

A photograph of a medical team in an operating room. A male surgeon in the foreground is focused on a procedure, wearing a blue surgical cap and mask. A female surgeon in the background, also in blue scrubs and a mask, looks towards the camera. The operating room is equipped with bright overhead surgical lights. A large, abstract graphic of a 3D DNA helix is overlaid on the right side of the image, composed of a grid of blue, red, and white squares.

LEADING MEDICINE: A TOWN HALL CONVERSATION WITH DR. MARC BOOM

Town Hall Conversation XXXVI

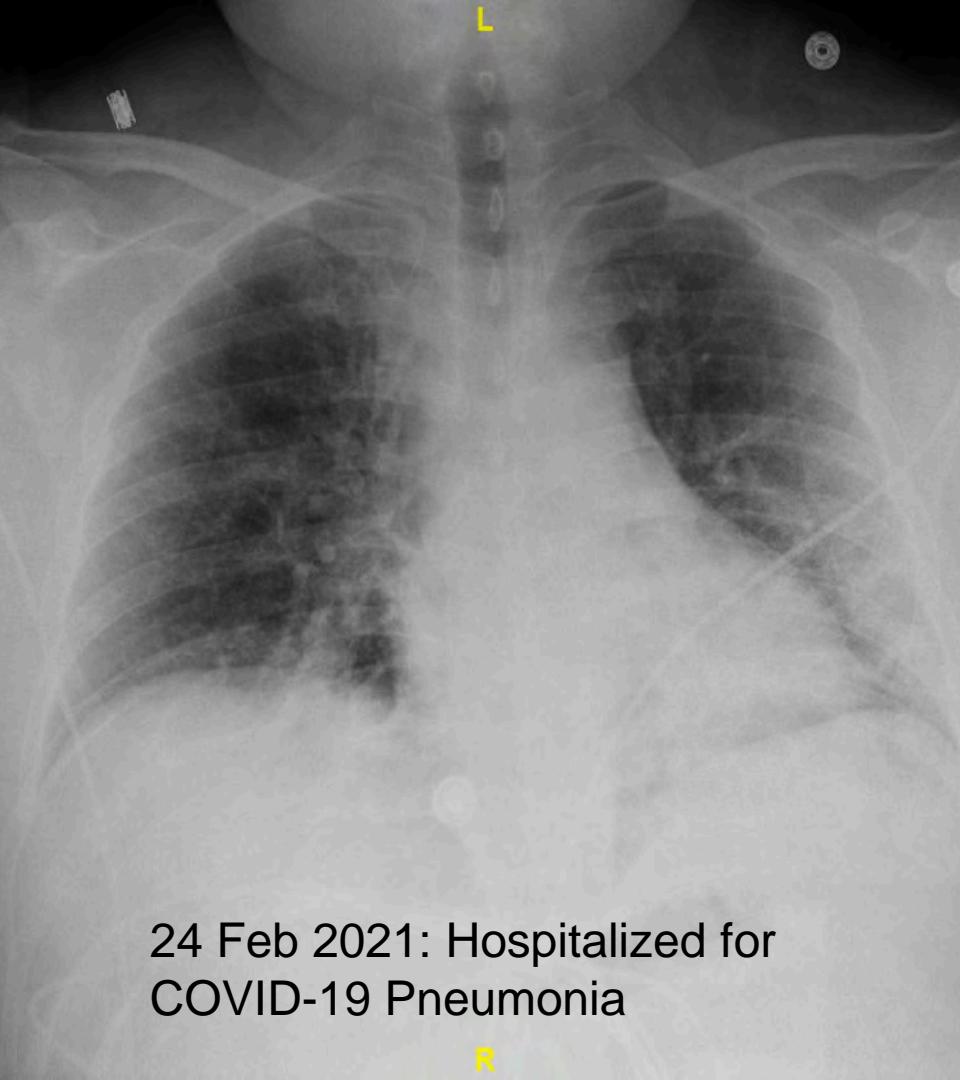
HOUSTON
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LEADING MEDICINE

Current State of Lung Transplantation

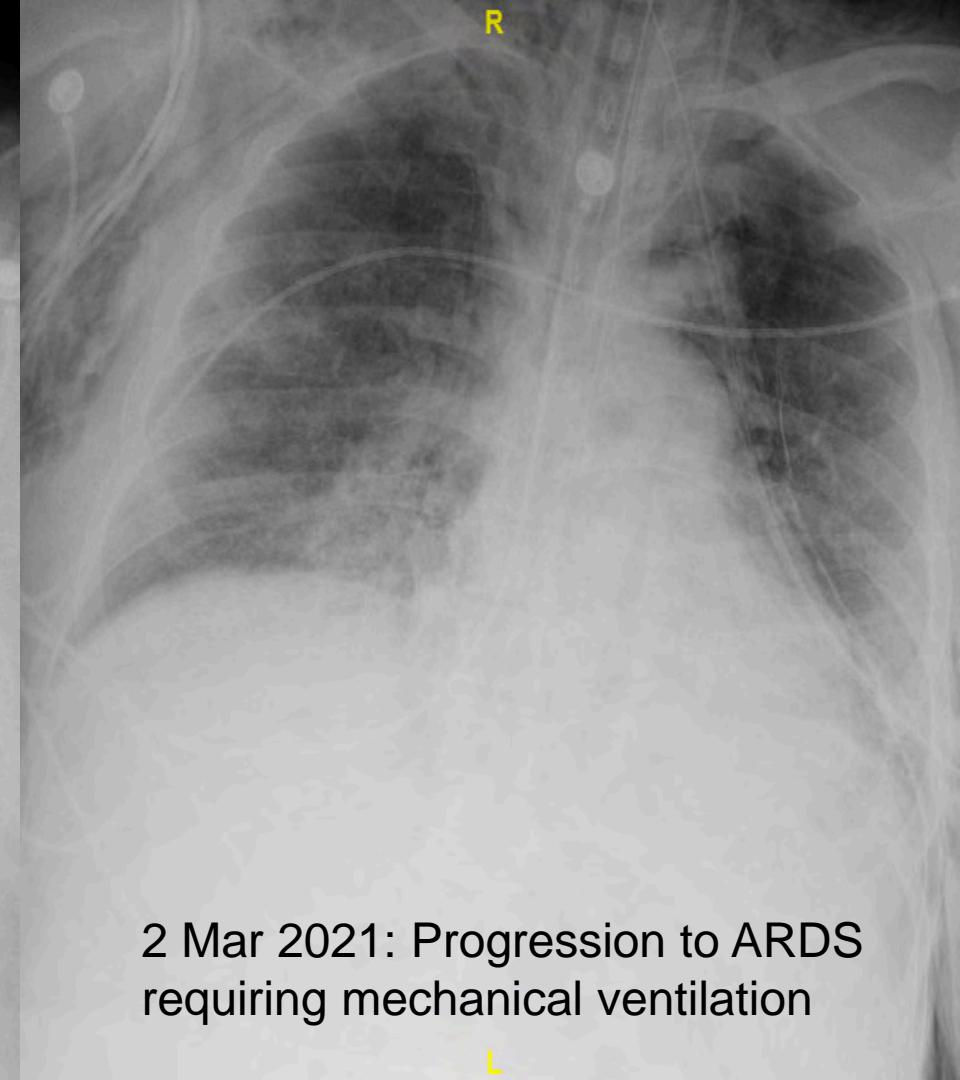
Howard J Huang MD

17 May 2023

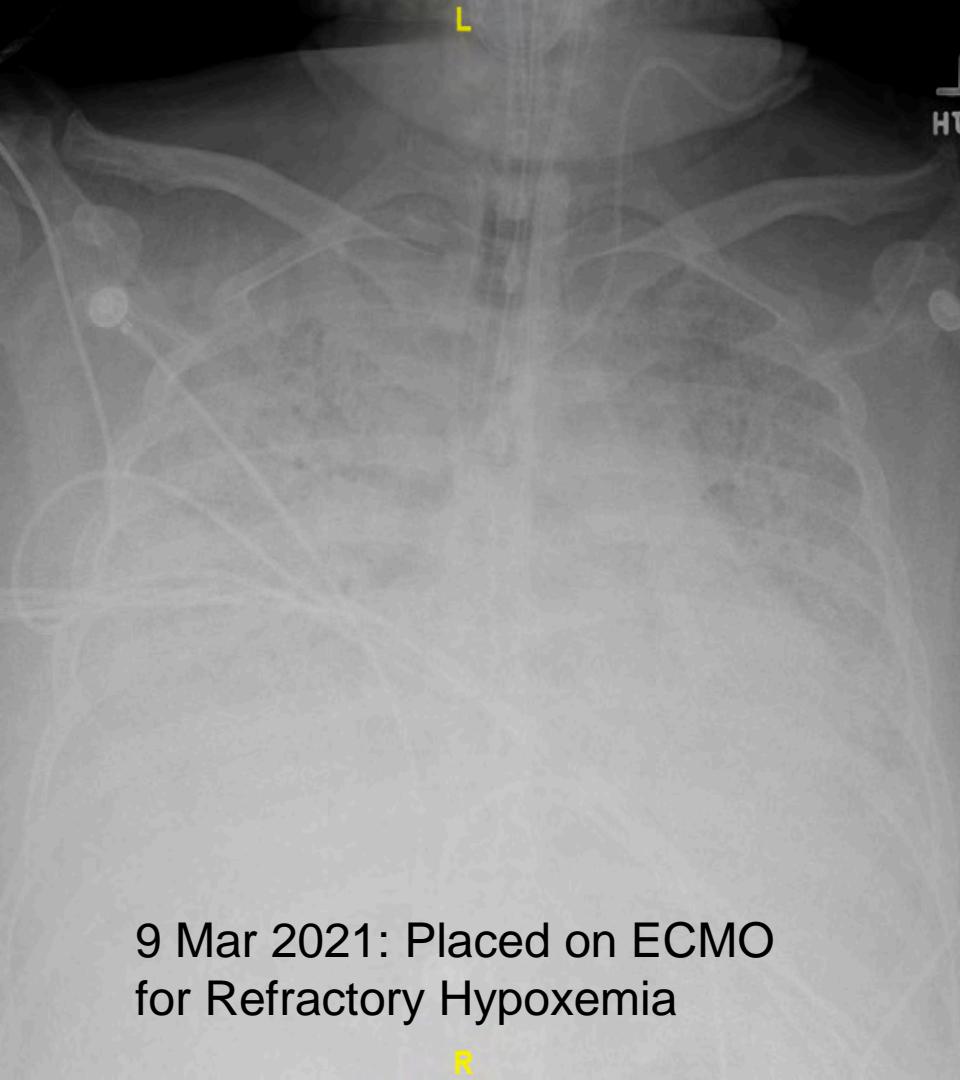




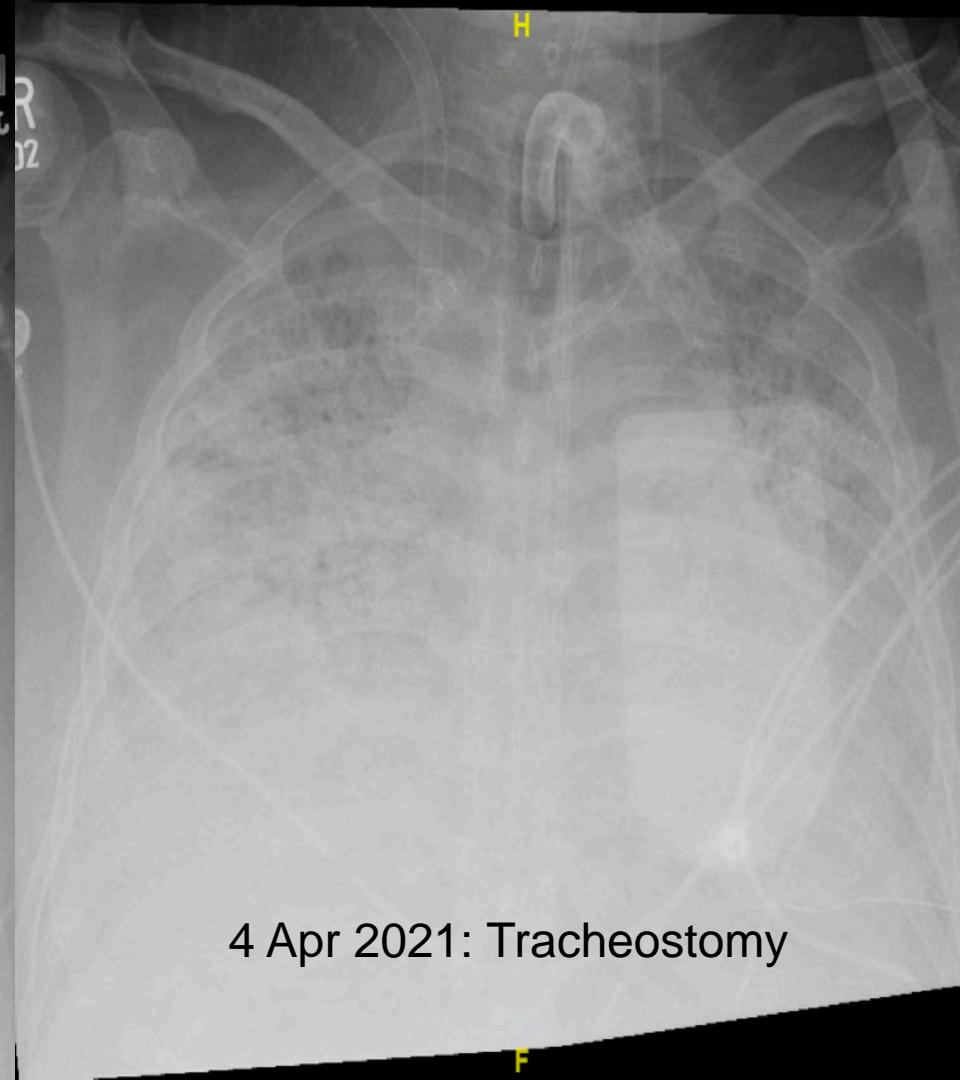
24 Feb 2021: Hospitalized for
COVID-19 Pneumonia



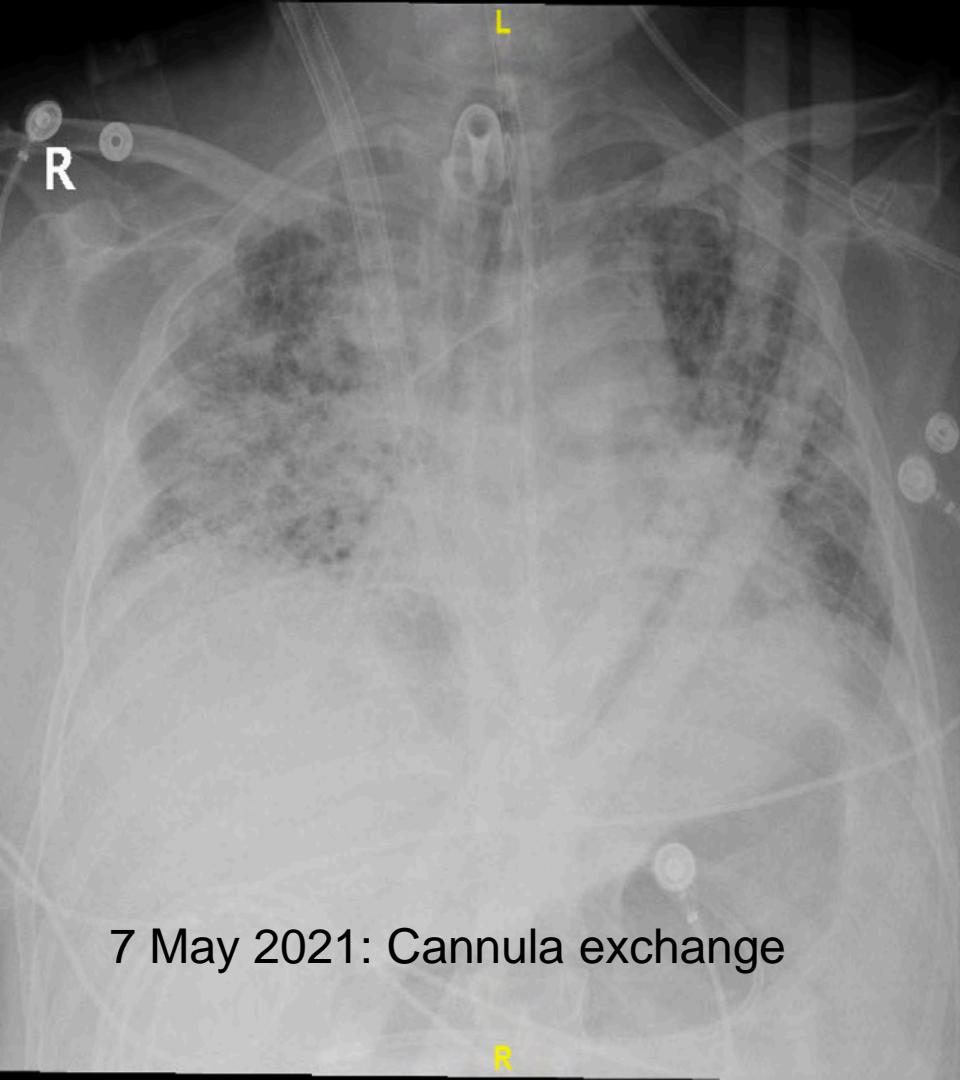
2 Mar 2021: Progression to ARDS
requiring mechanical ventilation



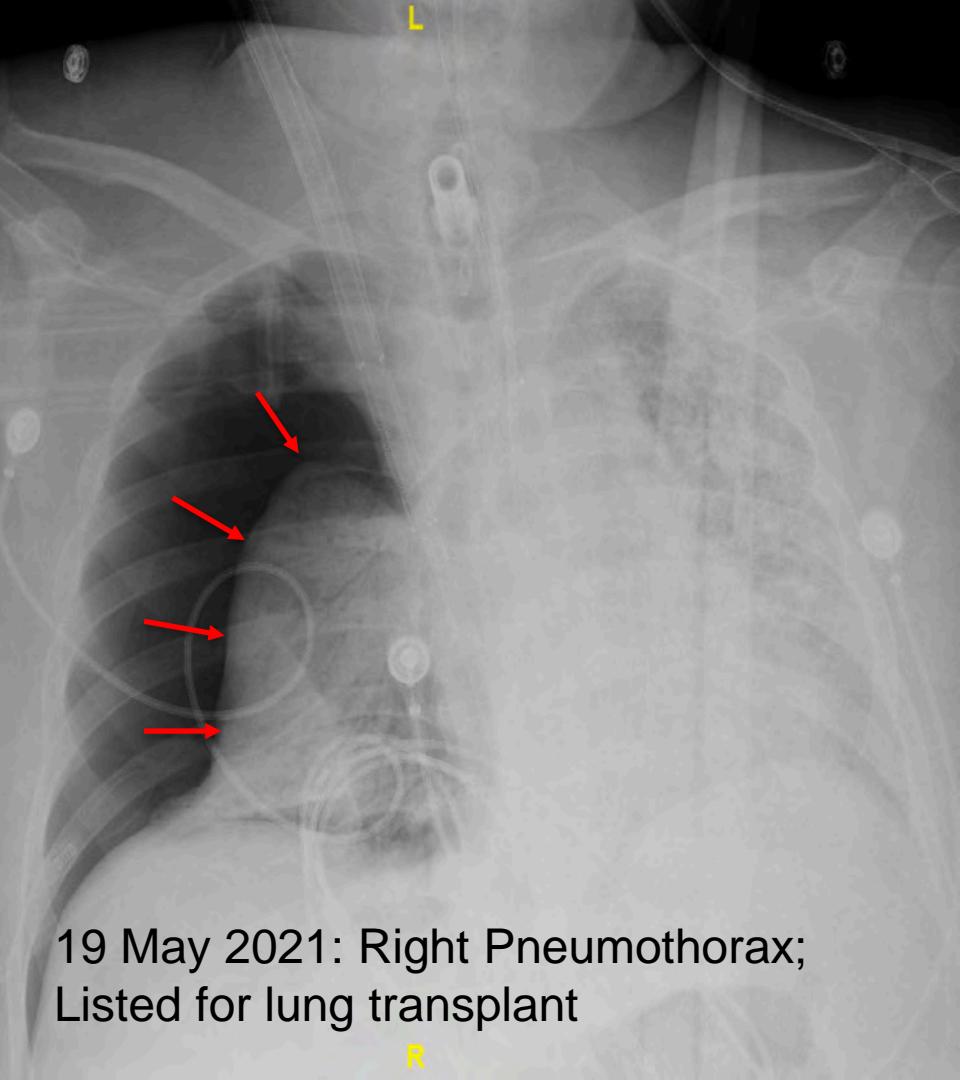
9 Mar 2021: Placed on ECMO
for Refractory Hypoxemia



