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KEYNOTE FORUM | DAY 2

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## The effect of regenerative medicine interventions on non-cystic fibrosis bronchiectasis

Bronchiectasis is a chronic disease of the lungs that results most commonly from an infectious process. There is often differentiation between Cystic Fibrosis related bronchiectasis caused by a genetic defect and non-Cystic Fibrosis related bronchiectasis. In this presentation, we will be discussing non-Cystic Fibrosis related bronchiectasis and will refer to it as simply bronchiectasis. The infections result in abnormal distortion of the bronchi consisting of dilation. This results in colonization by bacteria and chronic inflammation of the airways causing cough, purulent sputum, hemoptysis, dyspnea, chest pain fever, weakness and weight loss. Exacerbations have been common in the past but less so with more aggressive antibiotic therapy. Decreasing

lung function results in eventual death with rates varying with reports from 58% 4year survival to 81% at 14 years. In this study, we have attempted to try and control or alter the rate of progress of the disease and improve the patient's quality of life by utilizing Regenerative Medicine methods to try and control the damaging inflammatory process within the lungs. Patients underwent cellular therapy with their own cells harvested from peripheral blood or bone marrow along with platelet-rich plasma. This was done as a standardized protocol in an office setting. Safety and response rate for the protocol used has previously been reported. At the time of initial evaluation, PFT and COPD Assessment Test (CAT) studies were administered as well as severity scores for the disease. Follow up studies at 3 months were also done and will be presented here.

### Biography

Jack A Coleman has earned his MD from the



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University of Cincinnati College of medicine in 1979, did his internship and General Surgery requirement at Cincinnati general Hospital and Residency in Otolaryngology – Head and Neck Surgery at the University of Pittsburgh Eye and ear Hospital as well as a fellowship in Cosmetic and general Plastic Surgery at the English Plastic and Cosmetic Surgery Center. He has been an Assistant Professor at Vanderbilt University and Clinical Assistant Professor Virginia Medical School. Currently he is the Senior Medical Director of the Lung Health Institute. He has published 24 articles in refereed journals, many book chapters and 5 books related to his various interests in medicine as well as being a national and international guest lecturer.

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