

Juliette Hukin-Round 5

Evaluation of Biomarkers in Relation to Recurrence Rate in Childhood Ependymoma

Funded in partnership with the Kids With Cancer Society and the Childhood Cancer Canada Foundation

Publications

1. Ailon T, Dunham C, Carret AS, Tabori U, Mcneely PD, Zelcer S, Wilson B, Lafay-Cousin L, Johnston D, Eisenstat DD, Silva M, Jabado N, Goddard KJ, Fryer C, Henderson G, Hawkins C, Dunn S, Yip S, Singhal A, **Hukin J.** The role of resection alone in select children with intracranial ependymoma: the Canadian Pediatric Brain Tumour Consortium experience. *Childs Nerv Syst.* 2014 Nov 13. [Epub ahead of print]
2. Li AM, Dunham C, Tabori U, Carret AS, McNeely PD, Johnston D, Lafay-Cousin L, Wilson B, Eisenstat DD, Jabado N, Zelcer S, Silva M, Scheinemann K, Fryer C, Henderson G, Fotovati A, Hawkins C, Yip S, Dunn SE, **Hukin J.** EZH2 expression is a prognostic factor in childhood intracranial ependymoma: a Canadian Pediatric Brain Tumor Consortium study. *Cancer.* 2015 May 1;121(9):1499-507. doi: 10.1002/cncr.29198. Epub 2015 Jan 13.

Conference Proceedings

1. Singhal A, Hukin J, Ailon T, Sargent M. "An analysis of survival rates in children with posterior fossa ependymoma: Is near-total excision as favourable as total excision?" *Neuro-Oncology* 2008;10(3) 470-471.
2. Hukin J, Ailon T, Yip S, Yamashita T, Sargent M, Singhal A, Henderson G, Fryer C, Goddard K. "Late recurrences of intracranial ependymoma". *Neuro-Oncology.* June 2008;10(3) 408
3. Hukin J, Yamashita T, Yip S, Ailon T, Sargent M, Singhal A, Milner R, Fryer C, Henderson G, Maguire J, Hawkins C, Dunn S. "Epidermal pathway growth factors in childhood ependymoma". *Neuro-Oncology.* June 2008;10(3) 390

Abstracts

4. T Yamashita, T Ailon, M Sargent, A Singhal, K Goddard, C Fryer, J Hukin. "Long-term functional outcome of childhood ependymoma survivors: stratified for year of diagnosis, location of primary tumor and irradiation". *43rd Annual Congress of the Canadian Neurological Sciences Federation, Victoria, BC. Vol 35 No 2 Supp 1 May 2008.*
5. J Hukin, T Yamashita, S Yip, T Ailon, M Sargent, A Singhal, G Henderson, J Maguire, C, Hawkins, SE Dunn. "Epidermal pathway growth factors in pediatric ependymoma". *43rd Annual Congress of the Canadian Neurological Sciences Federation, Victoria, BC. Vol 35 No 2 Supp 1 May 2008.*
6. T Ailon, A Singhal, S Michael, T Yamashita, C Fryer, K Goddard, J Hukin. "Concordance between radiological and surgical impression of extent of resection and point of attachment for posterior fossa ependymoma in children". *43rd Annual Congress of the Canadian Neurological Sciences Federation, Victoria, BC. Vol 35 No 2 Supp 1 May 2008.*
7. A Singhal, J Hukin, T Ailon. "Pediatric posterior fossa ependymoma; is near total resection as effective as total resection?" *43rd Annual Congress of the Canadian Neurological Sciences Federation, Victoria, BC. Vol 35 No 2 Supp 1 May 2008.*
8. T Ailon, J Hukin, S Yip, T Yamashita, M Sargent, A Singhal, C Fryer, G Henderson, K Goddard. "Late recurrences of childhood ependymoma". *43rd Annual Congress of the Canadian Neurological Sciences Federation, Victoria, BC. Vol 35 No 2 Supp 1 May 2008.*