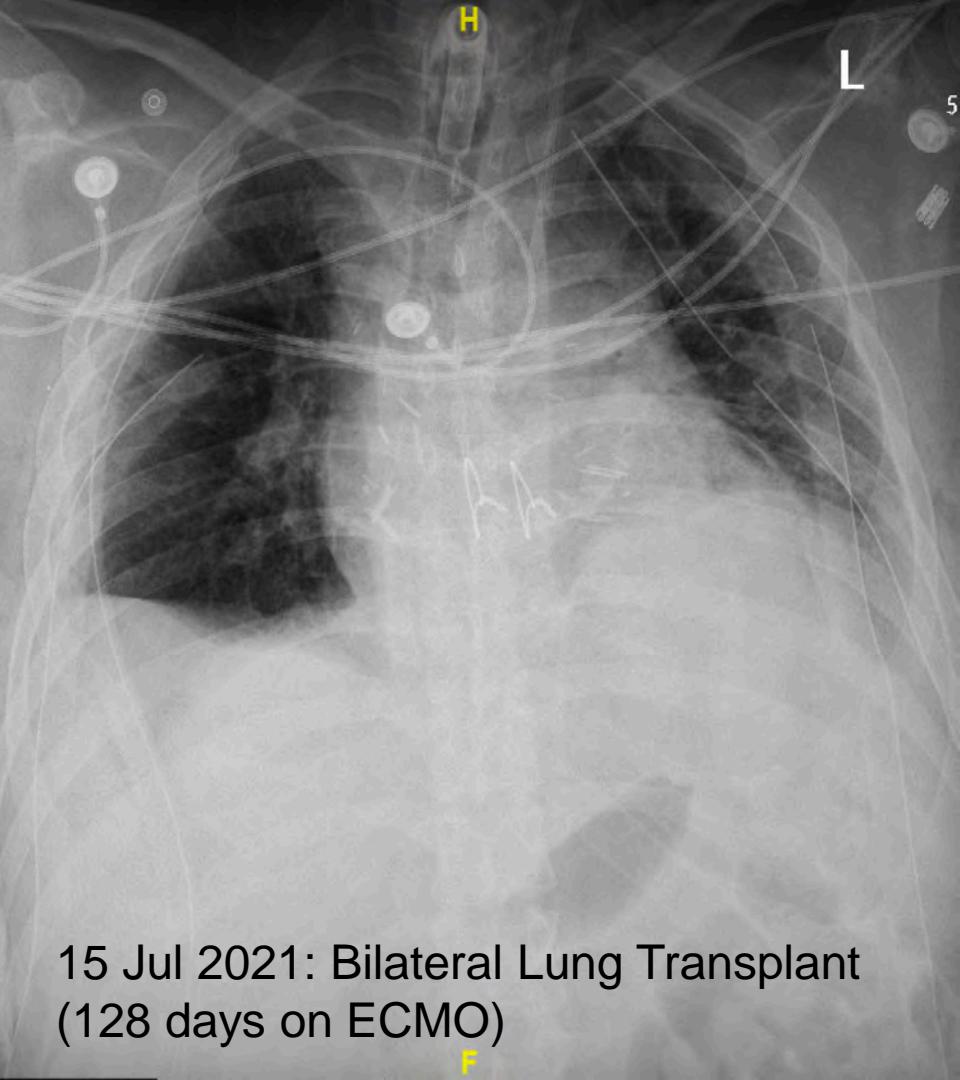
4 Apr 2021: Tracheostomy



7 May 2021: Cannula exchange



19 May 2021: Right Pneumothorax;
Listed for lung transplant



15 Jul 2021: Bilateral Lung Transplant
(128 days on ECMO)



2 Aug 2021: Hospital Discharge
(159 hospital days)

Historical Perspective

Special Contribution

This patient, satisfying stringent preset technical and moral criteria for the procedure, is believed to be the first recipient of a successful lung transplant. Although the patient died of renal failure on the 18th postoperative day, the lung was demonstrated to have functioned and immunologic rejection did not occur.

Lung Homotransplantation in Man

Report of the Initial Case

James D. Hardy, MD, Watts R. Webb, MD, Martin L. Dalton, Jr., MD, and George R. Walker, Jr., MD, Jackson, Miss

THE TECHNICAL FEASIBILITY of lung retransplantation and homotransplantation in animals was established by the work of previous investigators.^{1,2} It was found that occasionally a dog could survive temporarily on the function of the lung homotransplant alone, especially if the respiratory reflexes from the unexcised lung had been preserved. Preservation of these reflexes with exclusion of pulmonary function in this "normal" or contralateral lung was achieved by ligation of the pulmonary artery on this side. In addition to studies demonstrating that either a reimplanted lung or a

sible candidate was carefully evaluated but none was selected until almost a year later, when a patient who fulfilled the criteria which had been set for the initial lung recipient was admitted to the hospital. These criteria were: (1) the patient must have a probably fatal disease, so that in the event untoward results were encountered, his life would not have been materially shortened; (2) there must be a reasonable possibility that the patient would be benefited by the lung transplant; (3) the removal of the patient's own lung must not result in the sacrifice of any of his own functioning lung tissue; (4) transplantation of the left lung had been found to be somewhat simpler technically than transplantation of the right, and thus it was elected to initiate the clinical phase of the work by transplanting a left lung.

Clinical Evaluation of Case

A 58-year-old white man who was serving a prison sentence was admitted to the University Hospital on April 15, 1963, with the diagnosis of repeated attacks of pneumonia. He had had a productive cough and dyspnea for several months, having failed to respond satisfactorily to antibiotics administered in the prison infirmary. A heavy smoker, he had lost 26 lb (11.8 kg) since December, 1962, and recently the purulent sputum had contained streaks of blood.

After retransplantation and homotransplantation experiments involving more than 400 lungs in dogs,³⁻⁶ we believed cautious clinical application of the procedure to be justified. A large number of pos-

In addition to the pulmonary disease, which the accompanying chest x-ray revealed to have pro-



"...it has been established that lung transplantation is technically feasible and that the transplant supplies a considerable degree of respiratory activity until rejected..."

...not only acute and chronic respiratory insufficiency but also cor pulmonale could be improved by lung homotransplantation if immunologic rejection could be prevented. Thus the widespread clinical application of lung homotransplantation must await improved means of suppressing the homograft reaction."

James D. Hardy, M.D.

From the Department of Surgery and University Hospital, University of Mississippi Medical Center.

A Review of 23 Human Lung Transplantations by 20 Surgeons

Charles R. H. Wildevuur, M.D., and John R. Benfield, M.D.

Human lung transplantation lags behind other organ transplantation in the number of patients and the degree of success. Since the first effort by Hardy [9] in 1963, only 22 additional efforts have been made in the intervening six years by 20 surgeons, and it is clear that no one has accumulated extensive experience with the problems peculiar to transplantation of the lung. In preparation for clinical lung transplantation in our institutions, and in an effort to serve others interested in this field, information available from the work of others has been accumulated.

The need for and desirability of an article of this type was probed through personal communication with several colleagues whose patients are included in this summary and with other investigators in the field who have not yet made clinical trials. Each surgeon who had performed a lung transplant was written a letter indicating our intention and requesting his cooperation. It was stressed that this publication is not intended as a replacement for any communication planned or contem-

From the Departments of Surgery, University of Groningen, Netherlands, and the University of California at Los Angeles, Los Angeles, and Harbor General Hospital, Torrance, Calif.

Presented at the Sixth Annual Meeting of The Society of Thoracic Surgeons, Atlanta, Ga., Jan. 12-14, 1970.

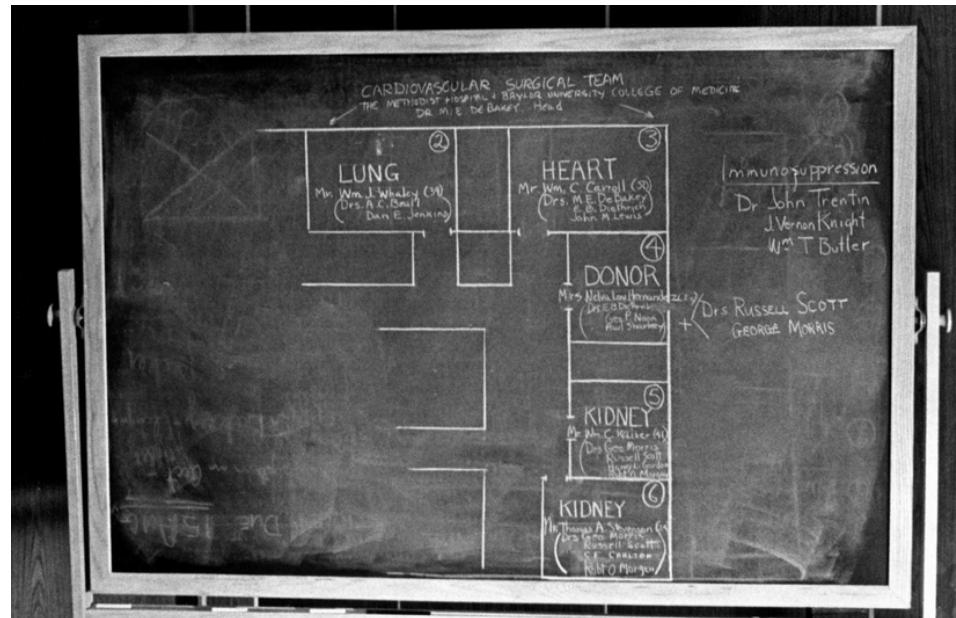
We wish to acknowledge gratefully the excellent cooperation given us by our colleagues in providing the data for this publication.

Address reprint requests either to Dr. Benfield, Harbor General Hospital, Torrance, Calif. 90509, or to Dr. Wildevuur, Oostersingel 59, Groningen, Netherlands.

The world's known lung transplant efforts, as well as the current address of each surgeon and reference to his work, are listed chronologically in Table 1...

Twenty-three human lung transplants have been done by 20 surgeons in North America, Europe, and Asia. Seventeen surgeons have each performed one lung transplant, and none has done more than two pulmonary transplants.

...the most successful effort to date was Derom's patient in Belgium, who survived more than 10 months. In all other cases the patients lived less than one month.



"Five surgical teams, composed of Methodist Hospital and Baylor University College of Medicine personnel, worked for 3 1/2 hours to achieve the multiple transplants.

It was the first heart transplant for DeBakey and the first for Methodist Hospital.

The lung transplant was the world's sixth and the first in Houston."

Biological Effects of Cyclosporin A: A New Antilymphocytic Agent

by J. F. BOREL, CAMILLE FEURER, H. U. GUBLER¹⁾ and H. STÄHELIN
Biological and Medical Research Division Sandoz Ltd, CH-4002 Basle, Switzerland

Abstract

The fungus metabolite cyclosporin A is a small peptide acting as a novel antilymphocytic agent. It strongly depressed appearance of both direct and indirect plaque-forming cells and produced a clear dose-dependent inhibition of haemagglutinin formation in mice upon oral administration. Skin graft rejection in mice and graft-versus-host disease in mice and rats were considerably delayed by cyclosporin A which also prevented the occurrence of paralysis in rats with experimental allergic encephalomyelitis. This compound was not only highly effective in preventing development of Freund's adjuvant arthritis, but in addition improved the symptoms in rats with established arthritis, although it is inactive in acute inflammation. This new agent contrasts with other immunosuppressive and cytotoxic drugs in its weak myelotoxicity. Experimental evidence suggests that cyclosporin A, rather than being cytotoxic or myelotoxic, affects an early stage of mitogenic triggering of the immunocompetent lymphoid cell.

Introduction

In a screening program of fungus extracts, metabolites of the species *Cylindrocarpon lucidum* Booth were found to depress antibody production in mice. Further investigations led to the isolation of the active principle, a cyclic peptide consisting of 11 amino acids with a molecular weight of 1202.6 [1], to which the name cyclosporin A and experimental designation OL 27-400 were given. The compound, which is also found in cultures of *Trichoderma polyporum* (Link ex Pers.) Rifai, is a novel antilymphocytic agent. It was soon recognized that cyclosporin A differs from known immunosuppressive drugs in its mechanism of action and its low degree of myelotoxicity. It was, therefore, tested extensively for its effects on humoral and cellular immunity, on inflammatory conditions and for other pharmacological

actions. Some of these results are presented here.

Materials and methods

As cyclosporin A is not water soluble, it was routinely administered as a suspension in a 0.5% solution of tragacanth. Azathioprine (Burroughs Wellcome, London) was also suspended in tragacanth, while cyclophosphamide (Asta-Werke, Brackwede) was dissolved in water. Control animals always received the solvent. The treatment schedules are indicated in the legends of each figure or table.

Mice of both sexes were usually 8–12 weeks old and female rats about 8–10 weeks; the animal strains used in the different experiments are indicated either in the method description or in the respective legend.

The assay of localized haemolysis in gel (LHG), used to detect both direct and indirect plaque-forming cells (PFC), was described previously [2]. The same developing serum as indicated in the above reference was used for detection of the IgG_{2a} PFC.

For the haemagglutination test, serum was obtained from mice immunized intravenously with 0.2 ml of a 10% suspension of washed sheep erythrocytes. Serum agglutinin titres were determined for each individual animal with Takatsy's microtechnique [3] by serial twofold dilutions. The titres are expressed as $-\log_2$.

Fitted pinch grafts of skin from male DBA/2 donors were transplanted to male BALB/c recipients according to the method of BILLINGHAM and MEDAWAR [4]. Graft survival time was determined by daily observation, the criterion for rejection being epithelial survival.

The method of OWENS and SANTOS [5] was used for the graft-versus-host (GvH) disease in mice. BDF1 female mice were treated with a sublethal dose of cyclophosphamide and reconstituted with spleen cells from male BALB/c mice. The animals were observed for 7 weeks and mortality recorded. The experimental procedure for GvH in rats was very similar. LBNF1 (Lewis \times Brown Norway) female rats were treated with a sublethal dose of cyclophosphamide

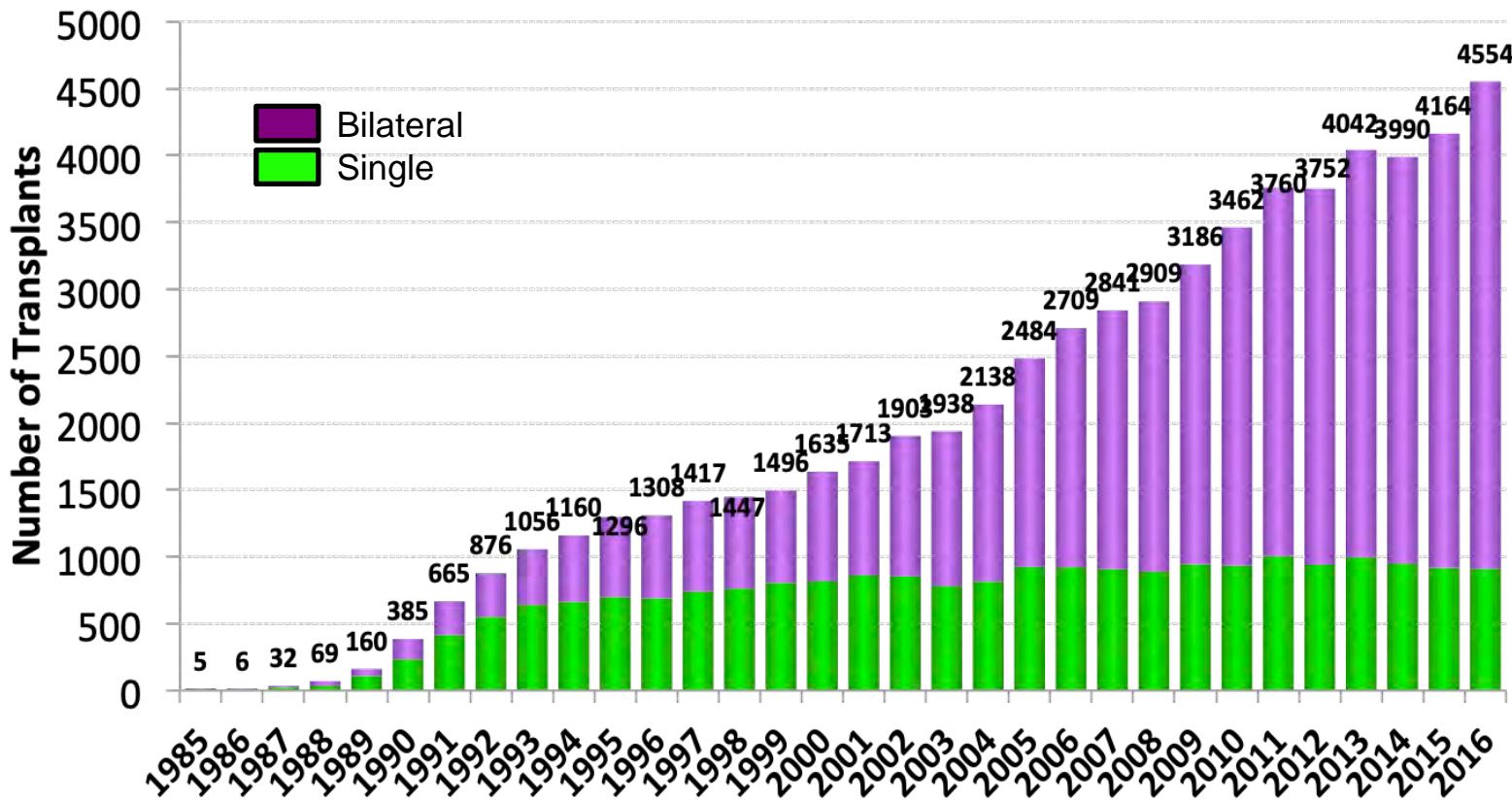


Hardangervidda National Park, Norway

- 1969 Soil sample collected by Sandoz scientist Hans Peter Frey while vacationing in Norway
- 1972 Cyclosporine A (OL 27-400) isolated from *Tolypocladium inflatum* metabolite
- 1972 Antilymphocytic properties first described
- 1978 Cyclosporine enters clinical trials
- 1981 First successful heart-lung transplant (Stanford)
- 1983 Sandimmune receives FDA approval
- 1983 First successful single lung transplant (Toronto)
- 1986 First successful bilateral lung transplant (Toronto)

¹⁾ Research Institute, Wander, Bern, a Sandoz Research Unit.

Worldwide Transplant Volume



Houston Methodist J.C. Walter Jr. Transplant Center has performed its 10,000th organ transplant. For 60 years, we have proudly served our community through lifesaving innovations in organ transplant, and we are honored to continue building on our legacy as a world leader.

