

**OPTN Lung Transplantation Committee
Promote Efficiency of Lung Allocation Workgroup
Meeting Summary
June 11, 2024
Conference Call**

**Marie Budev, DO, MPH, Chair
Matthew Hartwig, MD, Vice Chair**

Introduction

The Promote Efficiency of Lung Allocation Workgroup (Workgroup) met via Webex teleconference on 06/11/2024 to discuss the following agenda items:

1. Lung Donor Testing Part 2

The following is a summary of the Workgroup's discussions.

1. Lung Donor Testing Part 2

On May 21, 2024, the Workgroup recommended part one of the Lung Donor Testing project to the Lung Transplantation Committee. Part one included updates to [OPTN Policy 2.11.D: Required Information for Deceased Lung Donors](#) and [Guidance](#) on Requested Deceased Donor Information.

Lung Donor Testing Part 2 will include data collection and other system changes. The Workgroup will consider changes related to lung donor bronchoscopies, chest computed tomography (CT) scans, smoking history, predicted Total Lung Capacity (pTLC), lung measurements, and Peak Inspiratory Pressure (PIP).

Summary of discussion:

There was support for collecting pTLC data that would allow for calculation and display of pTLC in the OPTN Computer System. Members supported using the European Respiratory Society (ERS) formulas. The Workgroup recommended enhancing data collection for donor history of cigarette smoking. The Workgroup recommended adding data collection for marijuana use, vaping, and other inhalants.

PTLC

There was support for collecting pTLC data that would allow for calculation and display of pTLC in the OPTN Computer System. Members supported using the ERS formulas to calculate pTLC using age, height and gender, which are already collected. The ERS formulas were preferred as they omit race. The Workgroup began to consider the desired functions on the donor and candidate side. One lung transplant surgeon expressed interest in displaying the donor pTLC upon offer and allowing programs to determine the acceptable range for their candidate at that time.

Members reported that lung transplant surgeons employ various methods for size-matching lungs. Surgeons may use height, lung measurements, or volumetric measurement on CT scans or pTLC to determine size-matching. Therefore, this feature would improve efficiency for some programs but not all.

Smoking History

Currently, the OPTN Computer System captures whether a donor smoked more than 20 pack years. In previous discussions, members from lung transplant programs reported that this information is unhelpful in evaluating offers. To be more clinically valuable, lung transplant programs would need more detail on the number of pack years and whether the donor smoked in the last 12 months. Members considered capturing donor cigarette use in smaller categories by pack year. There was agreement that these groupings (in pack years) would be more useful than the current state: 5-10, 10-20, 20-30, 30-40 and greater than 40. Less than 5 pack years may not be clinically relevant and greater than 40 are unlikely to be accepted. A member reported that programs may be interested in broadly filtering offers based on smoking history in combination with other factors.

The Workgroup recommended adding data collection for marijuana use, vaping, and other inhalants. Though difficult to quantify, this information is clinically relevant for offer evaluation and would expand research on the impact of donor smoking history on post-transplant outcomes. There was some concern about how Organ Procurement Organizations (OPOs) would collect this data, as the donor risk assessment interview (DRAI) used by OPOs may not be as granular.

Next steps:

The Workgroup will continue to discuss these topics at their July 9th meeting.

2. Upcoming Meetings

- July 9, 2024, teleconference, 5PM ET

Attendance

- **Workgroup Members**
 - Marie Budev
 - Erika Lease
 - Dennis Lyu
 - Jackie Russe
 - Thomas Kaleekal
 - PJ Geraghty
 - Ernestina Melicoff
 - Julia Klesney-Tait
 - Greg Veenendaal
 - Ed Cantu
- **HRSA Representatives**
 - James Bowman
- **SRTR Staff**
 - David Schladt
- **UNOS Staff**
 - Kelley Poff
 - Kaitlin Swanner
 - Leah Nunez
 - Chelsea Hawkins
 - Holly Sobczak
 - Samantha Weiss
 - Houlder Hudgins