



**Royal Papworth Hospital**  
NHS Foundation Trust

# CT Assessment case study

RTC/Living donor co-ordinator induction  
30<sup>th</sup> September 2021

**Sadie Von Joel**  
Transplant co-ordinator, RPH



## 62 yr old Female IPF Timeline

- 21<sup>st</sup> December – Primary assessment
- 22<sup>nd</sup> March 2 day in patient assessment
- 23<sup>rd</sup> March discussed at MDT, decision to list
- 1<sup>st</sup> April Surgical review and RTC listing talk
- 6<sup>th</sup> April RTC 1<sup>st</sup> and 2<sup>nd</sup> check
- 7<sup>th</sup> April listed on routine list for B/L transplant, also suitable for left single lung
- 10<sup>th</sup> June OP review moved to National Urgent list
- 27<sup>th</sup> July transplanted Left single lung

# Heart/Lung Assessment Investigations

**Echocardiogram**

**Full blood screens**

Bone Densitometry

**Lung Function**

**Blood Group**

**Right Heart Catheter**

Sputum/**Urine Micro**

**CPEX – exercise testing**

Lung Perfusion scan

**6 min walk test**

MRI Diaphragm

**Dental, smear, mammogram updates**

## Assessment Results

- HT: 1.73 WT: 68.4kg BMI: 23
- 6MWT 563m, Sats 83% on 6L O<sub>2</sub>
- Perfusion scan RT: 63% LT: 37%
- Diaphragm screen normal
- Echo LV & RV normal size and function
- Coronary angiogram – no CAD
- Blood Group – O Pos, Virology – CMV Pos, HLA Negative
- Lung function FEV<sub>1</sub> 1.10 (40%) FVC 1.38 (39%) TLC 2.50 (pred TLC 5.63)

# Consent & Listing

## Surgical plan

- Bilateral Lung = 4.0 – 4.75L
- Left single lung = 4.0 – 5.0L
- Bilateral anterior thoracotomies off pump
- Surgical consent form

## Listing with RTC

- Tissue Bank
- Donor choices
- Contact details
- Calling in/false alarms
- Follow up
- Social media guidance/donor correspondence

# Transplant

- Donor offer 25<sup>th</sup> July @ 21:50
- Donor 150cm, WT 82kg BMI 36, 54yr old Female. TLC 4.11 CVA
- PO2 54 on 100%
- CMV Negative
- 22:20 B/L accepted
- KTS 26<sup>th</sup> July 04:38
- Concerns over Rt Lung – consolidation RLL
- Accept Lt single lung
- Donor X clamp 06:49
- Recipient clamp off 14:10
- Total ischemic time 441 mins