1,226

HEART
TRANSPLANTS

1,559

LUNG
TRANSPLANTS

69

HEART-LUNG
TRANSPLANTS

2,262

LIVER
TRANSPLANTS

4,512

KIDNEY
TRANSPLANTS

285

KIDNEY-PANCREAS
TRANSPLANTS

86

PANCREAS & ISLET
TRANSPLANTS

1

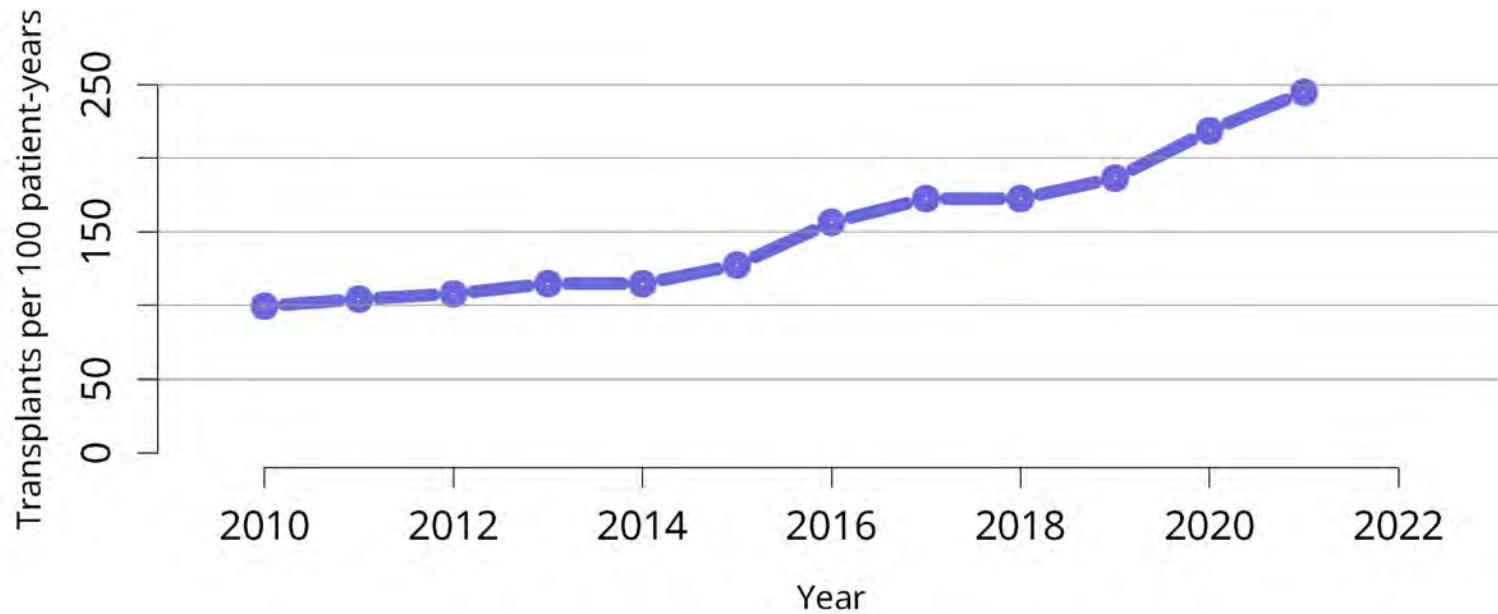
VCA TRANSPLANT
(VASCULARIZED COMPOSITE
ALLOGRAFT)



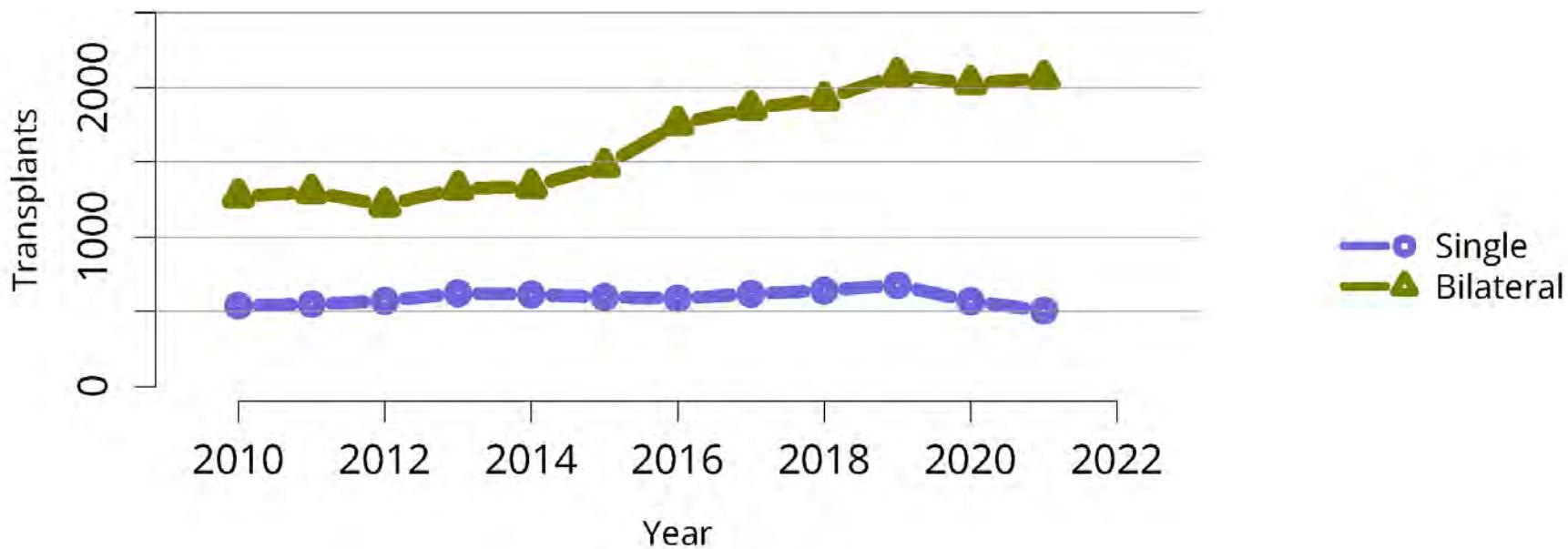
Learn More:
houstonmethodist.org/transplant

Current Trends

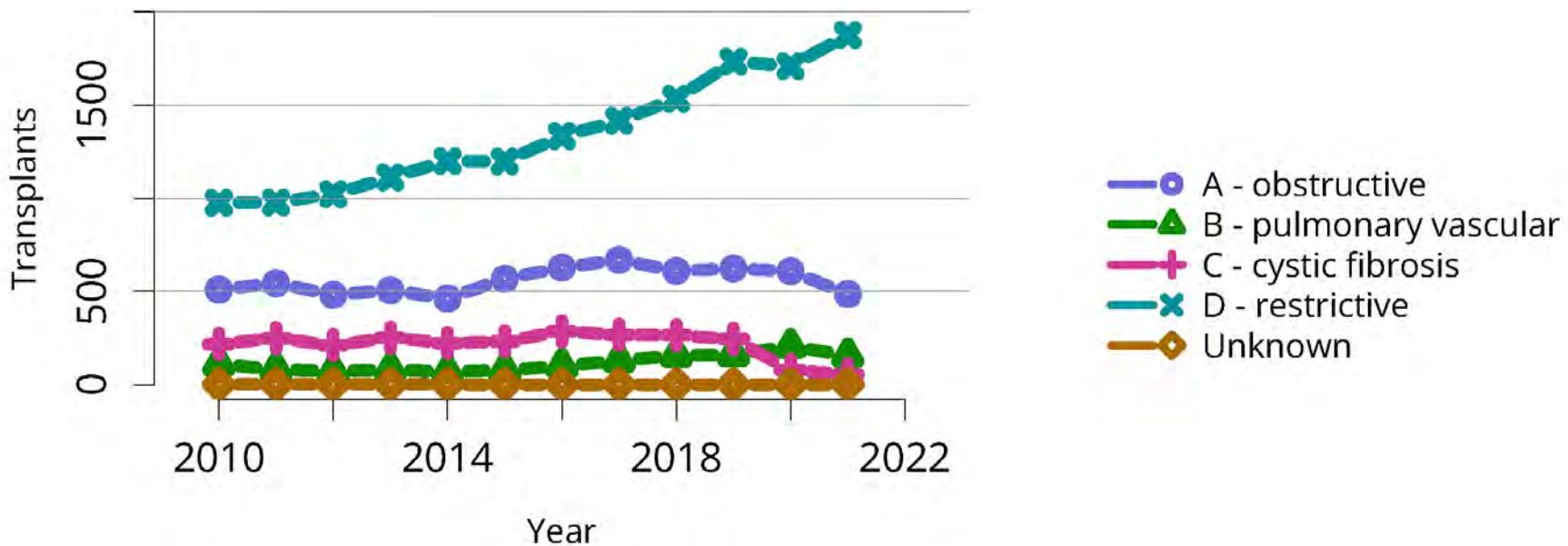
Lung Transplant Rate



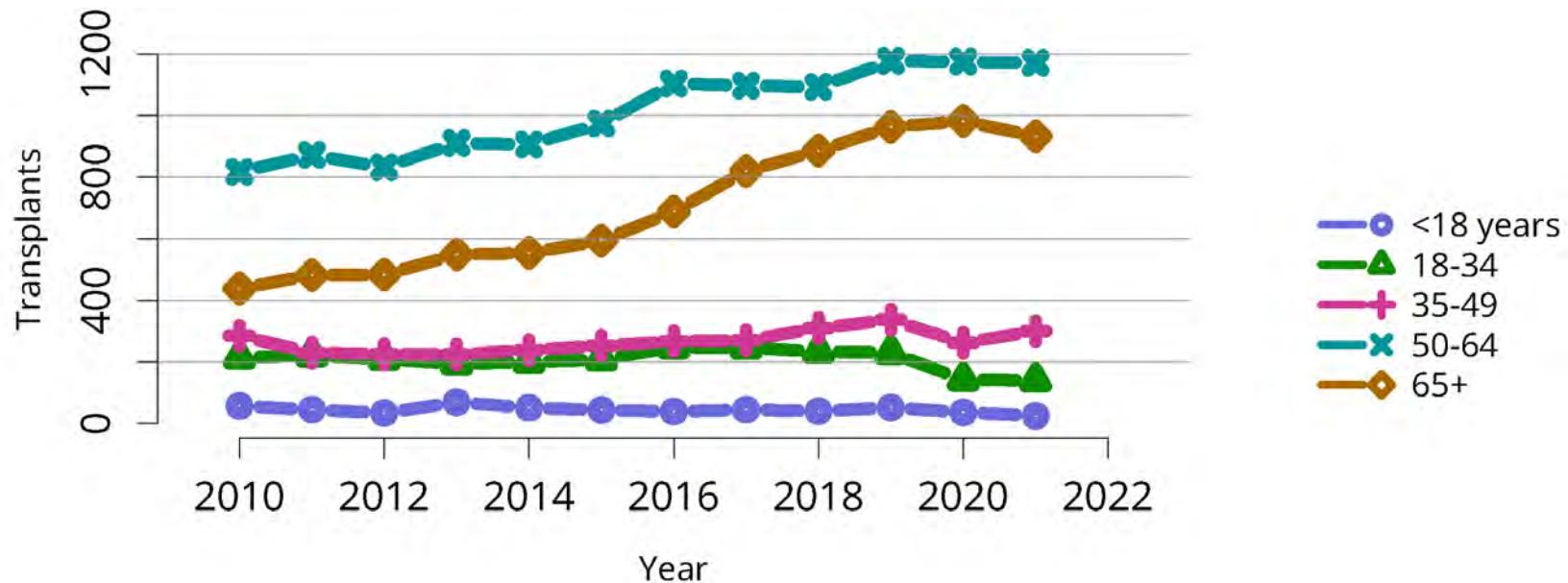
Transplant Procedure Type



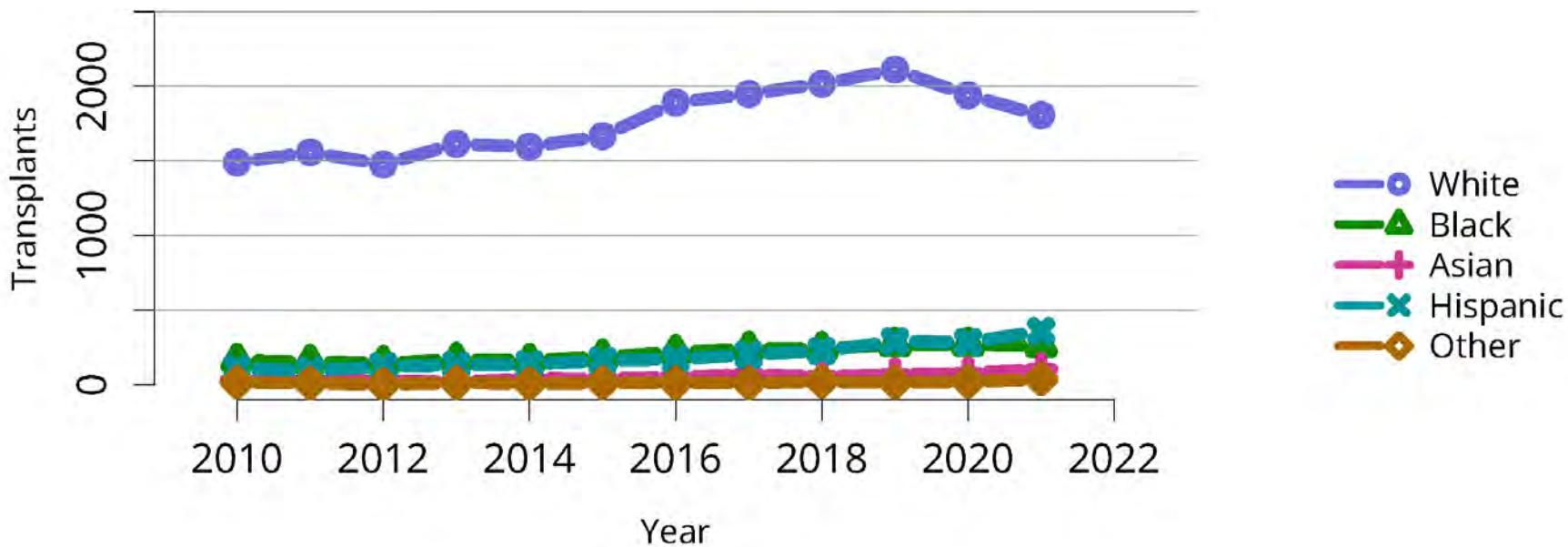
Transplants by Diagnosis



Transplants by Age



Transplants by Race



Candidate Selection

Relative Contraindications

- Physiologic age matters more than chronologic age
- Mechanical ventilation / ECMO
- Previous chest surgery – pleurodesis, lobectomy, CABG
- Colonization with highly resistant organism
- Hepatitis, HIV infection
- Marginal renal function
- Poor nutritional status
- Significant esophageal dysmotility, achalasia, gastroparesis
- Severe osteoporosis or joint disease, pathologic fractures

Strong Contraindications

- Malignancy** (generally within 5 years)
- Multiple major organ dysfunction
- Acute infection or sepsis
- Coronary artery disease not amenable to revascularization
- Uncorrectable bleeding diathesis
- Morbid obesity
- Frailty with poor rehabilitation potential
- Lack of social or financial support
- Inability to cooperate with medical care, noncompliance

- Reason for denial is frequently multi-factorial
- Sometimes non-medical factors drive decision
- Most contraindications are relative
- Selection criteria varies between centers based on experience, volume and risk tolerance
- The envelope is expanding
- **Early referral allows time to address modifiable issues**

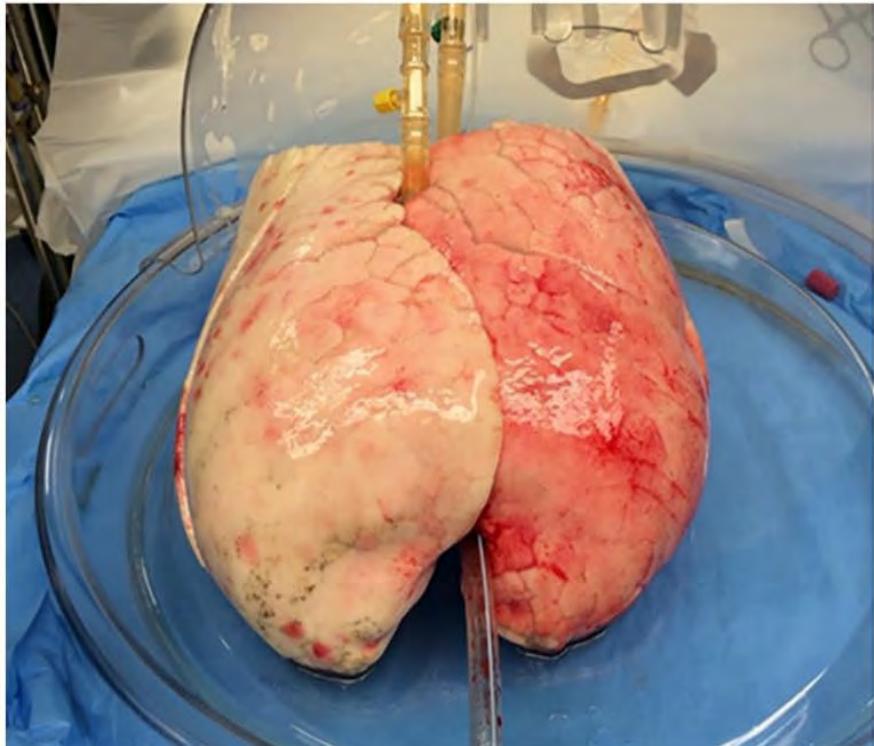
Lung Preservation



PLEASE SPEAK UP WITH QUESTIONS AND CONCERNs
Purposeful Pause = EVERYONE PAUSES in the Q&A



Ex-Vivo Lung Perfusion (EVLP)

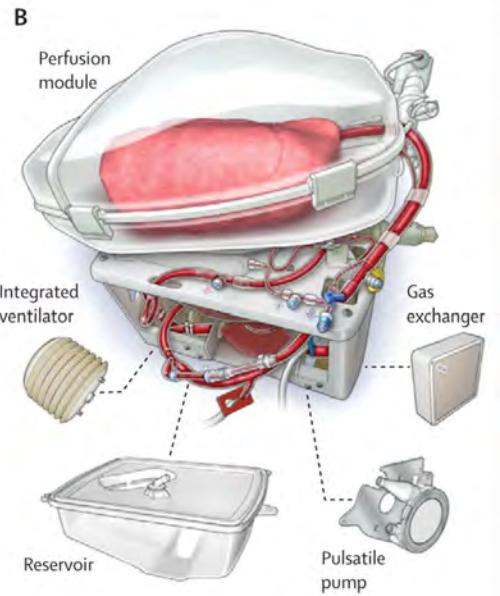


(a)



(b)

Current EVLP Systems



Next Generation EVLP System



ORIGINAL ARTICLE

Extension of Cold Static Donor Lung Preservation at 10°C

Aadil Ali, Ph.D.,¹ Konrad Hoetzenrecker, M.D.,² José Luis Campo-Cañaveral de la Cruz, M.D.,³ Stefan Schwarz, M.D.,² Mariana Gil Barturen, M.D.,¹ George Tomlinson, Ph.D.,⁴ Jonathan Yeung, M.D.,¹ Laura Donahoe, M.D.,¹ Kazuhiro Yasufuku, M.D.,¹ Andrew Pierre, M.D.,¹ Marc de Perrot, M.D.,¹ Thomas K. Waddell, M.D.,¹ Shaf Keshavjee, M.D.,¹ and Marcelo Cypel, M.D.¹

Abstract

BACKGROUND Lung transplantation is performed on a 24/7 schedule to minimize organ ischemic time. Recent preclinical studies demonstrated superior graft preservation at 10°C compared with storage in an ice cooler (gold standard).

