

## **ASTRO School of Radiation Oncology**

### **MOC Online Self-assessment Module**

#### **Biosketch Information**

Karen J Marcus, M.D.  
Division Chief, Pediatric Radiation Oncology,  
Children's Hospital/Dana Farber Cancer Center, Boston  
Associate Professor  
Radiation Oncology (Pediatrics)  
Harvard Medical School

#### **Brief Disclosure Statement**

I have nothing to disclose.

#### **Brief Description of Responsibilities:**

I am trained in pediatrics, pediatric oncology and radiation oncology and am now the chief of pediatric radiation oncology at the Children's Hospital/Dana Farber Children's Cancer Center. In addition to full-time patient care and clinical research, I have been involved in institutional and national pediatric oncology protocols. I have been involved in teaching of our residents and medical students. I have authored numerous articles in peer-reviewed journals and book chapters and am actively involved in clinical and translational research in pediatric oncology. My chief areas of interest are in childhood sarcomas, neuroblastoma and pediatric brain tumors.

**Educational Preparation:** University of Maryland School of Medicine, Baltimore

**Degree:** M.D.

**Year Earned:** 1980

**Internship:** Children's Hospital of Philadelphia

**Residency (Pediatrics):** Children's Hospital of Philadelphia

**Fellowship (Pediatric Oncology):** National Cancer Institute

**Residency (Radiation Oncology):** Harvard Medical School

#### ***Select Papers:***

1. **Marcus KC**, Grier HE, Shamberger RC, Gebhardt MC, Perez-Atayde A, Silver B, and Tarbell N: Childhood soft tissue sarcomas in children: Twenty year experience, *J Pediatr* 1997;131:603-607.
2. **Marcus KJ**, Shamberger RC, Litman H, von Allmen D, Grupp SA, Nancarrow CM, Goldwein J, Grier HE, and Diller L. Primary tumor control in Patients with stage 3/4 unfavorable neuroblastoma treated with tandem double autologous stem cell transplants. *Journal of Pediatric Hematology/Oncology. J Pediatric Hematology-Oncology.* 25:934-940, 2003.

3. **Marcus KJ**, Astrakas LG, Zurakowski D, Zarifi MK, Mintzopoulos D, Poussaint TY, Anthony DC, De Girolami U, Black PM, Tarbell NJ and Tzika AA. Predicting survival of children with CNS tumors using proton magnetic resonance imaging biomarkers. *Int J Oncol* 2007;30 (3): 651-7.

***Selected Book Chapters:***

1. **Marcus KC**: Pediatric Solid Tumors. Textbook of Clinical Oncology, American Cancer Society, 3<sup>rd</sup> edition, Eyre HJ and Lenhard RE, eds. 2001
2. **Marcus KC** and Hodgson D: Prognostic factors in Pediatric Cancers. Prognostic Factors in Cancer, 2<sup>nd</sup> edition, Gospodarowicz MK, Henson DE, Hutter RVH, O'Sullivan B, Sobin L, Wittekind C, eds, John Wiley & Sons, Inc., New York, 2001.
3. Sandlund JT, **Marcus KJ**, and Behm FG: Management of Lymphoma in Children in Non-Hodgkin's Lymphoma, Armitage J, Coiffier B, Della-Favera R, Harris N, Mauch PM, eds, Lippincott Williams and Wilkins, Philadelphia, 2003.
4. **Marcus KJ** and Tarbell N: Pediatric Radiation Oncology, 4<sup>th</sup> edition, Halperin EC, Constine LS, Tarbell NJ, eds, Lippincott William and Wilkins, Philadelphia, 2003.