9. J. Hukin, J. H. Law, S.Yip, J. Maguire, T. Yamashita, C. Fryer, A. Singhal, M. Sargent, T. Ailon, G. Henderson, C. Hawkins, S. E. Dunn. "Ependymoma stratification according to expression of the epidermal growth factor and the Y-box binding protein-1". *45th Congress of the Canadian Neurological Sciences Federation*, Quebec City, Quebec, Canada June 8 - 11, 2010.
10. J Hukin, U Tabori, D McNeely, A.S Carret, D Eisenstat, L Lafay-Cousin, D Johnston, B Wilson, N Jabado, S Zelcer, M Silva, R Barr, R Milner, M Bucevska, C Fryer. "Late ependymoma relapses: a Canadian pediatric multicentre study". *14th International Symposium on Pediatric Neuro-Oncology – ISPNO*, Vienna, Austria, June 20 – 23, 2010.
11. J Hukin, JH Law, S Yip, J Maguire, T Yamashita, C Fryer, A Singhal, T Ailon, G Henderson, C Hawkins, SE Dunn. "High-risk ependymomas are distinguishable by elevated expression of the epidermal growth factor and the Y-box binding protein-1". *14th International Symposium on Pediatric Neuro-Oncology ISPNO*, Vienna, Austria, June 20 – 23, 2010.
12. Hukin, J. et al. The outcome of supratentorial ependymoma diagnosed in infancy: a Canadian experience. 15th Biennial Canadian Neuro-Oncology Meeting. Vancouver, BC. Feb. 11th, 2012
13. Hukin, J.et al. Supratentorial childhood ependymoma treated with surgical resection alone upfront: Canadian experience. 15th Biennial Canadian Neuro-Oncology Meeting. Vancouver, BC. Feb. 11th, 2012
14. Hukin, J et al. Intracranial childhood Ependymoma surgical resection alone. 15th International Symposium on Pediatric Neuro-Oncology. June 24-27, 2012
15. Wilbur C, Dunham C, Hawkins C, Tabori U, Mabbott D, Carret AS, Lafay-Cousin L, McNeely PD, Eisenstat D, Wilson B, Johnston D, Hukin J. Functional Outcome of Children Diagnosed with Intracranial Ependymoma Under 36 Months of Age. Submitted Abstract No. 0346. The 16th International Symposium on Pediatric Neuro-Oncology. Singapore. 28 June 2014.

Invited Presentation

16. J Hukin: Clinical and molecular predictors of prognosis in childhood ependymoma. *World Cancer Congress* June 2009, Beijing, China
17. Hukin J: Clinical and molecular predictors of prognosis in childhood ependymoma. Pacific North West Pediatric Neurology Colloquium. June 5 2009.
18. Hukin J. High risk ependmoma distinguishable by elevated expression of EGFR and YB-1. *2nd Annual BC BrainCare Research Meeting*, BC Cancer Agency, May 12, 2010.
19. Upregulation of EZH2 and EGFR in childhood ependymoma is associated with poor prognosis and are potential therapeutic targets: a CPBTC study. 19th International Brain Tumor Research and Therapy Conference – Rapid Report. June 21-24, 2012. Niagara Falls.

Awards

Dr. Amanda Li won the UBC CSCI/CIHR Resident Research Prize Competition June 2015, based on the EZH2 ependymoma published manuscript: Li AM, Dunham C, Tabori U, Carret AS, McNeely PD, Johnston D, Lafay-Cousin L, Wilson B, Eisenstat DD, Jabado N, Zelcer S, Silva M, Scheinemann K, Fryer C, Henderson G, Fotovati A, Hawkins C, Yip S, Dunn SE, **Hukin J**. [EZH2 expression is a prognostic factor in childhood intracranial ependymoma: a Canadian Pediatric Brain Tumor Consortium study](#). *Cancer*. 2015 May 1;121(9):1499-507. doi: 10.1002/cncr.29198. Epub 2015 Jan 13.