METHODS In this prospective, multicenter, nonrandomized clinical trial, we studied transplants from donors with overnight cross-clamp times (6:00 p.m. to 4:00 a.m.) that had an earliest allowed starting time of 6:00 a.m. Lungs meeting criteria for transplantation were retrieved, transported, and immediately transferred to a 10°C temperature-controlled incubator until implantation; 70 patients and 140 matched controls were included in this study.

RESULTS Total preservation times for lungs in the study group were 12 hours, 28 minutes (interquartile range, 10 hours, 14 minutes to 14 hours, 12 minutes) and 14 hours, 9 minutes (interquartile range, 12 hours, 3 minutes to 15 hours, 45 minutes) for the first and second lung implanted, respectively. Primary graft dysfunction grade 3 at 72 hours (primary outcome) was 5.7% in the study group versus 9.3% in matched controls (difference, -3.6; 95% confidence interval [CI], -10.5 to 5.3). No meaningful differences were observed in the need for postoperative extracorporeal membrane oxygenation (5.7 vs. 9.3%), median intensive care unit stay (5 vs. 5 days), or median hospital stay (25 vs. 30 days) between the two groups. One-year Kaplan-Meier survival was similar between the two groups (94 vs. 87%; hazard ratio, 0.65; 95% CI, 0.26 to 1.6).

CONCLUSIONS Extension of cold static preservation times at 10°C appears to be safe and has the potential to improve transplantation logistics and performance. (Funded by the UHN Foundation; Clinicaltrials.gov number, [NCT04616365](https://clinicaltrials.gov/ct2/show/NCT04616365).)

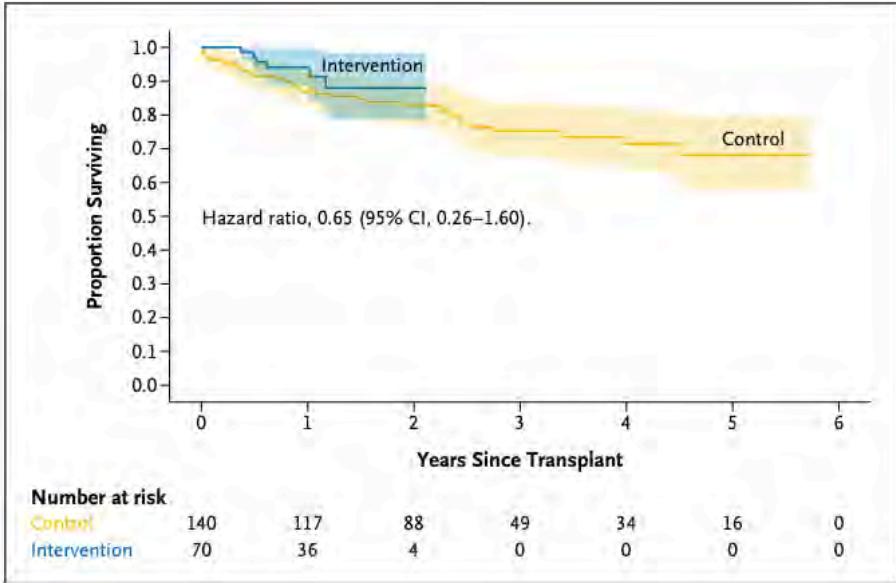
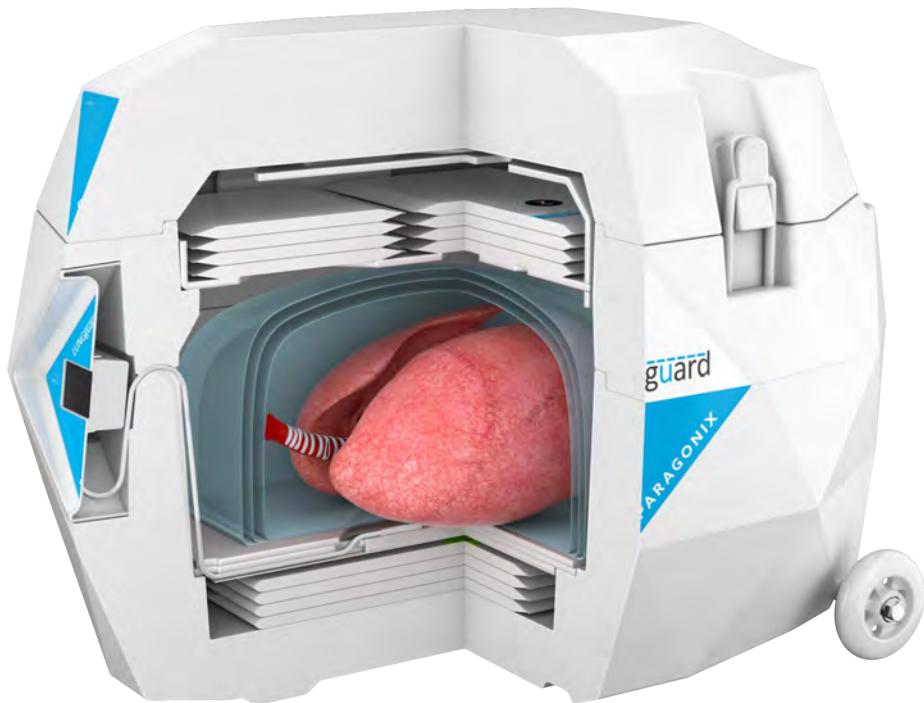


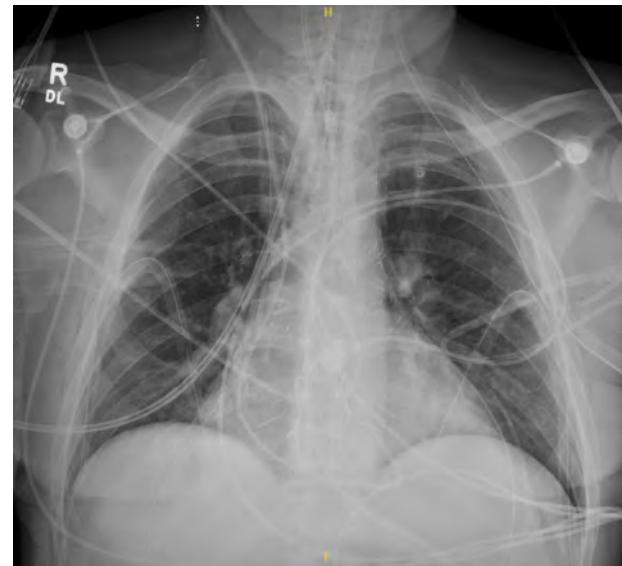
Table 3. Posttransplant Outcomes.*

Outcome	Study Cohort (n=70)	Matched Controls (n=140)	Difference (95% CI)
Incidence of PGD3 at 72 h — n (%)	4 (5.7)	13 (9.3)	-3.6 (-10.5 to 5.3)
Recipient vent time — h, median (IQR)	49 (29–82)	52 (27–89)	-3 (-15 to 7)
ICU LOS — d, median (IQR)	5 (3–9)	5 (3–12)	0 (-2 to 1)
Hospital LOS — d, median (IQR)	25 (20–40)	30 (20–54)	-5 (-8 to 2)
Post-LTx ECMO used — n (%)	5 (7.1)	13 (9.3)	-2.1 (-9.3 to 7.2)
30-d survival — n (%)	70 (100)	135 (96.4)	3.6 (-2.0 to 8.1)

* CI denotes confidence interval; ECMO, extracorporeal membrane oxygenation; ICU, intensive care unit; IQR, interquartile range; LOS, length of stay; LTx, lung transplantation; PGD3, International Society for Heart and Lung Transplantation primary graft dysfunction grade 3; and vent, ventilation.

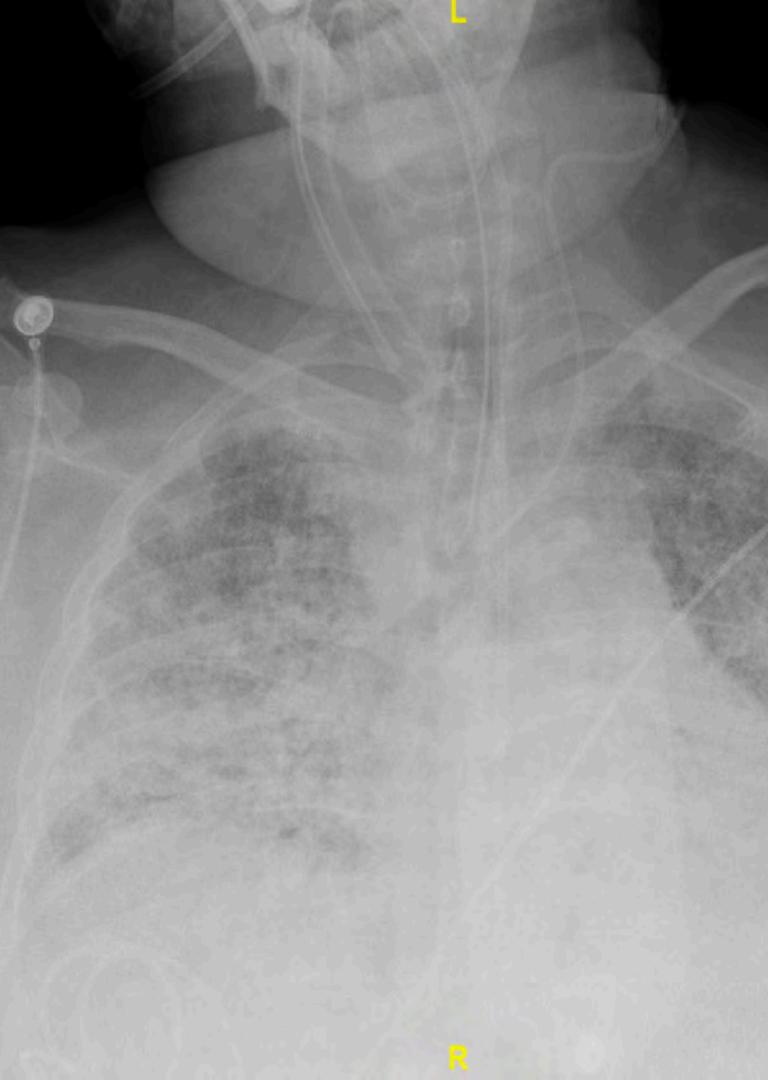


Temperatures



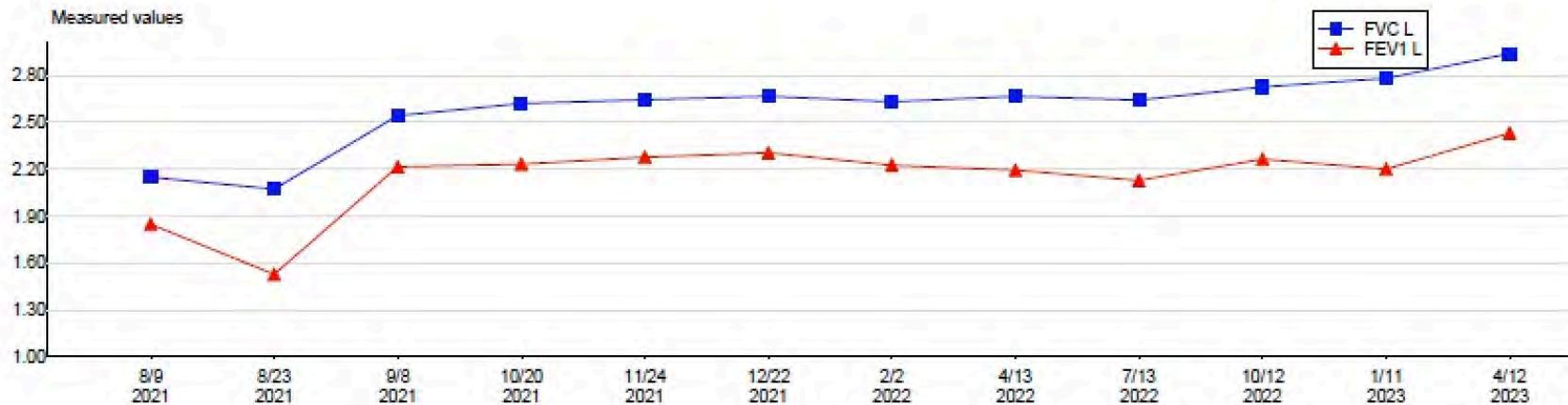
- Obliterative bronchiolitis and pulmonary hypertension
- Heart transplant previous evening finishing after midnight
- Bilateral lung transplant off cardiopulmonary bypass, extubated post-operative day 2
- **Total Ischemic time 723 minutes**











LifeGift Update

– FEEL GOOD FRIDAYS –

Every Friday, LifeGift shares a "lift your spirits" email with our hospital & transplant center partners. We know you're navigating challenging circumstances and we care about you!



Rogelio Avila
Double Lung Recipient
Houston, Texas

“

A young teenager lost her life and thanks to her selfless decision to donate, I'm able to breathe again.”

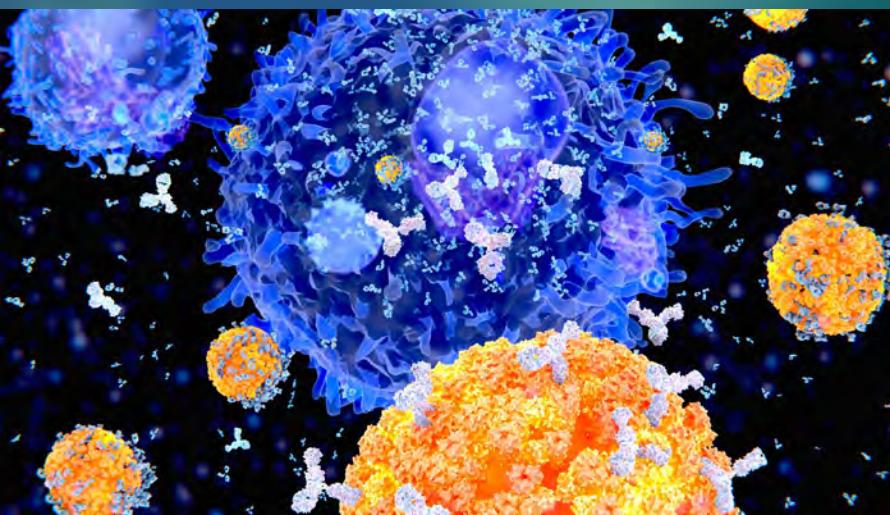
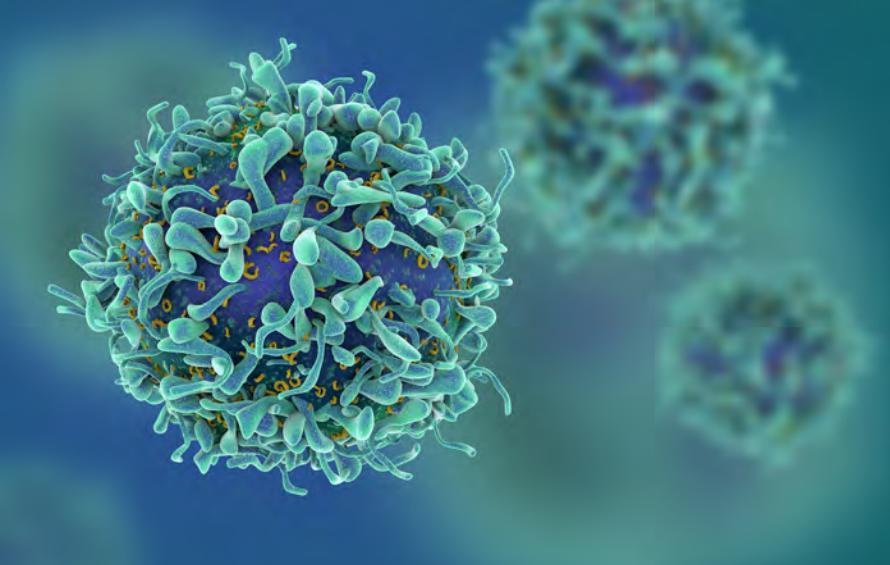
Double Lung Transplant Recipient Grateful to Attend Houston Astros' Victory Parade

During Rogelio Avila's hospitalization in 2021, he received a special message from Houston Astros' Jose Altuve. More than a year later, Avila, a double lung transplant survivor, was grateful to be a part of the crowd cheering the Astros' World Series victory at the parade.



An exchange, not a cure

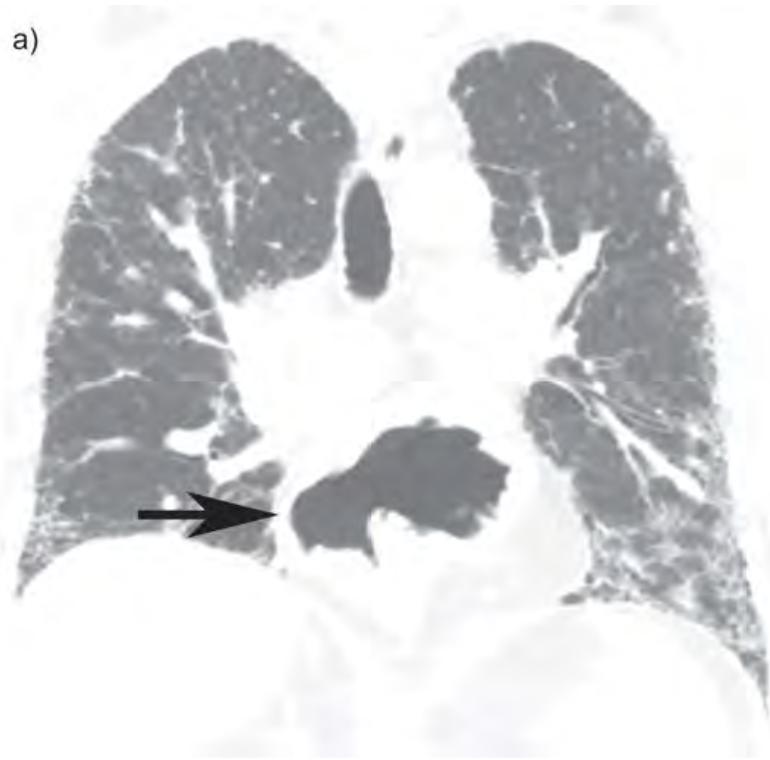




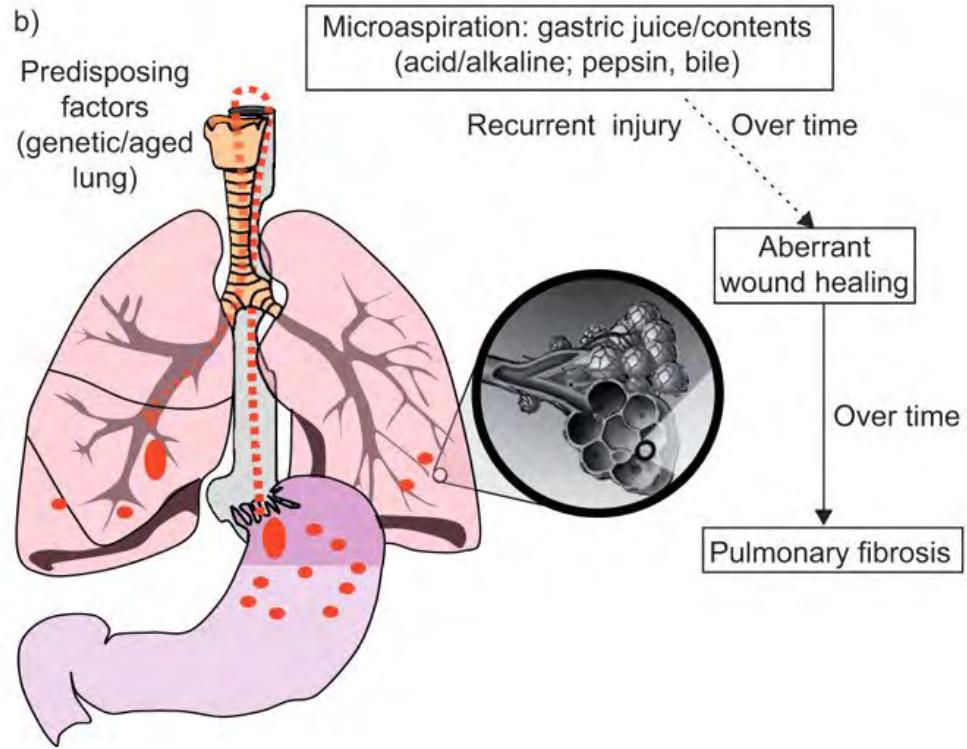




a)

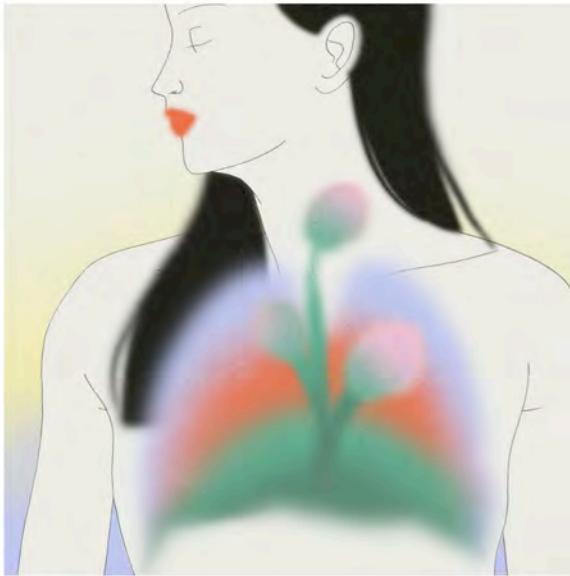


b)



My Transplanted Heart and I Will Die Soon

April 18, 2023



By Marine Buffard

Give this article

By Amy Silverstein

Ms. Silverstein is the author of "Sick Girl" and "My Glory Was I Had Such Friends."

