Cardiotoxicity in pediatric patients with Acute Myeloid Leukemia

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Introduction
• Cardiotoxicity in pediatric patients with Acute Myeloid Leukemia is associated with decreased overall and event-free survival
• Children’s Oncology Group AAML 1031 clinical trial data collected to explore this trend

Reflection
I learned about data abstraction and epidemiologic approaches to research
I learned a lot about pediatric Acute Lymphoblastic Leukemia and the process of writing/publishing a manuscript

Objective of Internship
To help lay the foundation of future research projects exploring cardiodynamics in children with AML

Work profile
• My job was to assist in data abstraction from the AAML 1031 data
• I also co-authored a Brief/Case Report on two patients who suffered rare and severe infections (CNS tuberculosis and a rare fungal infection in the eye) during their chemotherapy treatment

Ongoing Project
Infection is a serious concern for patients undergoing chemotherapy, and it can be difficult to treat the infection while controlling the leukemia
I am co-authoring a case report about two patients that were successfully treated by Dr. Aplenc’s team for tuberculosis of the brain and *Phellinus* rhinosinusitis
Hoping to begin the publishing process in the next month or two

Looking ahead
• Future collaboration with clinical data from CHOP to be used in my senior thesis research on racial disparities in pediatric Acute Lymphoblastic Leukemia outcomes

Questions
• What steps can be made to further mitigate the risk of cardiac toxicity in AML therapy?
• Do these results apply to adults with AML?
• How long does the publishing and peer review process take?

Conclusion
Working in the field of pediatric oncology is challenging but rewarding when the research results in meaningful discoveries that improve the lives of patients

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