

∂ Reply to Ward et al.

From the Authors:

We appreciate the congratulations offered by Ward and colleagues regarding our recent publication on the possible link between nontuberculous mycobacterial (NTM) pulmonary disease (PD) and gastroesophageal reflux disease (GERD) (1). As a basic-science laboratory dedicated to learning more about the biology, microbiology, and immunology of environmentally acquired NTM infections, the intersection of our work with gastroenterology is intriguing and timely. In the past, this group has certainly provided important data regarding the presence of Pseudomonas aeruginosa and Mycobacterium abscessus in gastric fluids and sputum of patients with cystic fibrosis (2, 3). Though both our groups commonly highlight a role for rapid-growing M. abscessus in the context of GERD, we believe that the slow-growing M. avium complex species will also emerge as an important group of NTM to investigate in future studies. Already, our colleagues have demonstrated the high prevalence of GERD in patients with M. avium complex PD (4, 5). We are in full concurrence with Ward and colleagues regarding the growing importance of the "aerodigestive" interaction for both the respiratory and gastrointestinal fields and believe this is a necessary and certainly opportune research area. We are delighted and thankful for our common interests and encourage other enthusiasts of NTM PD and cystic fibrosis to join us in studying the pathogenesis of NTM PD-GERD.

Author disclosures are available with the text of this letter at www.atsjournals.org.

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References

- Dawrs SN, Kautz M, Chan ED, Honda JR. Mycobacterium abscessus and gastroesophageal reflux: an in vitro study [letter]. Am J Respir Crit Care Med 2020;202:466–469.
- Al-Momani H, Perry A, Stewart CJ, Jones R, Krishnan A, Robertson AG, et al. Microbiological profiles of sputum and gastric juice aspirates in cystic fibrosis patients. Sci Rep 2016;6:26985.
- Al-Momani H, Perry A, Jones R, Bourke S, Doe S, Perry J, et al. Nontuberculous mycobacteria in gastrostomy fed patients with cystic fibrosis. Sci Rep 2017;7:46546.
- Koh WJ, Lee JH, Kwon YS, Lee KS, Suh GY, Chung MP, et al. Prevalence of gastroesophageal reflux disease in patients with nontuberculous mycobacterial lung disease. Chest 2007;131: 1825–1830.
- Thomson RM, Armstrong JG, Looke DF. Gastroesophageal reflux disease, acid suppression, and Mycobacterium avium complex pulmonary disease. Chest 2007;131:1166–1172.

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