, E. (2011). Development of two Satellite Hematology/ Oncology/ BMT Clinics in Colorado. Pediatric NP/PA. Feb; (2)1.5.

10. Wilkening, G, **Madden**, J, Foreman, N. (2011). Memory Deficits in Patients with Pediatric CNS Germ Cell Tumors. Ped Blood Cancer. Sep;57(3):486-91.

11. Qi XS, Stinauer M, Rogers B, **Madden JR**, Wilkening GN, Liu AK. (2012). [Potential for Improved Intelligence Quotient Using Volumetric Modulated Arc Therapy Compared With Conventional 3-Dimensional Conformal Radiation for Whole-Ventricular Radiation in Children.](http://www.ncbi.nlm.nih.gov/pubmed/22516805) Int J Radiat Oncol Biol Phys. Dec 1;84(5):1206-11.

12. Wilkening GN, **Madden JR**. (2012). [Memory disorders in children with central nervous system germ cell tumors.](http://www.ncbi.nlm.nih.gov/pubmed/22647728) J Pediatr Oncol Nurs. May-Jun;29(3):161-70.

13. Qi XS, Stinauer M, Rogers B, **Madden JR**, Wilkening GN, Liu AK. (2012). Potential for improved intelligence quotient using volumetric modulated arc therapy compared with conventional 3-dimensional conformal radiation for whole-ventricular radiation in children. Int J Radiation Oncol Biol Phy. Vol. 84, No. 5, pp. 1206e1211.

14. Sturm D, Witt H, Hovestadt V, Khuong-Quang DA, Jones DT, Konermann C, Pfaff E, Tönjes M, Sill M, Bender S, Kool M, Zapatka M, Becker N, Zucknick M, Hielscher T, Liu XY, Fontebasso AM, Ryzhova M, Albrecht S, Jacob K, Wolter M, Ebinger M, Schuhmann MU, van Meter T, Frühwald MC, Hauch H, Pekrun A, Radlwimmer B, Niehues T, von Komorowski G, Dürken M, Kulozik AE, **Madden J**, Donson A, Foreman NK, Drissi R, Fouladi M, Scheurlen W, von Deimling A, Monoranu C, Roggendorf W, Herold-Mende C, Unterberg A, Kramm CM, Felsberg J, Hartmann C, Wiestler B, Wick W, Milde T, Witt O, Lindroth AM, Schwartzentruber J, Faury D, Fleming A, Zakrzewska M, Liberski PP, Zakrzewski K, Hauser P, Garami M, Klekner A, Bognar L, Morrissy S, Cavalli F, Taylor MD, van Sluis P, Koster J, Versteeg R, Volckmann R, Mikkelsen T, Aldape K, Reifenberger G, Collins VP, Majewski J, Korshunov A, Lichter P, Plass C, Jabado N, Pfister SM. (2012). [Hotspot mutations in h3f3a and idh1 define distinct epigenetic and biological subgroups of glioblastoma.](http://www.ncbi.nlm.nih.gov/pubmed/23079654) Cancer Cell. Oct 16;22(4):425-37.

15. Arland LC, Hendricks-Ferguson VL, Pearson J, Foreman NK, **Madden JR**. (2013). Development of an in-home standardized end-of-life program for pediatric patients dying of brain tumors.J Spec Pediatr Nurs. Apr;18(2):144-57.

16. **Madden JR**, Rush SZ, Stence N, Foreman NK, Liu AK. (2013). Radiation induced gliomas in two pediatric patients with neurofibromatosis type 1: Case study and summary of the literature. J Pediatr Hem Oncol. Mar;36(2):e105-8.

17. **Madden JR,** Hendricks-Ferguson VL, Foreman NK. (2013). Neurologic Symptoms in Pediatric Brain Tumor Patients on Hospice Continuous-Infusion Midazolam. J Hospice Pallia Nurs. Dec: 15(8):435-43.

18. Hendricks-Ferguson VL, Foster Akard T, **Madden JR**, Peters-Herron A, & Levy R. (2015).

Contributions of Advanced Practice Nurses With a DNP Degree During Palliative and End-of-Life Care of Children With Cancer. J Pediatr Oncol Nurs. 32(1):32-9.

19. **Madden JR,** Vaughn EA, Northouse B, Tong S, Dorneman L, Foreman N, Rush S, Hendricks-Ferguson VL. (2015). Benefits of Using an Early Palliative Care Intervention in Pediatric Oncology: Quality of Life and Cost Savings related to Home Delivery of Cisplatin. J Hospice Palliative Nurs. 17(4):319-24.