“Over the last almost four decades a toxic triad of immunosuppressive medicines — calcineurin inhibitors, antimetabolites, steroids — has remained essentially the same with limited exceptions. These transplant drugs (which must be taken once or twice daily for life, since rejection is an ongoing risk and the immune system will always regard a donor organ as a foreign invader) cause secondary diseases and dangerous conditions, including diabetes, uncontrollable high blood pressure, kidney damage and failure, serious infections and cancers. The negative impact on recipients is not offset by effectiveness: the current transplant medicine regimen does not work well over time to protect donor organs from immune attack and destruction.

My first donor heart died of transplant medicines' inadequate protection of the donor heart from rejection; my second will die most likely from their stymied immune effects that give free rein to cancer.”



Current State

- Lung transplantation is a life-saving therapy in select candidates with advanced lung disease unresponsive to medical therapy
- Advances in candidate selection and pre-operative medical management enable rescue of gravely ill candidates
- New ex-vivo perfusion platforms and organ preservation technologies enable increased donor lung utilization

Challenges

- Demand for transplants exceeds supply of transplantable lungs from deceased donors
- Access to transplant is not equitable
- Low utilization and placement efficiency
- Median survival 6.5 to 7 years after transplant
- Chronic rejection remains the greatest barrier to long-term survival. Nearly 50% incidence at 5 years.
- Current immunosuppressive drugs associated with infection, cancer, cardiovascular, renal and metabolic disease

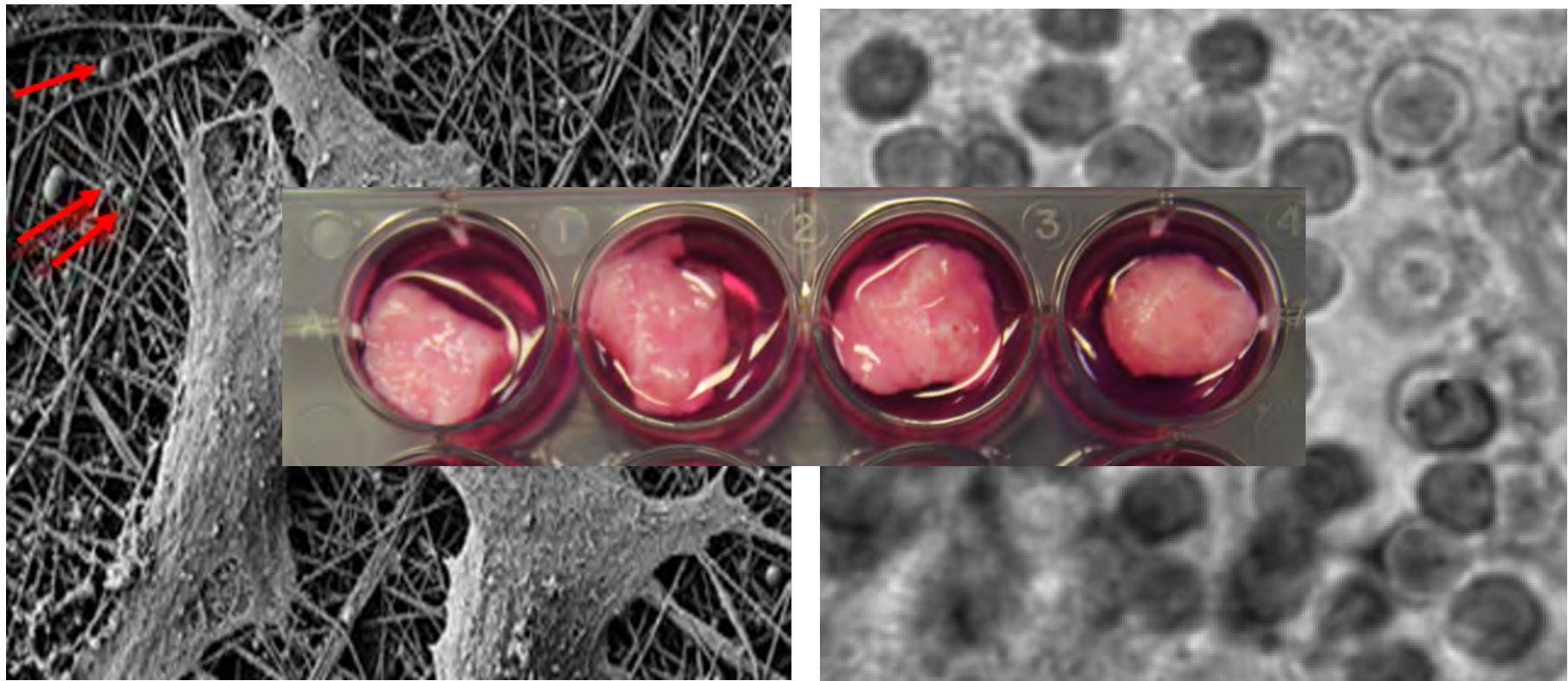
The Future of Transplantation: Production of Bioengineered Tissues

Joan E. Nichols MA, PhD

Director, HM Center for Tissue Engineering



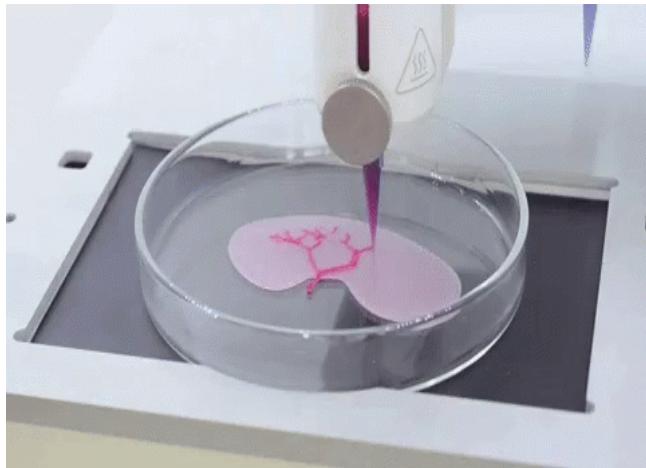
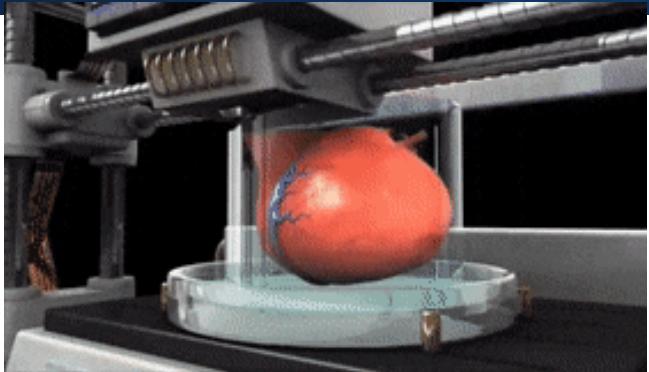
What is Tissue Engineering



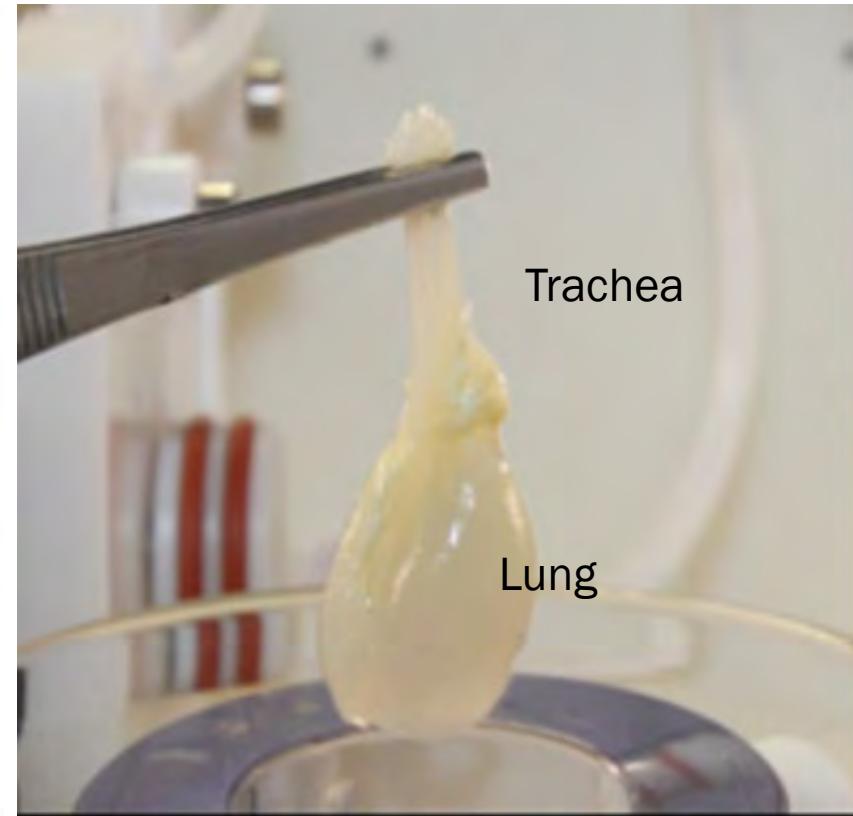
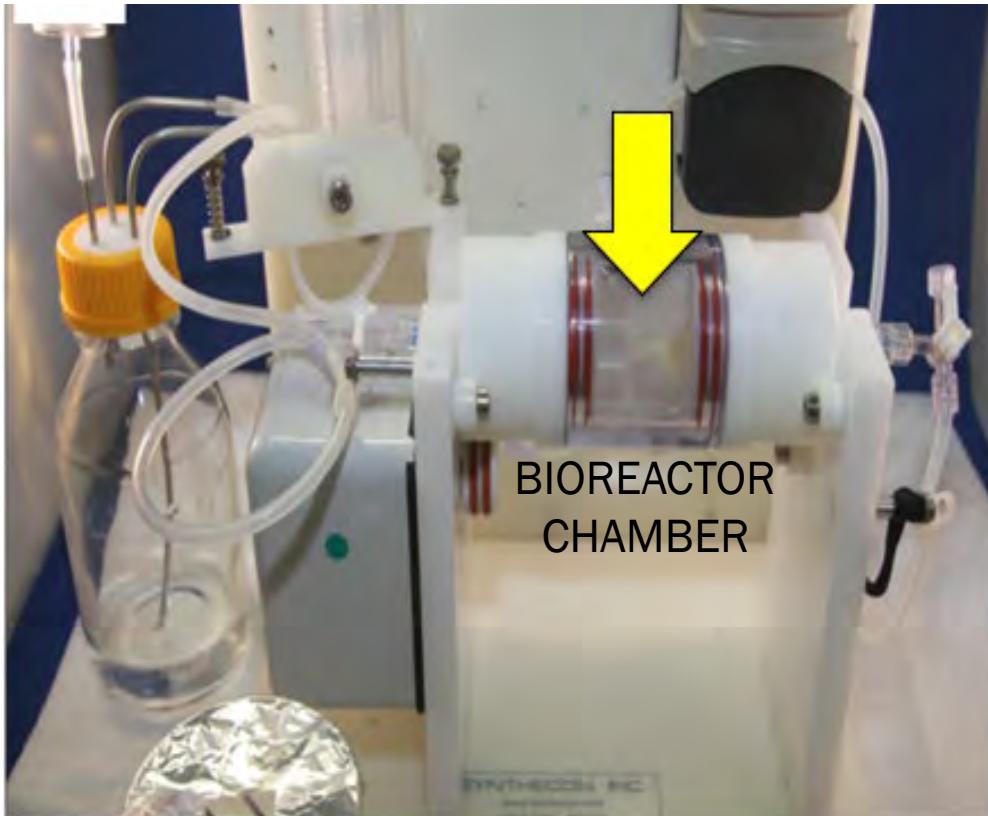
Nichols JE, La Francesca S, Vega SP, Niles JA, Argueta LB, Riddle M, Sakamoto J, Vargas G, Pal R, Woodson L, Rhudy J, Lee D, Seanor D, Campbell G, Schnadig V, Cortiella J. Giving new life to old lungs: methods to produce and assess whole human pediatric bioengineered lungs. *J Tissue Eng Regen Med.* 2016 Jan 12.

Scaffold Production

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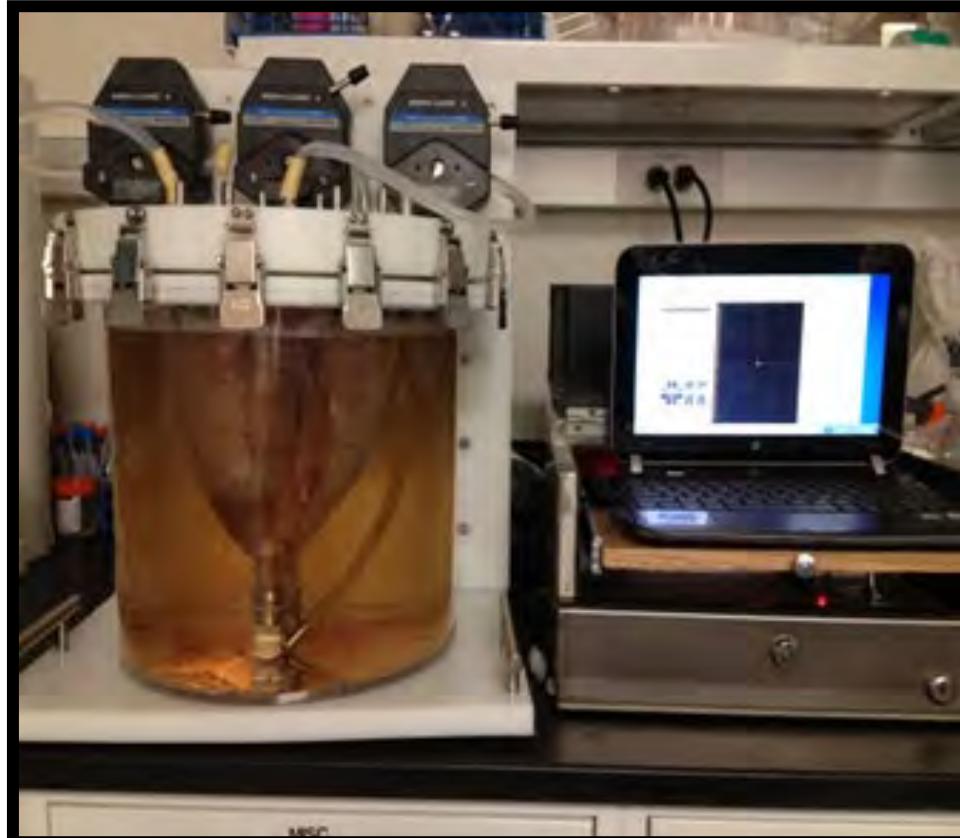
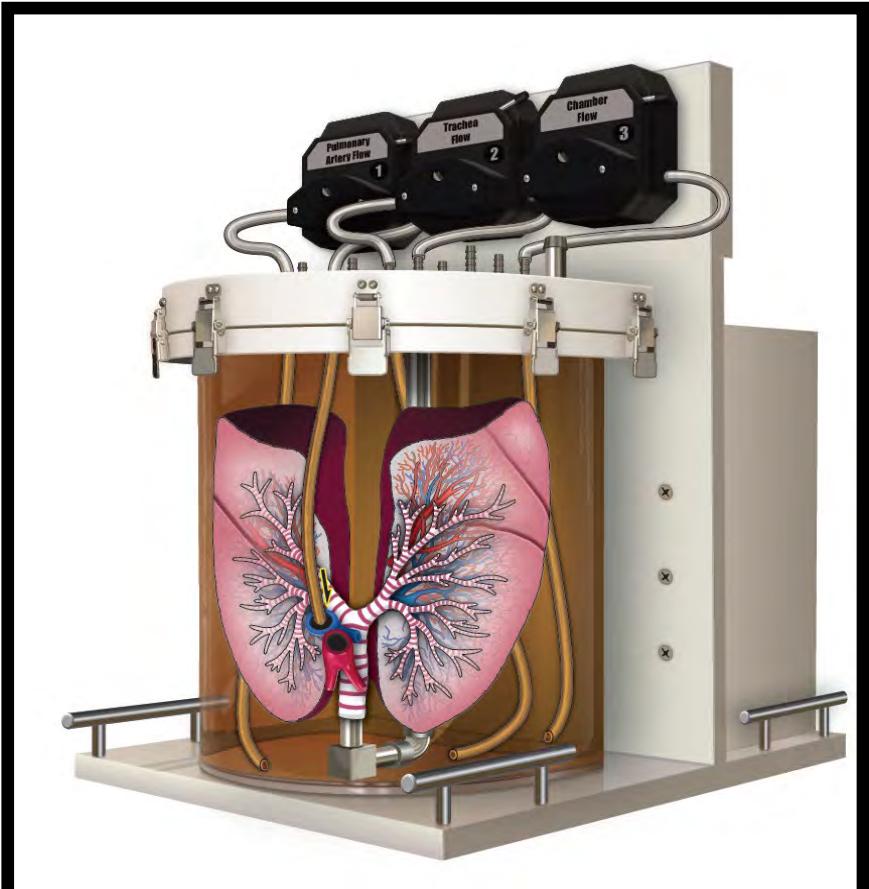


