Worsening lung findings in a **SCID** patient

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Case Background

- 2 wk full term female infant ٠
- No pregnancy or delivery complications •
- Significant family history of immunodeficiency
- NJ NBS positive •

% CD3=12 (Absolute CD3=3) %CD4=10 (Absolute CD4=3) %CD8=7 (Absolute CD8=2) %NK=73 (Absolute NK=18) %CD19 (Absolute CD19=2)



Initial Admission Course

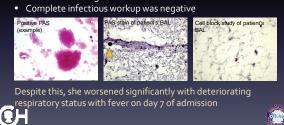
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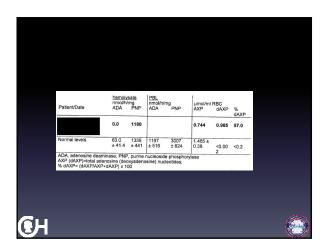
- Developed progressive coarse rales and brief desaturations LDH fell to 1105

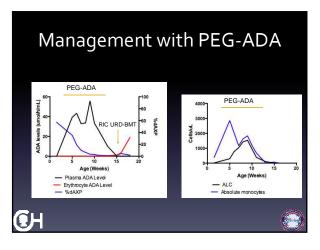
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Bronchoscopy with BAL was performed with 470 RBC, 270 WBC, 65% neutrophils, 16% monocytes and 10% lymphocytes.

- PAS stain was negative







Followup

- Labs from 16 months of age (13 months post-transplant):
 - Engraftment is 100%
 - Absolute CD₃+ 953, NK cell numbers are normal, Absolute CD₁9+ normal 546 with 8% switched memory B cells. Transitioned off IVIG, 1 yr post-
 - transplant all immunoglobulin levels are normal
 - PHA 39% of control
 - TRECs slowly improving and have normalized, and oligoclonality on spectratyping has been progressively decreasing

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At 6 months (shortly after hospital discharge) she was referred to early intervention due to speech and motor delay. Currently at 16 months sitting and cruising but cannot walk independently.

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