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### **Keywords:**

Lung transplantation, telomerase mutations

Abstract:

### **Background:**

Successful lung transplantation (LT) for patients with pulmonary fibrosis from telomerase mutations is limited by systemic complications of telomerase dysfunction including myelosuppression, cirrhosis, and malignancy. We describe clinical outcomes among 14 LT recipients with telomerase mutations.

### **Methods:**

Subjects underwent LT between February 2005 and April 2014 at 5 LT centers. We abstracted data from medical records, focusing on outcomes reflecting post-LT treatment effects likely to be complicated by telomerase mutations.

### **Results:**

The median age of subjects was 60.5 years (IQR 52.0-62.0), 64.3% were male, and the mean post-LT observation time was 3.2 years (SD  $\pm$ 2.9). Eleven subjects had a mutation in telomerase reverse transcriptase, 2 in telomerase RNA component, and 1 had an

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