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Reply to Second Malignancies in Ewing Sarcoma Survivors

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We read with interest the letter submitted by Sultan in response to our publication "Longitudinal follow-up of adult survivors of Ewing Sarcoma: A report from the Childhood Cancer Survivor Study". We have reviewed their publication which estimated the standardized incidence ratio (SIR) of subsequent malignant neoplasms (SMNs) for Ewing sarcoma survivors diagnosed between 1973–2005 and the letter with updates which expanded the population of Ewing sarcoma survivors to 1973–2014. Both were based on the Surveillance Epidemiology and End Results (SEER) databases. While we agree that their paper and letter are generally consistent with ours, it is important to mention that the Sultan *et.al.* publication included all patients with Ewing sarcoma regardless of age and without any requirement for survival. Our study had two very important requirements for inclusion; all patients were younger than 21 years of age at diagnosis and had survived at least five years. When one considers these population differences, which are critical to SMN risk, it is difficult to compare SIR for SMN.

References

- 1. Sultan I, Rihani R, Hazin R, Rodriguez-Galindo C. Second malignancies in patients with Ewing Sarcoma Family of Tumors: A population-based study. Acta Oncologica. 2010; 49:237–244. [PubMed: 20100158]
- 2. Surveillance, Epidemiology and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence SEER 17 Regs Limited-Use Hurricane Katrina Impacted Louisiana Cases, Nov 2007 Sub (1973–2005 varying) Linked To County Attributes Total U.S., 1969–2005 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2008, based on the November 2007 submission.
- 3. Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence SEER 9 Regs Research Data, Nov 2016 Sub (1973–2014) <Katrina/Rita Population Adjustment> Linked To County Attributes Total U.S., 1969–2015 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2017, based on the November 2016 submission.
- Marina NM, Liu Q, Donaldson SS, Sklar CA, et al. Longitudinal follow-up of adult survivors of Ewing Sarcoma: A report from the Childhood Cancer Survivor Study. Cancer. 2017 Feb 21. Epub ahead of print. doi: 10.1002/cncr.30627