20. Lafay-Cousin L, Smith A, Chi SN, Wells E, **Madden J**, Margol A, Ramaswamy V, Finlay J, Taylor MD, Dhall G, Strother D, Kieran MW, Foreman NK, Packer RJ, Bouffet E. (2016). Clinical, Pathological, and Molecular Characterization of Infant Medulloblastomas Treated with Sequential High-Dose Chemotherapy. Pediatr Blood Cancer.

21. **Madden JR**, Evans A, Hemenway M, Stark E, Kissell E, Polito A, Batson D, Stark M, Dhall G, Garvin JH, Foreman NK, Vibhakar R. (2016) Vincristine and Vinblastine: Is checking bilirubin mandatory in children with Brain Tumors? Pediatr Blood Cancer.

22. Green AL, Mulcahy Levy JM, Vibhakar R, Hemenway M, **Madden J,** Foreman N, Dorris K. (2017) Tumor treating fields in pediatric high-grade glioma. Child Nerv Sys.

23. Patel1 P, Robinson, PD, Thackray, J, Flank J, Holdsworth MT, Gibson PT, Orsey A, Portwine C, Freedman J, **Madden JR,** Phillips R, Sung L, Dupuis LL. (2017) Guideline for the prevention of acute chemotherapy-induced nausea and vomiting in pediatric cancer patients: A focused update. Pediatr Blood Cancer.

**SCIENTIFIC ABSTRACTS, NATIONAL, COMPETETIVE**

1. **Madden, JR**, Mowry-Rutter, P, Strecker, R, Foreman, NK. Creative Arts Therapy for Pediatric Patients Receiving Outpatient Infusions in the Center for Cancer and Blood Disorders. Eleventh National Magnet Conference. October 2007. Poster.

2. **Madden, JR**, Birch, S, Kappius, J, King, N. Computerized Chemotherapy Order Sets Created by Nurse Practitioners. Association of Pediatric Hematology Oncology Nurses. September 2008. Poster.

3. **Madden, JR**, Liu, A, Foreman, NK. Nurse Practitioner as Principal Investigator of Therapeutic Protocol. Association of Pediatric Hematology Oncology Nurses. September 2009. Poster.

4. **Madden, JR**, West, K, Simms, W, Strecker, R, Van Stelle, J, King, N. Efficacy of a new DVD in addition to routine patient education with external central lines. Association of Pediatric Hematology Oncology Nurses. September 2009. Poster.

5. Gerrie, S, Kephart, T, **Madden, JR**, Servetar, E. Development of satellite Hematology/Oncology/BMT clinics in Colorado. Association of Pediatric Hematology Oncology Nurses. October 2010. Poster.

6. **Madden, JR**. Creative Arts Therapy for Pediatric Patients in the Center for Cancer and Blood Disorders. Association of Pediatric Hematology Oncology Nurses. September 2011. Poster.

7. Sims, W, Legette, F, **Madden, JR**. Emergency in Pediatric Radiation Oncology: RN Evaluations of Practicing Resuscitation. Association of Pediatric Hematology Oncology Nurses. September 2011. Poster.

8. **Madden, JR**, Hemenway, M, Dorneman, L, Strecker, R, Foreman, NK. Outpatient cisplatin for average risk medulloblastoma; 15 year experience. CRA Poster Session, Children’s Oncology Group. September 2011. Poster.

9. Smolik, S, Garrington, T, Liu, AK, **Madden, JR**. Establishing a Referral and Documentation Process Between an Outpatient Oncology Setting with Offsite Radiation Oncology**.** Association of Pediatric Hematology Oncology Nurses. September 2013. Poster.

10. **Madden, JR**, Polito, A, Montgomery, K, Hemenway, MS. End of Life: How Do I Advocate for the Best Symptom Management? Association of Pediatric Hematology Oncology Nurses. September 2014. Poster.

11. **Madden, JR**. ANC Less Than 500, Should You Worry? How Hematology Neutropenias and Other Immunodeficiencies Differ. Association of Pediatric Hematology Oncology Nurses. September 2014. **\*\*Podium Presentation\*\***

12. **Madden, JR**, Hemenway, MS. Current Innovations in Targeted Therapies for Children with Brain Tumors. Association of Pediatric Hematology Oncology Nurses. September 2014. **\*\*Podium Presentation\*\***

13. Hemenway, MS, **Madden, JR,** Smolik, S, Thomas, K. Oncology Focused Physical Therapy: A Critical Team Member. Association of Pediatric Hematology Oncology Nurses. September 2014. Poster.

14. Lafay-Cousin L, Chi S, Smith A, Wells E, **Madden J**, Margol A, Ramaswamy V, Owen E, Strother D, Dhall G, Foreman N, Packer R, Bouffet E. Very Encouraging Long Term Survival and Neurocognitive Outcome of Young Children Treated for Medulloblastoma with Sequential High Dose Chemotherapy. Society for NeuroOncology. November 2014. Poster.

