

## **RARE-02: Craniopharyngiomas diagnosed as incidentalomas - results of KRANIOPHARYNGEOM 2007 [Abstract]**

**Svenja Boekhoff, Brigitte Bison, Maria Eveslage, Panjarat Sowithayasakul, Hermann L. Müller**

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and Pediatric Hematology/Oncology, University Children's Hospital, Klinikum Oldenburg AöR, Oldenburg, Germany. <sup>2</sup>Dept. of Neuroradiology, University Hospital, University of Augsburg, Augsburg, Germany. <sup>3</sup>Institute of Biostatistics and Clinical Research, University of Münster, Münster, Germany. <sup>4</sup>Dept. of Pediatrics, Faculty of Medicine, Srinakharinwirot University, Bangkok, Thailand

**PURPOSE:** Childhood-onset craniopharyngiomas (CP) are diagnosed due to clinical symptoms (symCP) or incidentally (incCP). We investigated clinical manifestations and outcome in incCPs and symCPs. **METHODS:** IncCP were discovered in 4 (3m / 1f) and symCP in 214 (101m / 113f) CP recruited 2007–2014 in KRANIOPHARYNGEOM 2007. Age, sex, height, body mass index (BMI), tumor volume, degree of resection, pre- and postsurgical hypothalamic involvement/lesions, pituitary function and outcome were compared between both subgroups. **RESULTS:** Reasons for imaging in incCP were cerebral palsy, head trauma, nasal obstruction, and tethered-cord syndrome, whereas headache (44%), visual impairment (25%), and growth retardation (17%) lead to imaging in symCP. Tumor volume at diagnosis was smaller in incCP (median 2.39 cm<sup>3</sup>; range: 0.14 – 4.10 cm<sup>3</sup>) when compared with symCP (15.86 cm<sup>3</sup>; 0.002 – 286.34 cm<sup>3</sup>). Age, gender, BMI, height, hydrocephalus, tumor location, and hypothalamic involvement at diagnosis of incCP were within the range of these parameters in symCP. Complete resections were achieved more frequently (3/4 patients) in incCP when compared with symCP (20%). Surgical hypothalamic lesions were distributed similar in incCP and symCP. Irradiation was performed only in symCP (33%). No noticeable differences were observed concerning survival rates, endocrine deficiencies, BMI, height, functional capacity and quality of life of the 4 incCP cases when compared with the symCP cohort. **CONCLUSIONS:** IncCP are rare (1.8%) and characterized by lack of endocrine deficiencies, resulting in normal height and BMI, no hydrocephalus, and smaller tumor volume at diagnosis when compared with symCPs. Outcome of the observed incCP is similar with symCP.

RARE-02. CRANIOPHARYNGIOMAS DIAGNOSED AS INCIDENTALOMAS - RESULTS OF KRANIOPHARYNGEOM 2007  
 Svenja Boekhoff<sup>1</sup>, Brigitte Bison<sup>2</sup>, Maria Eveslage<sup>3</sup>,  
 Panjarat Sowithayasakul<sup>4</sup>, Hermann L. Müller<sup>1</sup>; <sup>1</sup>Dept. of Pediatrics