



In May of 2013 Malcolm was diagnosed with stage 4 neuroblastoma. He received initial treatments at the University of Iowa Children's Hospital – treatments including 10 rounds of high-dose chemotherapy, surgery to remove tumors, and radiation to the head and abdomen. After about 7 months of treatment that was partially effective, he still had too much cancer in his body. The doctors at the University of Iowa referred us to Memorial Sloan Kettering Cancer Center in New York City for additional treatments and clinical trials only available there. Malcolm has received a number of treatments in NYC since that time. Most recently, he participated in a clinical trial for an immunotherapy targeted to neuroblastoma – Humanized 3F8. This treatment was miraculously effective for Malcolm (it does not work for every

child) and he is 18 months without any treatment and over 2 years with no evidence of disease (NED)! While neuroblastoma has very high recurrence rates, we are grateful for modern medicine and the wonderful, intelligent, and kind medical professionals who have care for Malcolm and our family during this trial. Malcolm is the middle child of 7, with 2 older brothers, an older sister, 1 younger brother, and two younger sisters. He loves trains, Superman, and people.