

Lung Transplant Program Update

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1

Program History

- Approved by UNOS in October 2015
- First lung transplant completed January 24, 2016
- Nearly 1000 referrals
- 213 transplant evaluations
- 73 transplants
(71 patients, 2 re-transplants)



2

Etiology of lung disease



Candidates for referral to a lung transplant center include:

- COPD/Alpha-1-antitrypsin deficiency
- Interstitial Lung Disease/pulmonary fibrosis
- Pulmonary hypertension
- Cystic fibrosis (CF)

3

Eligibility Guidelines



- Age >13
- Advanced structural lung disease or pulmonary vascular disease
- Severe functional limitation and objective measures
- Limited expected **survival** without transplant
- Symptoms that significantly impact **quality of life**

4

Contraindications



- Age
- Malignancy with high risk of progression or death
- Significant coronary artery disease or LV dysfunction
- Active infective- highly pathogenic, drug-resistant bugs
- Prohibitive chest anatomy- radiation, structural abnormality
- HIV with positive viral load in the last 12 months
- BMI >34 or malnutrition
- Active nicotine or drug use or unresolved alcohol abuse

5

Other Considerations



- Up to date on all CDC recommended, age-appropriate vaccinations
- Current on all recommended health care maintenance
- Social support/care partner
- Severe deconditioning and/or poor rehabilitation potential

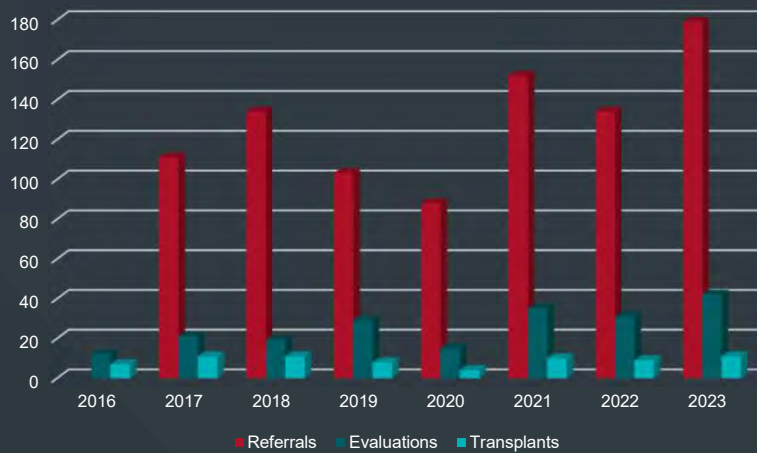
6

Preparing for Referral

- Imaging (Chest X-ray and CT)
- Pulmonary Function Testing
- 6-minute walk
- Enrollment in a Pulmonary Rehab program

7

Lung Transplant Program Volumes



8

Historic Program Outcomes



- 60.6% of all patients transplanted at NM since 2016 are still living
- 81 patients placed on the UNOS waiting list
 - 3 waitlist mortalities for program history
- 2 post-transplant mortalities within 30 days
- 11 post transplant mortalities within 1 year

Source: T. Cidlik, Data Analyst

9

Program highlights



Early adoption of DCD lungs

Early adoption of machine perfusion, involvement in a national trial

Early adoption of HCV positive donors

10

Lung transplant team



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11

Future directions

Goal to reach 20 lung transplants a year

Projected referrals for this would be 300/year

Grow the referral base

Increase the intake capacity

12

Contact



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Online referrals can be submitted at

<https://www.nebraskamed.com/transplant/lung>

13



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14