

NOTE: This is a continuation of our 90-day review that yielded 49 AI-detected severe emphysema patients, which led to 27 new BLVR candidates within the pulmonology clinic, and the scheduling of 4 patients that qualified after cross-referencing for BLVR.

SITUATION

Emphysema and COPD are underdiagnosed in up to 50% of patients, and many are not found until later stages of the disease. For those presenting with advanced disease, having the latest options like Bronchoscopic Lung Volume Reduction (BLVR) to help them improve their breathing is extremely important. As a nationally ranked Pulmonology and Lung Surgery center, the Pulmonary clinic at the University of Chicago treats complex, chronic and rare lung diseases, and their clinicians are always looking for innovative approaches to patient care. Dr. D. Kyle Hogarth, Professor of Medicine in the Section of Pulmonary and Critical Care Medicine, saw the potential of Imbio's Population Screening Program as a way to identify patients seen anywhere in the hospital system that should have been referred to Pulmonology based on their imaging. Along with Dr. Ajay Wagh, Interventional Pulmonologist, the clinic is utilizing Imbio's artificial intelligence technology to identify and treat more patients who have COPD, including those with severe emphysema.



D. Kyle Hogarth, MD



Ajay Wagh, MD, MS

IMBIO IMPACT

"Imbio's unique platform helps us identify emphysema patients that could benefit from BLVR. It has been invaluable in helping us to keep our colleagues informed on additional treatment options that can help COPD patients in our community resulting in appropriate referrals and better care."

- Dr. Ajay Wagh

150-Day Review

67 new potential BLVR patients added to the clinic

after cross-referencing pre-existing conditions

8 patients treated or confirmed eligible for treatment

with a remaining qualification funnel of

40 additional patients under further evaluation

*19 patients deemed ineligible due to other clinical factors

SOLUTION

Imbio helps find the hidden patients in your health system. Imbio's suite of imaging AI algorithms automatically analyze a facility's daily chest CTs and specialists, like Dr. Hogarth and Dr. Wagh, are alerted to high risk patients who were not being routed to their clinic. Imbio AI also provides clinicians with visualization of the patient condition on their CT scan, and quantitative reports that can enhance the way the patient is diagnosed, treated, and managed. By analyzing and identifying patients across the UC institution and alerting the proper specialist, patients who may have been overlooked can receive preventative treatment, or advanced care, such as the BLVR procedure. Imbio provides a way to detect an issue that patients and providers may not have known existed, improving care. It also helps busy clinicians grow their practice and retain patients in their health system without disrupting their daily work.



Helping Patients



Growing Pulmonology Practice



Increasing Revenue