Native Lung Scaffolds

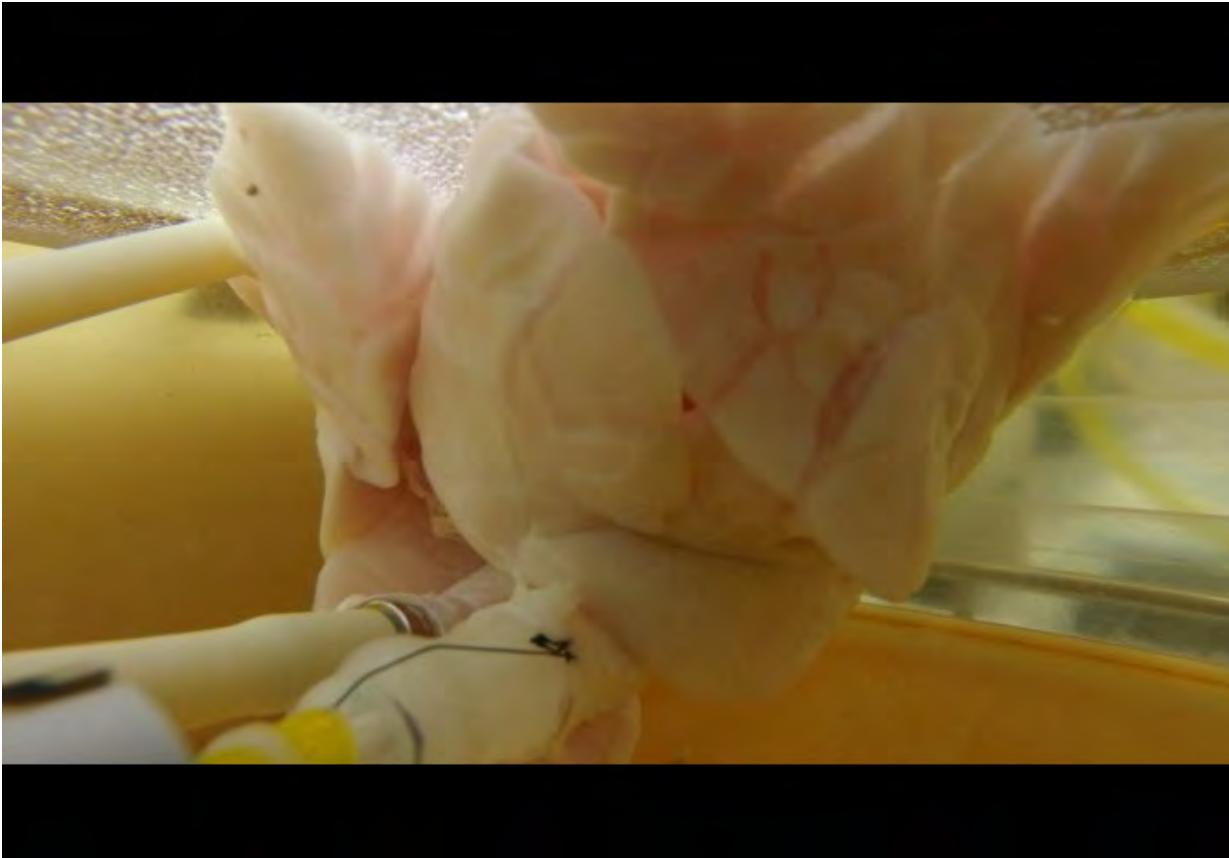


Production of Acellular Scaffolds

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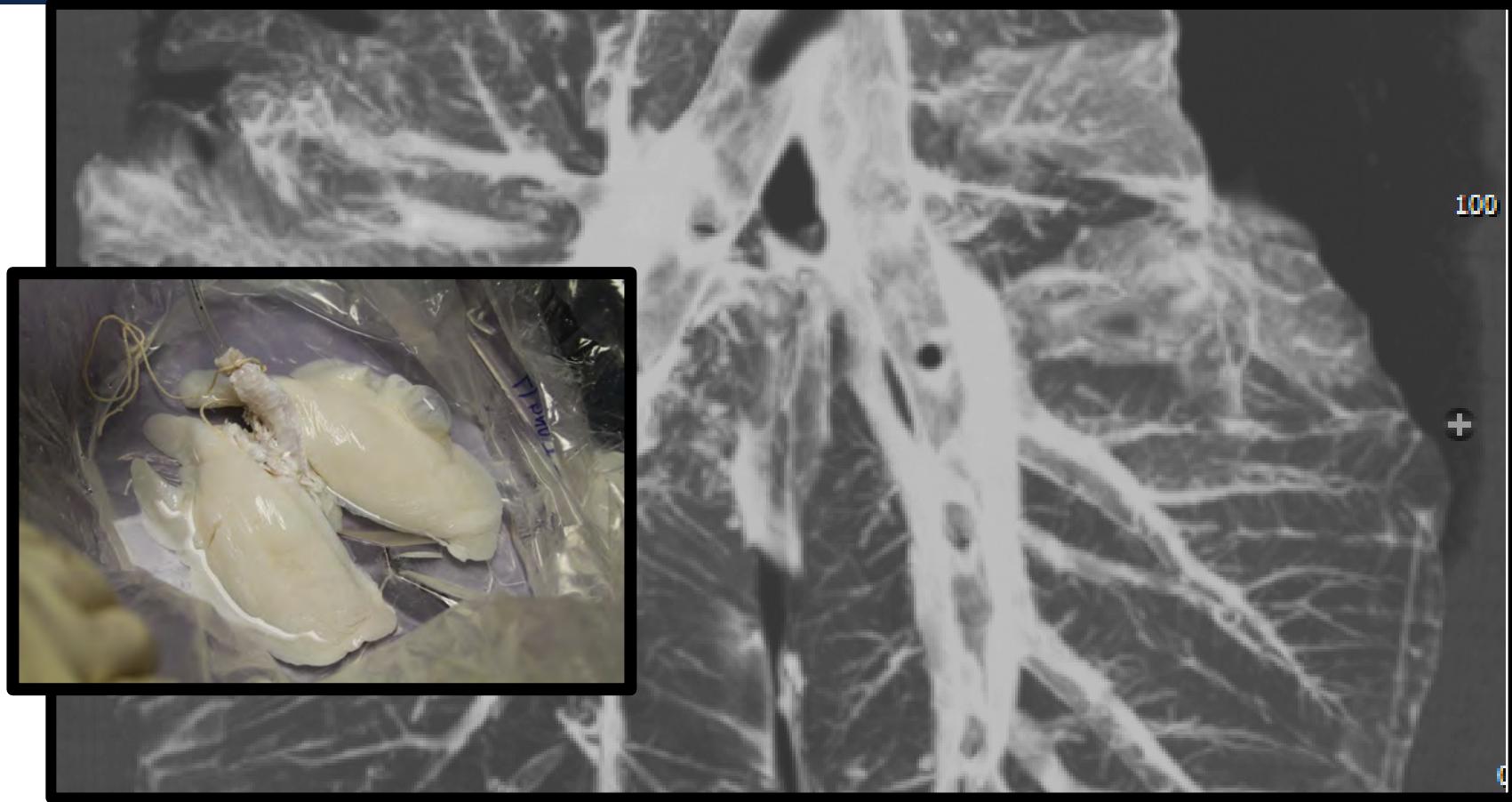
Decellularization of Whole Organs

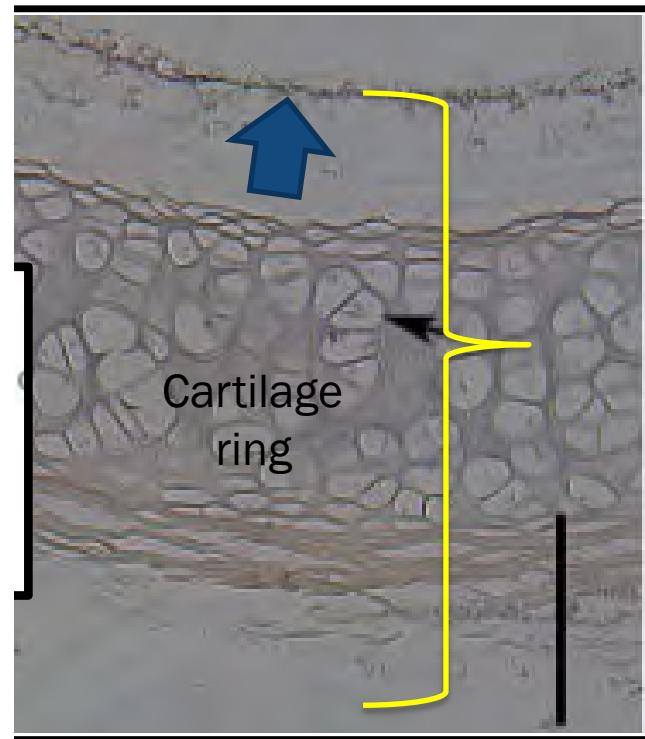
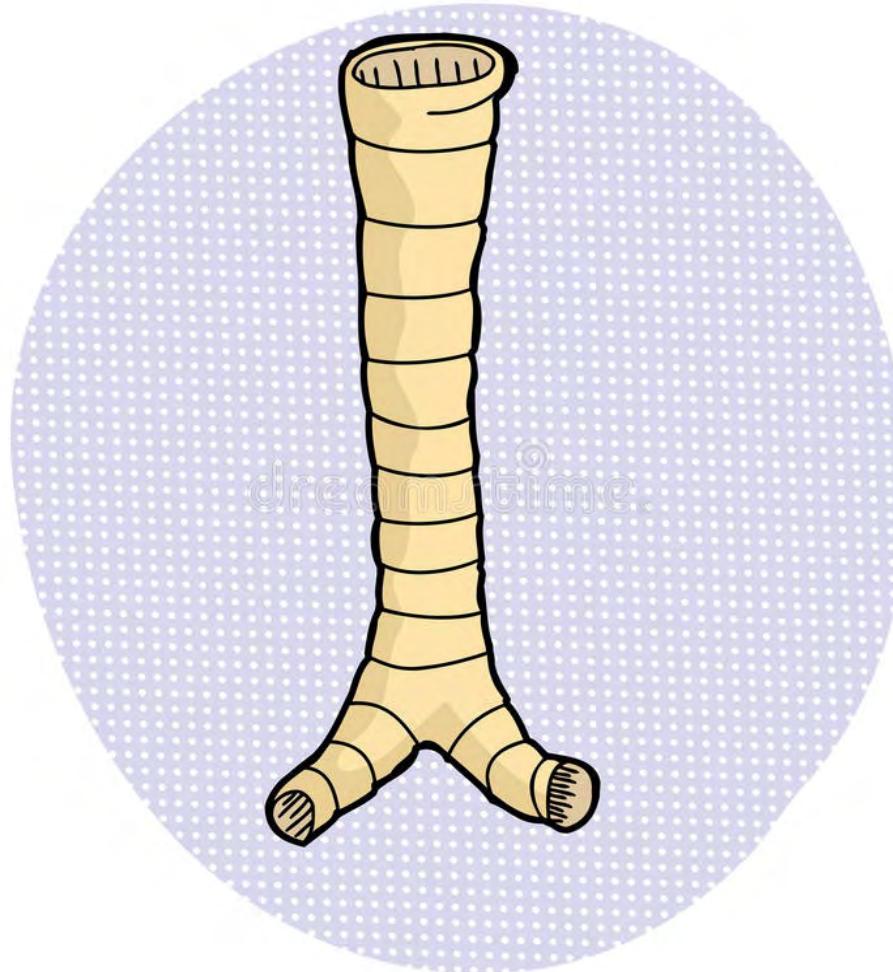


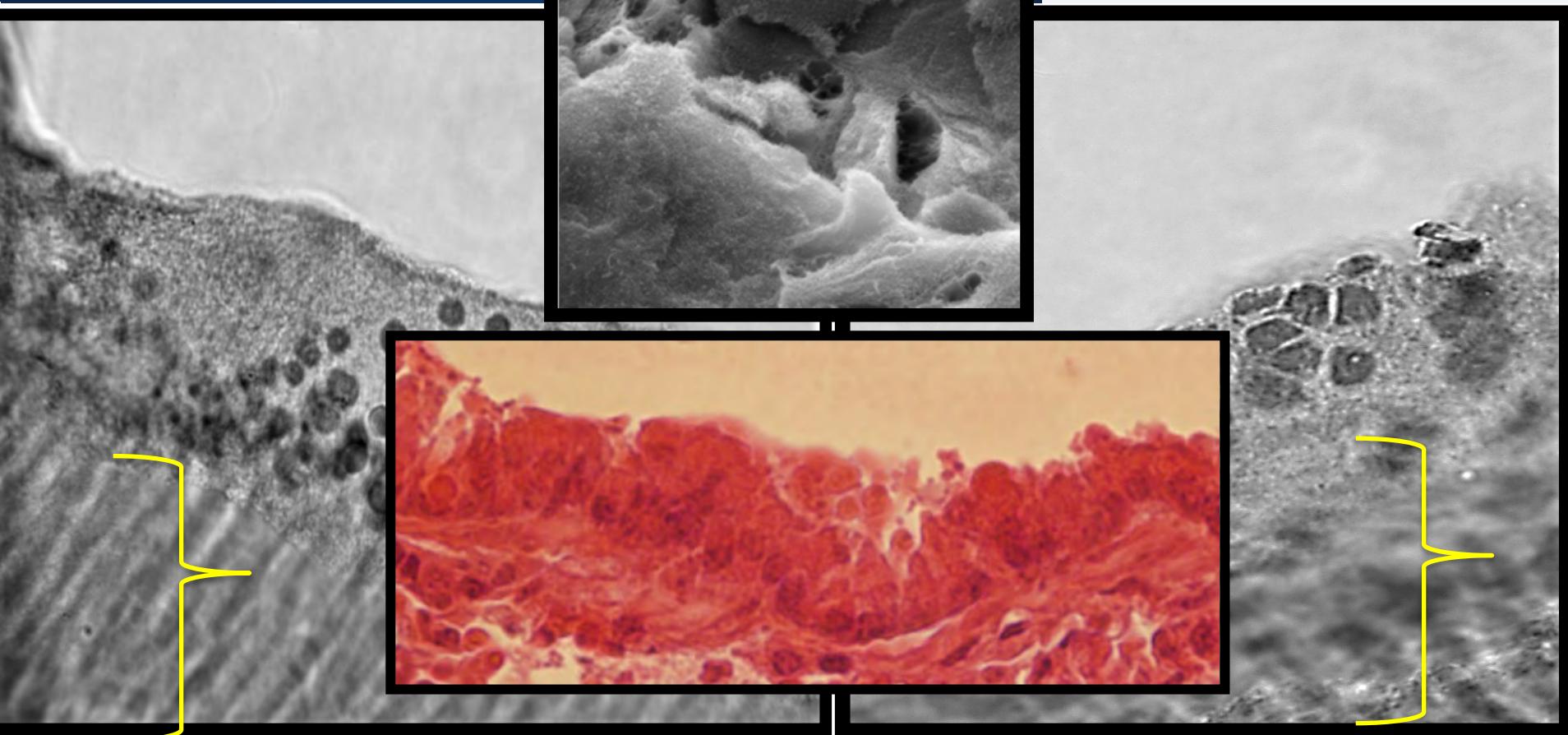
Whole Lung Scaffold

Skeleton of the Lung

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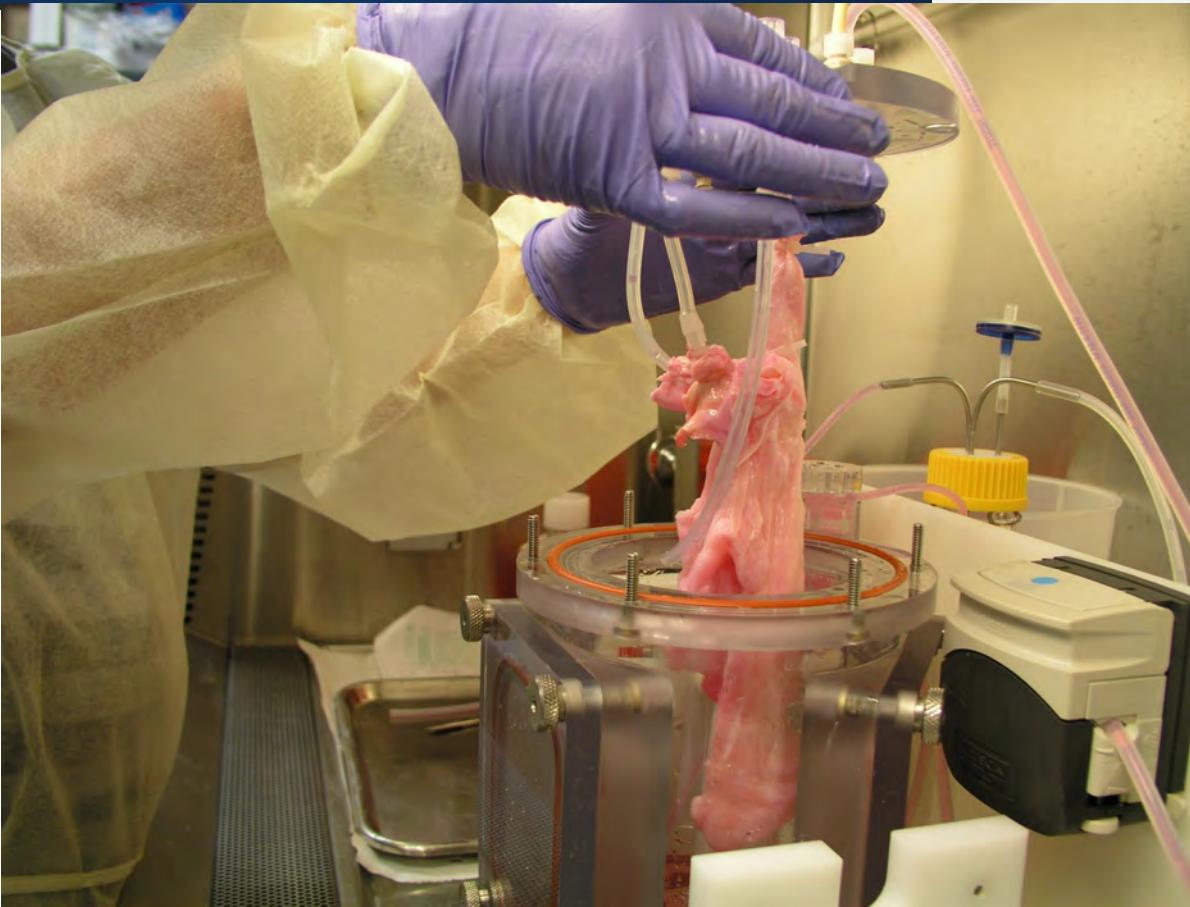




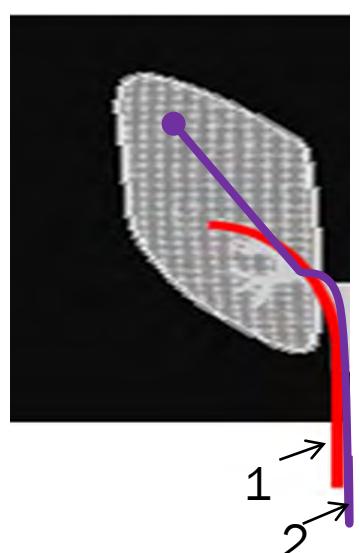
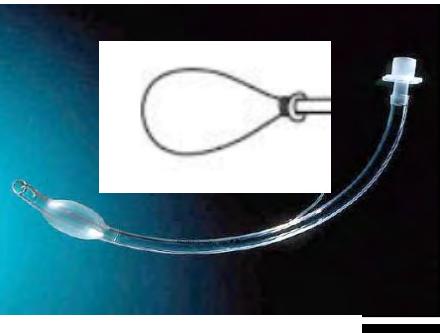


