Bile Acid Aspiration is Associated with Airway Infections: A Targeted Metabolomic Approach



A. Urso¹, D. F. Briganti¹, J. Costa¹, R. Nandakumar², H. Robbins¹, L. Shah¹, J. R. Sonett¹, S. Cremers², S. Arcasoy¹, F. D'Ovidio¹.

¹Lung Transplant Program, ²Dept. of Pathology, Columbia University, New York, NY.

OBJECTIVE	METHODS
Gastroesophageal reflux and bile acids (BAs) aspiration is a risk factor for chronic lung allograft dysfunction.	BW (238 samples) prospectively collected from 111 lung-Ix patients were retrospectively assayed by liquid chromatography-mass spectrometry for
BAs may compromise the broncho-alveolar innate immunity by deranging the lipid surface barrier and/or by direct modulation of macrophage activity	primary and secondary BAs BW cultures for bacterial fungal or viral infection were monitored
Targeted BAs metabolomics and bacterial, fungal and viral cultures were	Statistical analysis was performed via Mann Whitney test. Data shown as 25 th

