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| **Dupilumab for COPD with Type 2 Inflammation (Elevated Eosinophils)** |
| Jana Moody1\*, Philip Bardin2\*, Surya P. Bhatt3, Klaus F. Rabe4, Nicola A. Hanania5, Claus Vogelmeier6, Jeremy Cole7, Mona Bafadhel8, Stephanie A. Christenson9, Alberto Papi10, Dave Singh11, Elizabeth Laws12, Xin Lu12, Deborah Bauer12, Eric Mortensen13, Jennifer Maloney13, Ashish Bansal13, Lacey B. Robinson14, Raolat M. Abdulai14 |
| *1Sanofi, New South Wales, Australia*  *2Monash Lung Sleep Allergy & Immunology, Monash Health and University, Melbourne, VIC, Australia; Hudson Institute, Melbourne, VIC, Australia 3Division of Pulmonary, Allergy and Critical Care Medicine, University of Alabama at Birmingham, Birmingham, AL, USA 4LungenClinic Grosshansdorf, Grosshansdorf, Germany; Christian Albrechts University of Kiel, Airway Research Center North, German Center for Lung Research, Grosshansdorf, Germany 5Section of Pulmonary and Critical Care Medicine, Baylor College of Medicine, Houston, Texas 6Department of Medicine, Pulmonary and Critical Care Medicine, Philipps-Universität Marburg, German Center for Lung Research (DZL), Marburg Germany 7OK Clinical Research, Edmond, OK, USA 8King’s Centre for Lung Health, School of Immunology and Microbial Sciences, Faculty of Life Sciences and Medicine, King’s College London, United Kingdom 9Division of Pulmonary, Critical Care, Allergy & Sleep Medicine, University of California, San Francisco, San Francisco, CA, USA 10University of Ferrara, Ferrara, Italy 11Manchester University NHS Foundation Trust, University of Manchester, Manchester, United Kingdom 12Sanofi, Bridgewater, NJ, USA 13Regeneron Pharmaceuticals Inc., Tarrytown, NY, USA 14Sanofi, Cambridge, MA, USA* |
| **Introduction/Aim:** Dupilumab (DPL), a fully human mAb, blocks the shared receptor component for IL-4 and IL-13, key/central drivers of Type 2 (T2) inflammation. The aim of this analysis was todetermine efficacy/safety in patients with moderate-to-severe COPD with T2 inflammation.  **Methods:** BOREAS (NCT03930732) was a 52-week (wk), phase 3, randomized, double-blind, placebo (PBO)-controlled trial of efficacy/safety of biweekly DPL 300mg in COPD pts with blood eosinophils ≥300cells/µL at screening, on triple therapy (an inhaled corticosteroid [ICS], long-acting β2-agonists [LABA], and long-acting muscarinic antagonists [LAMA]; or LABA/LAMA if ICS was contraindicated) without asthma diagnosis/history. Primary endpoint: annualized rate of moderate-severe exacerbations. Secondary/other endpoints: change from baseline (BL) in pre-bronchodilator FEV1 atwk 12 and wk 52; cumulative exacerbations over time; safety.  **Results:** 939 participants were randomized to PBO (N=471) or DPL (N=468). DPL reduced exacerbation rates by 30% vs PBO (p=0.0005). DPL significantly increased pre-BD FEV1 at wk 12 (LSM difference vs PBO: 83mL, p<0.0001); sustained through wk 52 (83mL, p=0.0003). This trended towards reduced exacerbation-associated annualized total SCS treatment duration for DPL (13.57 days [SD 13.17]) vs for PBO (19.09 days [SD 20.65]). Safety similar in DPL and PBO groups; TEAEs balanced.  **Conclusion:** DPL significantly improved moderate-severe exacerbations, lung function, quality of life, and symptoms in COPD patients with T2 inflammation. The use of SCS days required for the treatment of AECOPD trended lower with DPL.  **Grant Support:** \*Presenting on behalf of authors. Data first presented at the European Respiratory Society International Congress (ERS 2023); Milan, Italy; September 9-13, 2023. Research was sponsored by Sanofi and Regeneron Pharmaceuticals Inc. Medical writing/editorial assistance was provided by Luke Ray, Ph.D., of Excerpta Medica, and was funded by Sanofi and Regeneron Pharmaceuticals Inc., according to the [Good Publication Practice guidelines](https://www.acpjournals.org/doi/10.7326/M22-1460).  **Keywords:** Dupilumab, COPD, type 2 inflammation, efficacy, quality of life, safety |

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