Cell Delivery Methods

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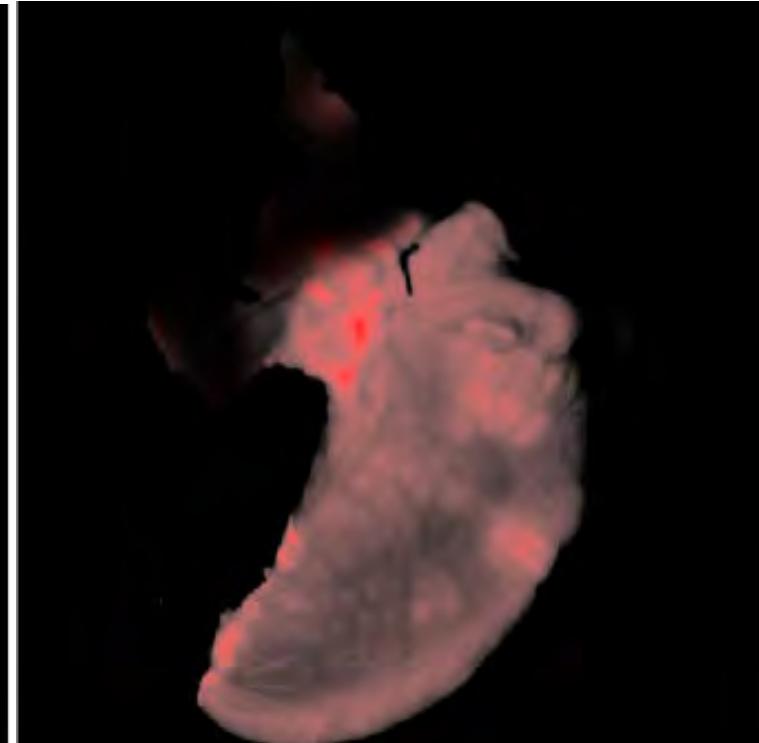
Cell Delivery Methods



30 min at 0.5 ml/min

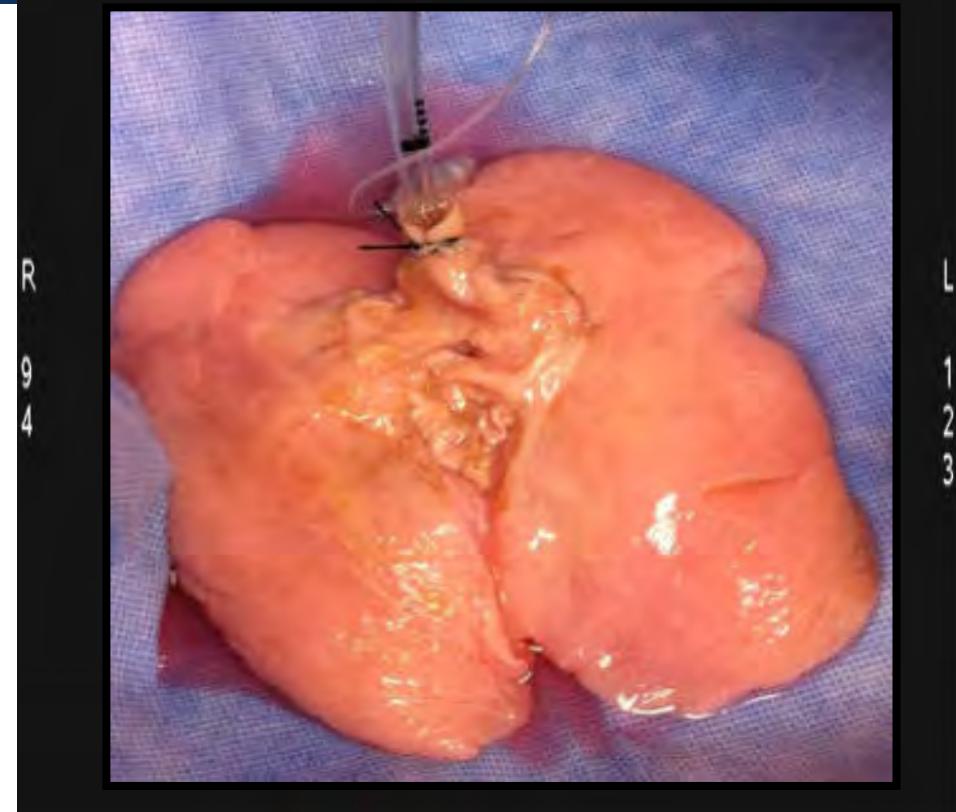


120 min at 0.5 ml/min



Production of Human Bioengineered Lung

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Nichols JE, La Francesca S, Vega SP, Niles JA, Argueta LB, Riddle M, Sakamoto J, Vargas G, Pal R, Woodson L, Rhudy J, Lee D, Seanor D, Campbell G, Schnadig V, Cortiella J. Giving new life to old lungs: methods to produce and assess whole human pediatric bioengineered lungs. *J Tissue Eng Regen Med.* 2016 Jan 12.

Production of Human Bioengineered Lung



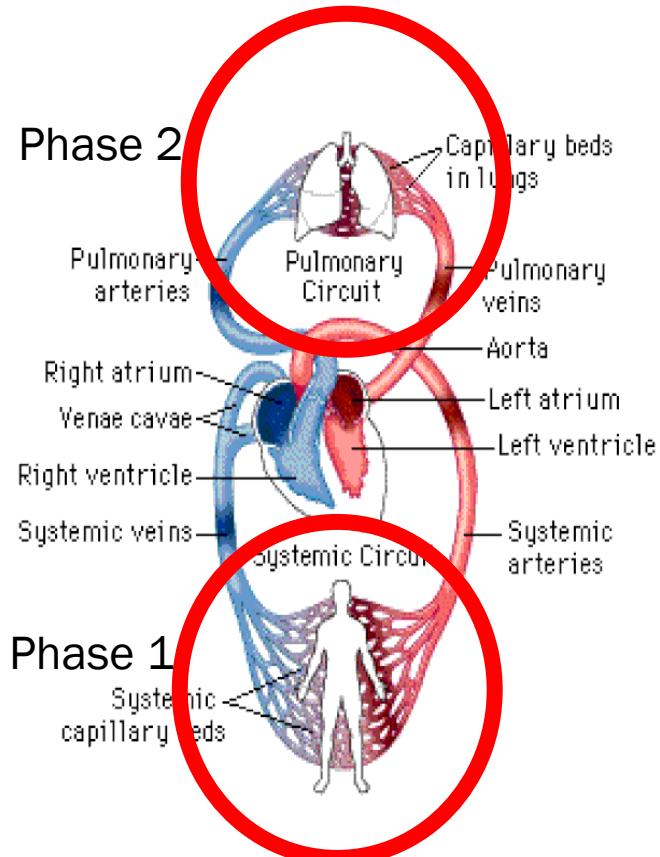
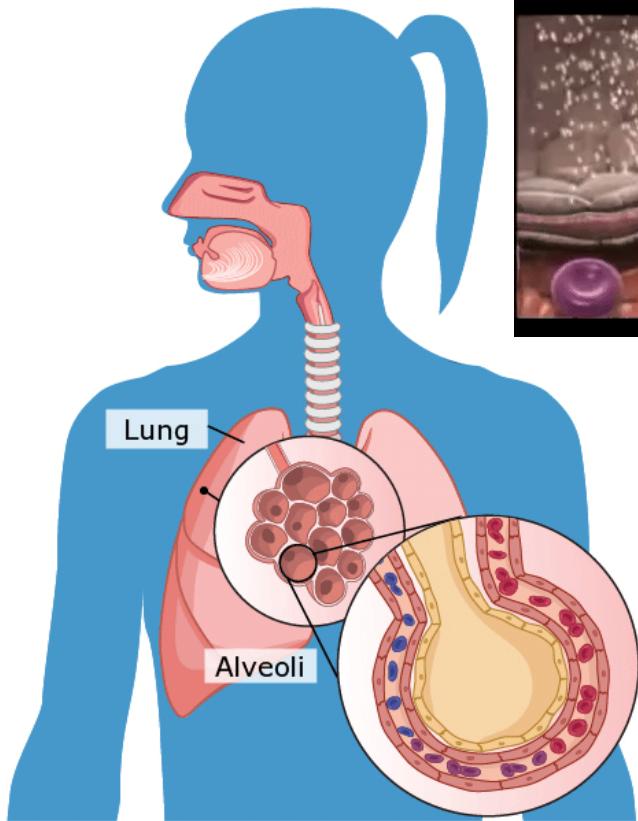
Salvatore
La France



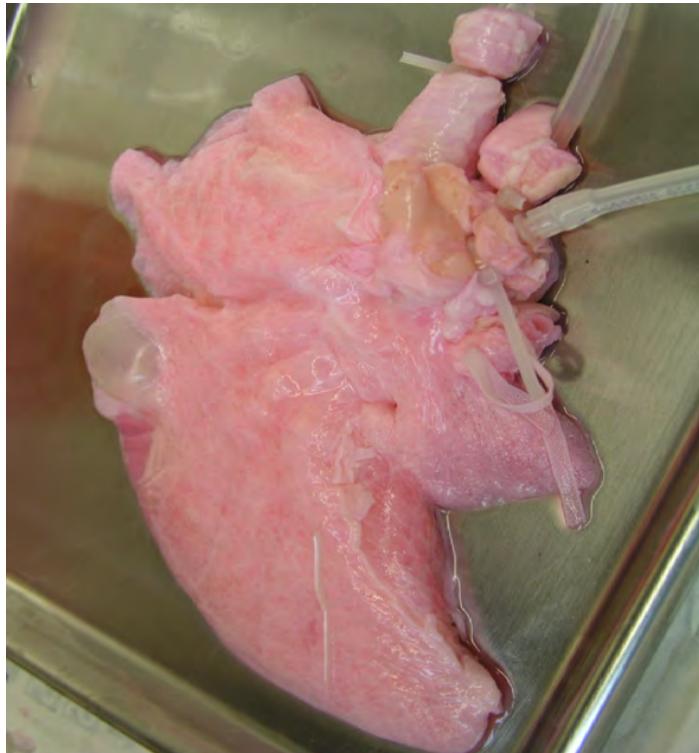
Joaquin
Cortiella M.



Gas Exchange in the Lung



Preclinical Phase 1



Pre-Clinical Transplant Phase 1

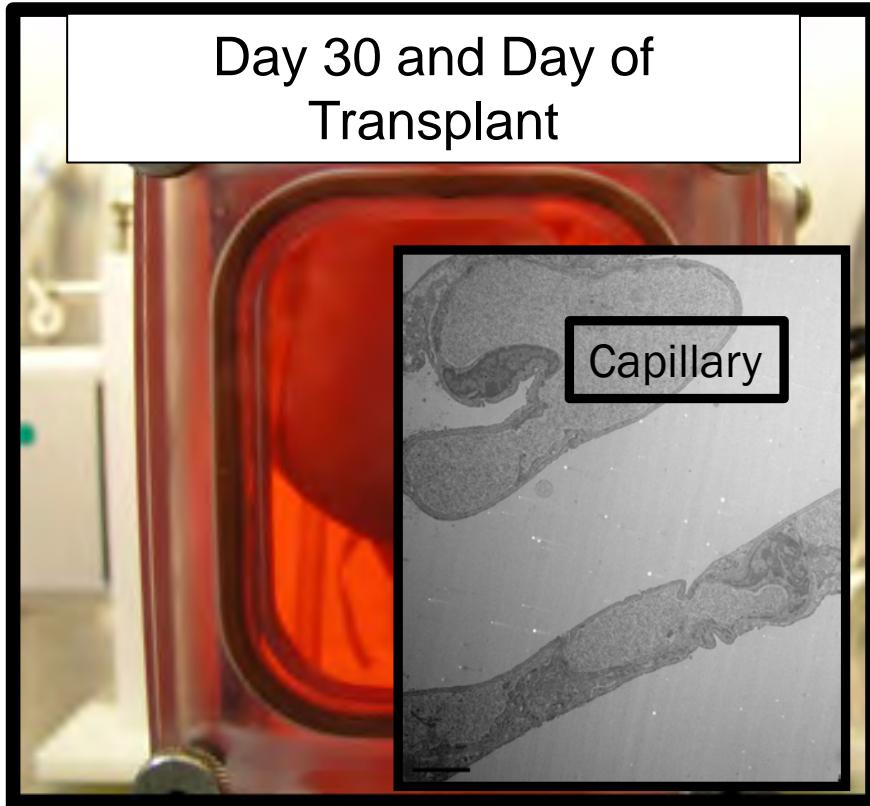
1. The left lung was removed from a pig (pneumonectomy)
2. Cells were isolated (trachea, bronchial, distal lung, vascular)
3. We used the pig's cells grown on a different smaller scaffold to make a bioengineered lung
4. The bioengineered left lung was transplanted after 30 days