15. **Madden JR.**  Palliative Care—Not Just for the Dying Patient, and It’s OK to Say “Death.” Association of Pediatric Hematology Oncology Nurses. September 2015. **\*\*Podium Presentation\*\***

16. **Madden JR,** Hemenway, MS. Your Patient Takes Medical Marijuana?--Evidence Based Research in Action. Association of Pediatric Hematology Oncology Nurses. September 2016. **\*\*Podium Presentation\*\* AND \*\*Invited Webinar\*\***

**SCIENTIFIC ABSTRACTS, INTERNATIONAL, COMPETETIVE, RESULTING IN PUBLICATION**

1. **Madden, JR**, Foreman, NK. Successful use of Tamoxifen/Etoposide in the Treatment of Myxopapillary Ependymoma in a 13 year-old girl. 9th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 2:S84, Abstract 58, 2000.

2. Foreman, NK, **Madden, JR**. Outcomes in a new pediatric Neuro-Oncology Program. 9th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 2:S72, Abstract 5, 2000.

3. **Madden, JR**, Mowry-Rutter, P, Strecker, R, Foreman, NK. Creative arts therapy for pediatric brain tumor patients during outpatient chemotherapy. 9th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 6:447, 2004.

4. **Madden, JR**, Mowry-Rutter, P, Strecker, R, Foreman, NK. Results of Randomized Study of Creative Arts Therapy for Pediatric Brain Tumor Patients During Outpatient Chemotherapy. 13th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 10:459, 2008. **\*\*Podium Presentation\*\***

5. **Madden, JR**, Hemenway, M, Handler, M, Liu, A, Foreman, NK. Experience with Pediatric Ependymomas over Ten Years. 13th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 10:407, 2008.

6. **Madden, JR**, Fenton, L, Handler, M, Liu, A, McNatt, S, Smith, A, Foreman, NK. Unexpected Adverse Outcomes Related To Therapy For Non-metastatic Medulloblastoma. 13th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 10:489, 2008.

7. Hemenway, M, **Madden JR**, Foreman, NK. A tertiary care hospital’s neuro-oncology program experience with pilomyxoid astrocytomas.. 13th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 10:500, 2008

8. **Madden, JR**, Liu, AK, Foreman, NK. Feasibility of using concurrent carboplatin and reduced dose craniospinal radiation (24 Gy) for metastatic medulloblastoma and high-risk supratentorial PNET. 14th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 12:ii59, 2010.

9. **Madden, JR**, Rush, SZ, Donson, AM, Kleinschmidt-DeMasters, BK, Vibhakar, R, Foreman, NK. Gene expression in lateralizing medulloblastomas in adolescents and young adults shows more similarity to astrocytomas. 14th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 12:ii52, 2010.

10. **Madden, JR**, Hemenway, MS, Dorneman, L, Strecker, R, Foreman, NK. Outpatient cisplatin for average risk medulloblastoma; 15 year experience. 14th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 12:ii112, 2010.

11. Hemenway, MS, **Madden, JR**, Foreman, NK. A Tertiary Care Hospital’s Neuro-Oncology Program Experience with High Dose Chemotherapy for CNS Tumors. 14th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 12:ii14, 2010.

12. Hemenway, MS, **Madden, JR**, Gaspar, LE, Handler, MH, Foreman, NK, Liu, AK. Intracranial Non-Germinomatous Germ Cell Tumors: Secretion of AFP and HCG and Implication for Radiation Treatment Volumes. 14th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 12:ii104, 2010.

13. Batchelder, PL, Foreman, NK, **Madden, JR**, Wilkinson, C, Handler, MH. Catastrophic presentations in pediatric brain tumors. 14th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology 12:ii79, 2010.

14. Wilkening, G, Foreman, NK, **Madden, JR**. Amnesia is associated with germ cell tumors in adolescents and young adults. SIOP-Psychosocial Oncology Meeting. October 2011.

15. **Madden, JR**, Bess, H, Chordas, C, LaFond, D, Packer, RJ, Hilden, J, Smith, AS, Marcus, K, Chi, S, Foreman, NK, Liu, AK. Hemoglobin parameters for pediatric brain tumor patients undergoing cranial spinal radiation. 15th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology. 2012. **\*\*Podium Presentation\*\***

16. Mitchell, M, Hemenway, MS, Foreman, NK, **Madden, JR**. Palliative care assessment in pediatric brain tumors. 15th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology. 2012.

17. Chick, E. Donson, AM, **Madden, JR**, Owens, E, Smith, AS, Foreman, NK. DILEMMA: How to Best Obtain Snap Frozen Tissue at Diagnosis. 15th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology. 2012.

