6yo male presented with 1 year history of cough and fatigue. Found to have a mass in the left lung and microcytic anemia.

Biopsy of left lung mass positive for IMT, ALK negative by IHC and FISH. Tumor deemed unresectable.

Indomethacin x 2 months. No response in tumor size. No change in HgB/MCV.

Naproxyn x 11 months. No response in tumor size. No change in HgB/MCV.

Steroid pulse. Transient increase in HgB/MCV.

5 cycles of methotrexate + vinorelbine. Stable disease as best response.

Detection of TFG-ROS1 fusion.

Crizotinib with decrease in tumor size and improvement in anemia and fatigue.

Time (months) since diagnosis

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