18. Hemenway, MS, **Madden, JR,** Liu, AK, Vibhakar, R, Foreman, NK. Pilot Study of Nutritional Data in Pediatric Brain Tumors. 15th International Symposium on Pediatric Neuro-Oncology. Neuro-Oncology. 2012. **\*\*Podium Presentation\*\***

19. Rush, SZ, **Madden, JR**, Hemenway, MS, Foreman, NK. Mutations in PTPN 11 Gene May Predispose to Development of Midline Low Grade Gliomas. Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

20. Lafay-Cousin, L, Chi, S, **Madden, JR**, Smith, A, Wells, E, Owens, E, Strother, D, Foreman, NK, Packer, R, Bouffet, E. Long Term Follow Up of Infants with Medulloblastoma Treated with Sequential High Dose Chemotherapy. Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

21. Fay-McClymont, T, Walsh, K, Mabbott, D, Smith, A, Wells, E, **Madden, JR**, Chi, S, Owens, E, Strother, D, Packer, R, Foreman, NK, Bouffet, E, Lafay-Cousin, L. Long Term Neuropsychological Follow-Up of Young Children With Medulloblastoma Treated According to the CCG 99703 Regimen. Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

22. Handler, M, Hankinson, T, **Madden, JR**, Kleinschmidt-Demasters, BK, Foreman, NK. [Disseminated Leptomeningeal PNET without a Primary Tumor: 5 Cases](file:///Users/jennJennyymadden/Downloads/conf/MB-051.html). Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

23. **Madden, JR**, Foreman, NK, Donson, AM, Mirsky, DM. [Good Outcome In Multiply Relapsed Metastatic Medulloblastoma Associated with Immune Reaction](file:///Users/jennJennyymadden/Downloads/conf/MB-100.html). Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

24. Hemenway, MS, Foreman, NK, **Madden, JR**. [NeuroOncology Allied Health Residency](file:///Users/jennJennyymadden/Downloads/conf/NU-005.html).

Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

**\*\*Podium Presentation\*\***

25. **Madden, JR**, Hemenway, MS, Foreman, NK, Rush, SZ. [How to Do More With Less: Outpatient Chemotherapy](file:///Users/jennJennyymadden/Downloads/conf/NU-006.html). Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

**\*\*Podium Presentation\*\***

26. **Madden, JR**, Prince, E, Zeitler, P, Foreman, NK, Liu, AK. [Sexual Functioning in Male Pediatric Brain Tumor Survivors](file:///Users/jennJennyymadden/Downloads/conf/QL-024.html). Neuro Oncol 2014 June; 16(Suppl 1): 1-157.

**BOOK CHAPTERS**

1. King, N, Christensen, M, Hemenway, MS, **Madden, JR**, Peltz, AC, Pounder, E. Pediatric Oncology. In: Oncology Nursing, 5th edition, (eds) Langhorne, ME, Fulton, JS, Otto, SE. Mosby. Chapter 18. 2007.
2. **Madden, JR**. Tumor Lysis Syndrome. In: Pediatric Acute Care, (eds) Reuter-Rice, K, Nachtsheim Bolick, B. Jones and Bartlett. Chapter 28. 2011.
3. Kabat, S, **Madden, JR**. Palliative Care in Hemophilia. In: Pediatiric Life-Threatening Conditions, (ed) Hendricks-Ferguson, VL, Sutermaster, DJ. 2015.
4. **Madden, JR**. Palliative Care in Pediatric Traumatic Brain Injury. In: Pediatiric Life-Threatening Conditions, (ed) Hendricks-Ferguson, VL, Sutermaster, DJ. 2015.
5. **Madden, JR**, Farrar-Laco, M, Freibert, S. Palliative Care in Pediatric Brain Tumors. In: Pediatiric Life-Threatening Conditions, (ed) Hendricks-Ferguson, VL, Sutermaster, DJ. 2015.

**EDUCATIONAL INVITED PUBLICATIONS**

1. Pearson, J, **Madden, JR**. (2001). Challenges of pediatric terminal care: Two case studies.

Caring For Our Future, 3.

2. **Madden, JR**. (2000). Brain Tumor Handouts: Diagnosis, prognosis, current therapies. Presented to all Fellows, Residents, clinical students and to RNs on Oncology, Neurosurgery, PICU units.

3. **Madden, JR**. (2009). Revised Brain Tumor Handouts: Diagnosis, prognosis, current therapies. Presented to all Fellows, Residents, clinical students and to RNs on Oncology, Neurosurgery, PICU units.

**ARTISTIC ENDEAVORS**

September 2014 Creative Arts Therapy Radiation Mask Project: Art opening presenting the therapeutic work of children with cancer who decorated their radiation masks.

October 2015 Creative Arts Therapy Guest Musician: Brad Corrigan (of the indie band Dispatch). Guitar and drum workshops for children with cancer.