Preclinical Study Phase I

Scaffold Alone Day 1

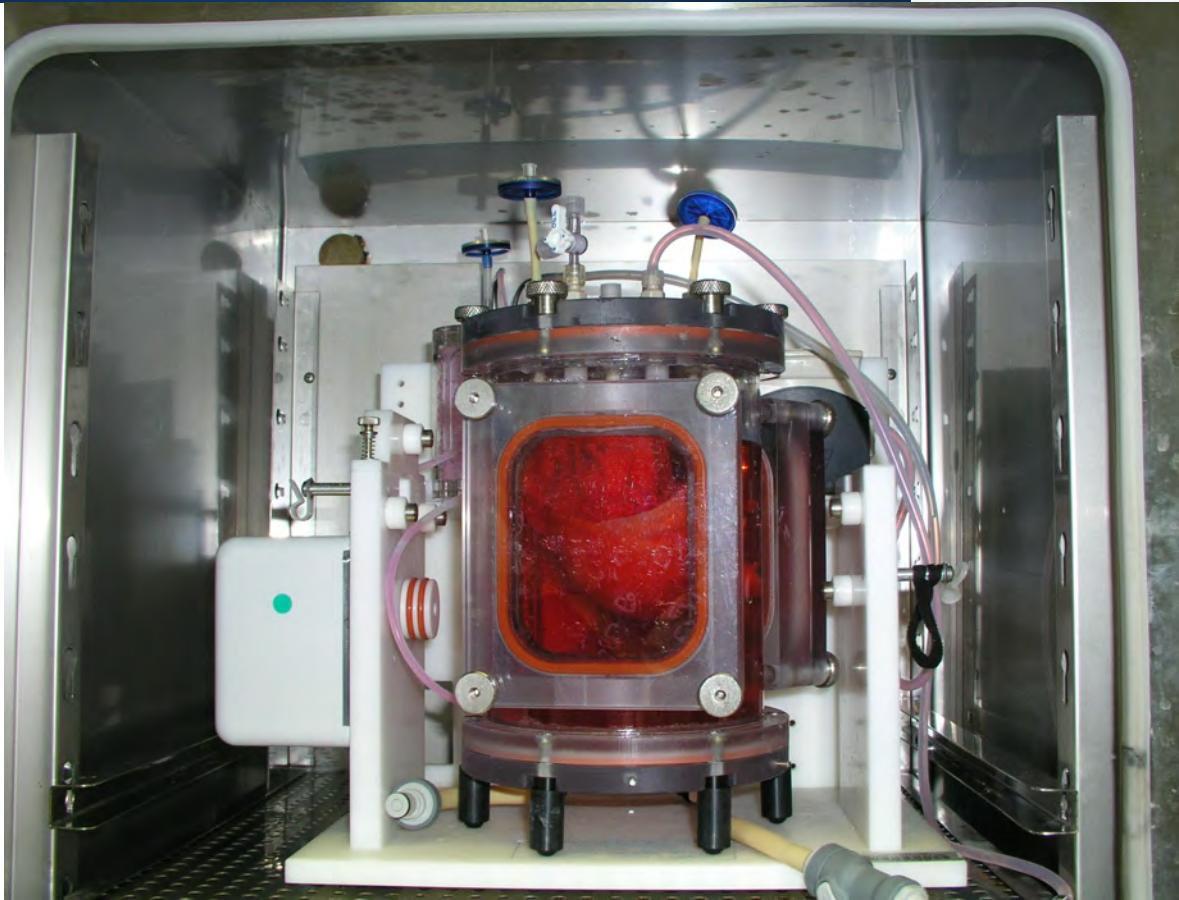


Day 30 and Day of
Transplant



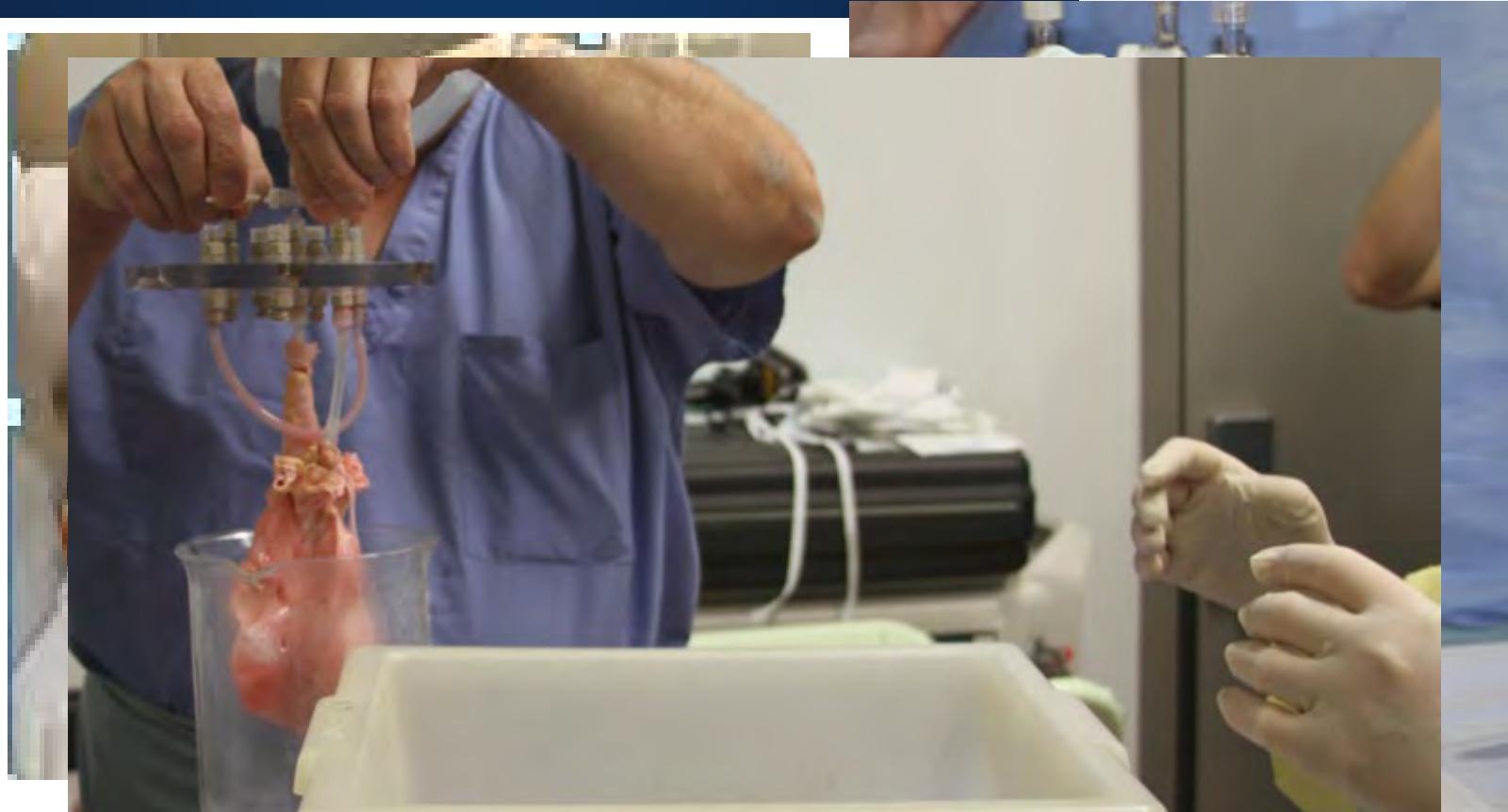
Bioengineered Lung in Incubator

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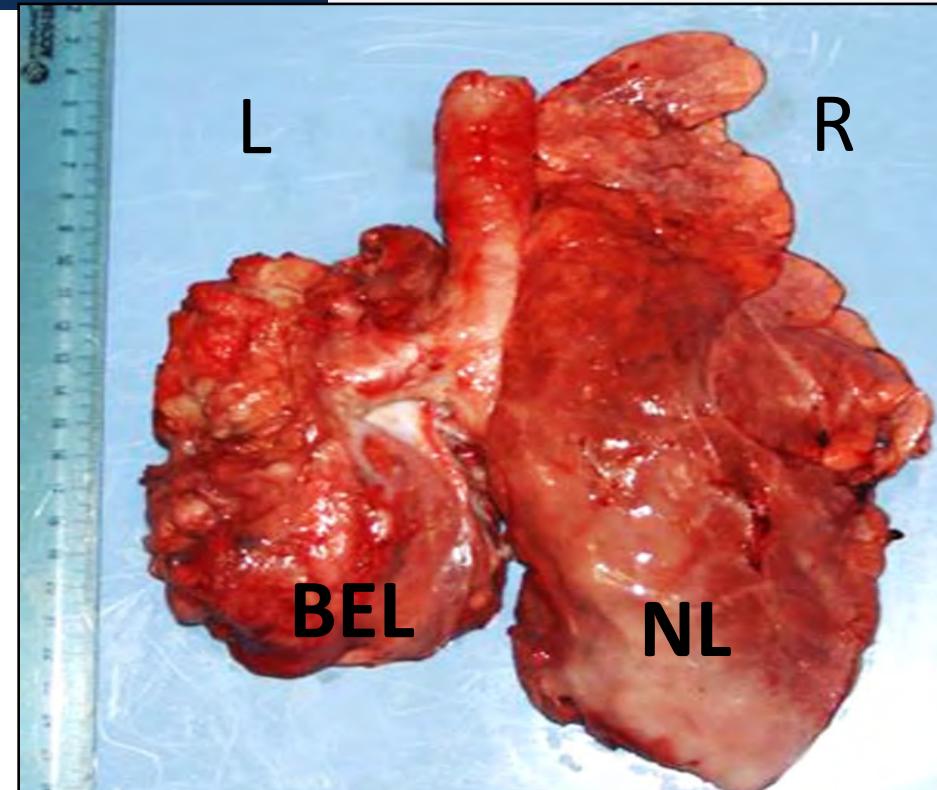
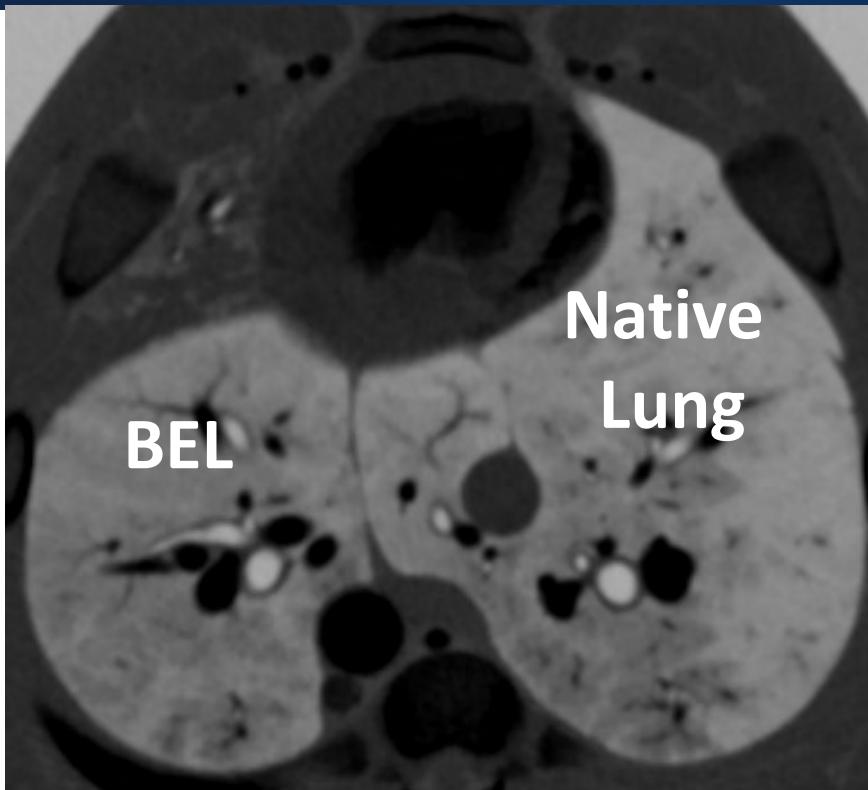


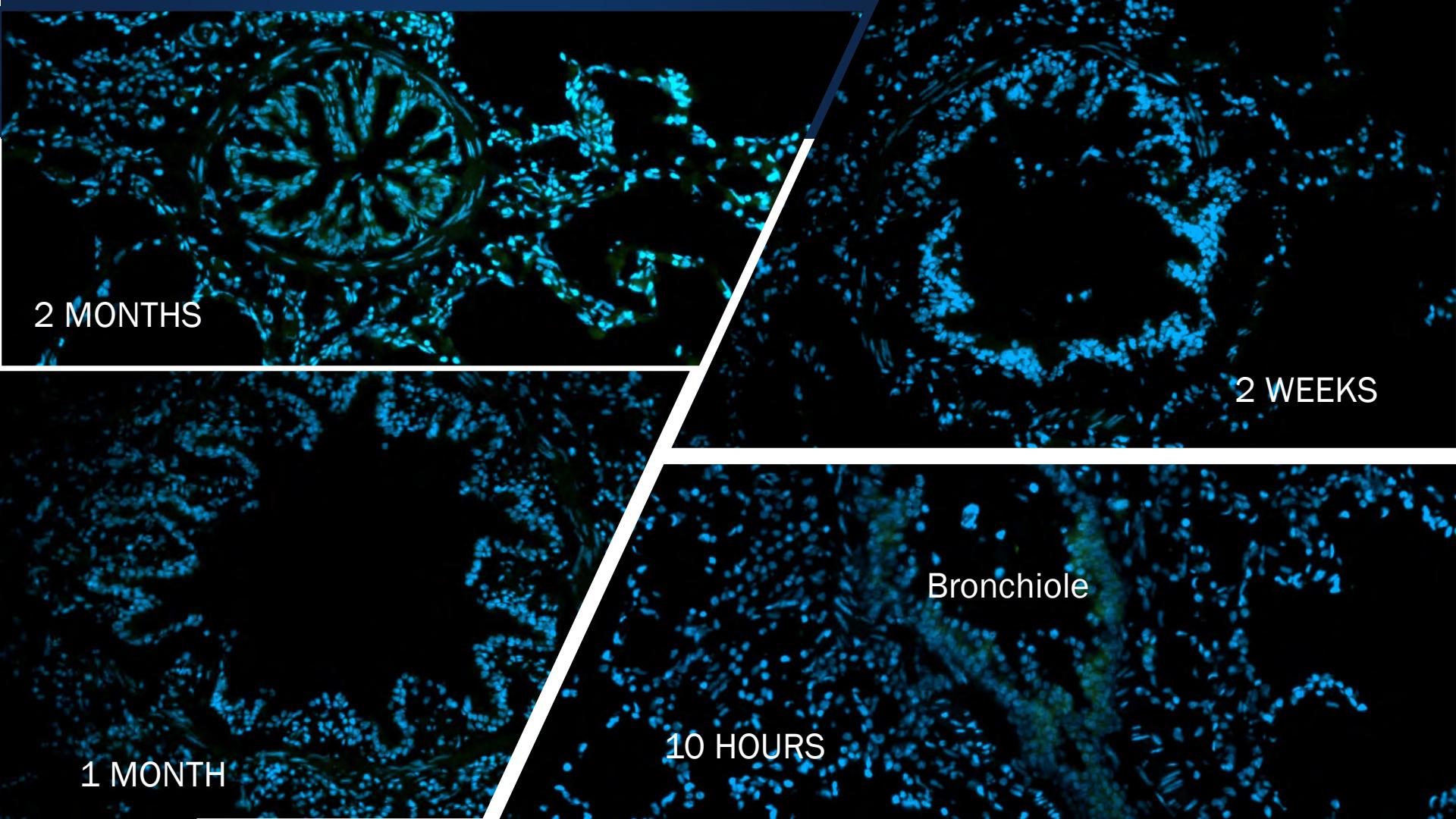
Lung Ready for Transplantation

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Preclinical Pilot Transplant 2 Months after Transplantation





2 MONTHS

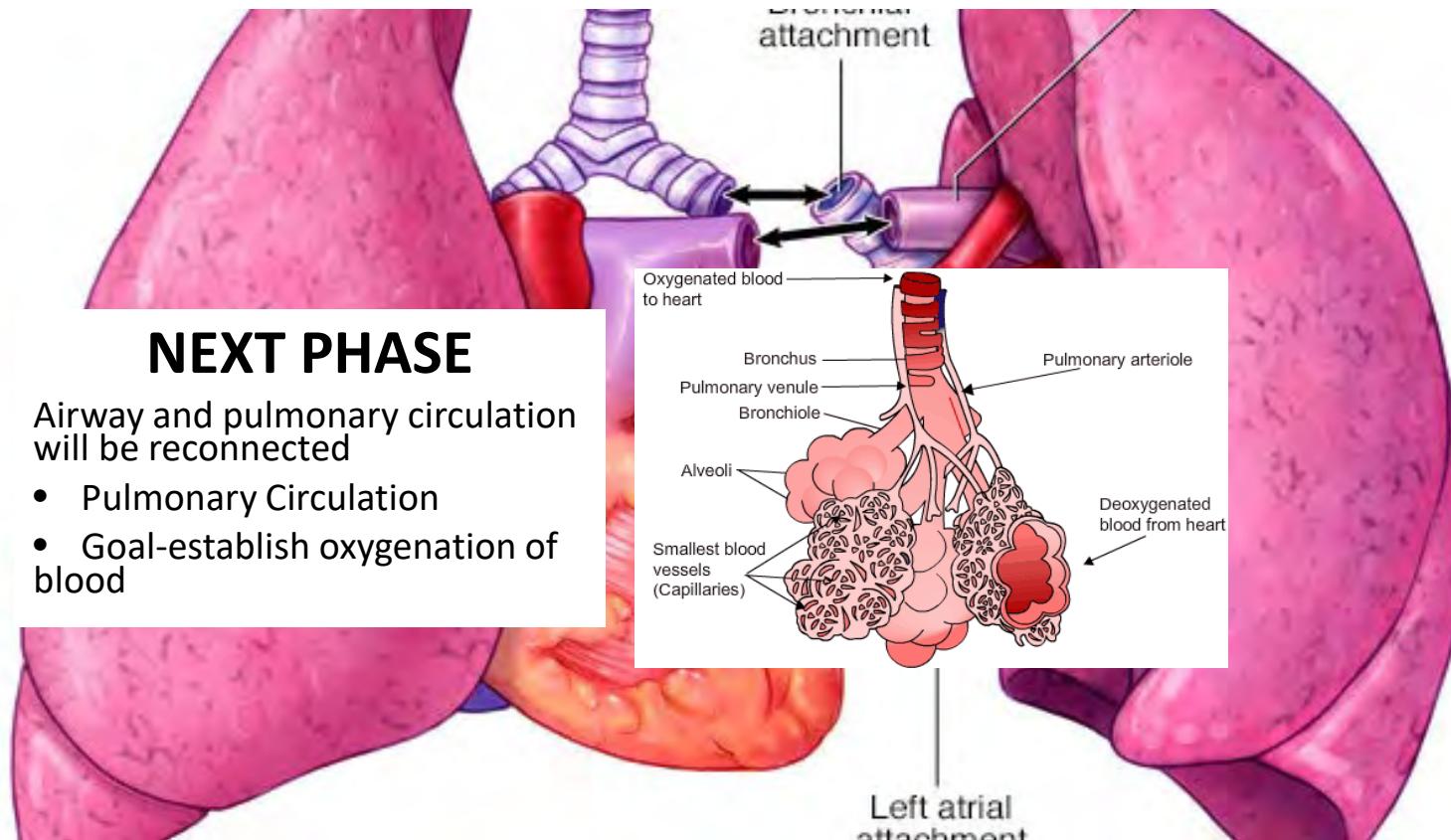
2 WEEKS

1 MONTH

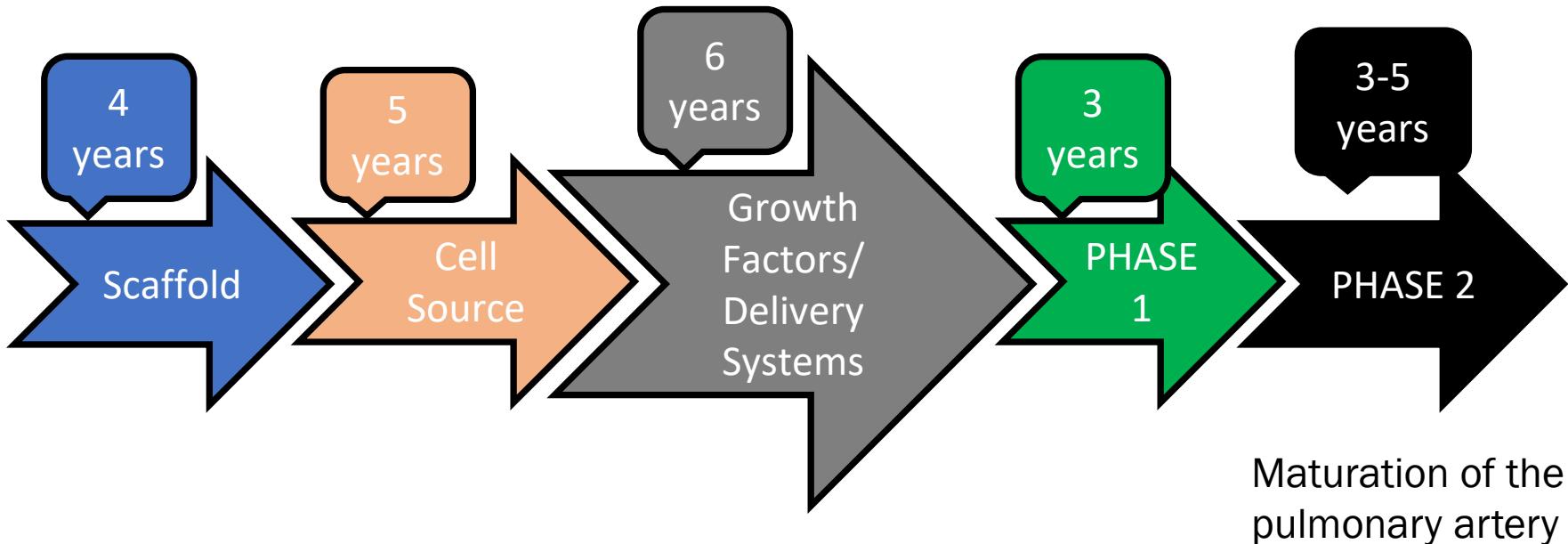
10 HOURS

Bronchiole

Phase 2 of Engineered Lung Project



Timeline for Project



The Engineered Lung Team

UTMB, Texas



Joaquin Cortiella
MD



Gracie Vargas PhD



Adam Wacher MD



Curtis Klages DVM



Rick Pyles



Rahul Pal
PhD



Luba Frank
MD



Ron Mlcak
PhD



Michael Riddle
MD



Lee Woodson MD
PhD



Jean Niles MA



Andrea
Brettler MS



Andrea
Cantu PhD



Sean
Winston MD



Kevin Cyr



Maria Grimaldo



Daniil Weaver

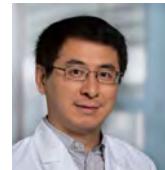
Harvard



Dave Christiani MD



Saverio
La Francesca MD



Xuewu Liu,
PhD

U Penn



Blanca Himes PhD



Jason
Sakamoto PhD



Ghanashyam Acharya
PhD

HM Update

Marc L. Boom

May 17, 2023

Leapfrog Hospital Safety Grade Trend

Spring
2023

		Past Scores																					
		Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022
HMH		A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
		B	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A	A	A		
HMB		B	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A	A	A		
		B	B	A	A	C	C	C	C	C	C	B	B	A	A	A	A	A	A	A	A		
HMCL		B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
		B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
HMSL		NS	NS	A	A	A	A																
		B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
HMTW		NS	NS	A	A	A	A																
		B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
HMWB		B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
		NS	NS	A	B	B	A	A	A	B	B	B	A	A	A	A	A	A	A	A	A		
HMW		NS	NS	A	B	B	A	A	A	B	B	B	A	A	A	A	A	A	A	A	A		



Newsweek recognized Houston Methodist Hospital as one of the World's Best Hospitals in 2023

THE
WORLD'S
BEST
HOSPITALS
2023



Houston
Methodist
Named #40
on Fortune's
List of
America's
Most
Innovative
Companies



Arianne Dowdell and Ryane Jackson named on Becker's list of “Black Healthcare Leaders to Know in 2023”



**BECKER'S
HEALTHCARE**



Houston Methodist Baytown Hospital Milestone: 75th Anniversary



The Baytown Sun
Vol. 103, No. 48 281-422-8302 THURSDAY, APRIL 20, 2023 www.baytownsun.com \$1.50

Houston Methodist Baytown Hospital celebrates 75th



Celebrating 75 Years of History and Service
Methodist

Houston Methodist Sugar Land Hospital Milestone: 25th Anniversary



Doctors' Day 2023

2023 John W.
Overstreet, M.D.
Award Honorees:

*Dr. Richard Harper
and
Dr. Susan Miller*



The Education Institute Held a Special Ring Ceremony for a TAMU Student



INAUGURAL PHYSICIANEERS GRADUATION CLASS OF 2023



Celebrate the landmark
graduation of the world's first
class of Physicianeneers!

May 20, 2023
11 a.m. - 1 p.m.
The Westin Hotel

TEXAS A&M SCHOOL OF ENGINEERING MEDICINE/ENMED HOSTS

NOBEL LAUREATES AND INVENTOR OF THE INTERNET COLLOQUY



Carolyn Bertozzi, PhD
Stanford University, Nobel 2022



Martin Chalfie, PhD
Columbia University, Nobel 2008



Phillip Sharp, PhD
MIT, Nobel 1993



Vinton Cerf, PhD
Co-Inventor of the Internet, Google VP
(Live via Zoom)



Peter Agre, MD
Johns Hopkins University, Nobel 2003
(Live via Zoom)



Susan Hockfield, PhD
President Emerita of MIT,
Moderator

May 19, 2023 | 2:15 - 4:30 p.m.

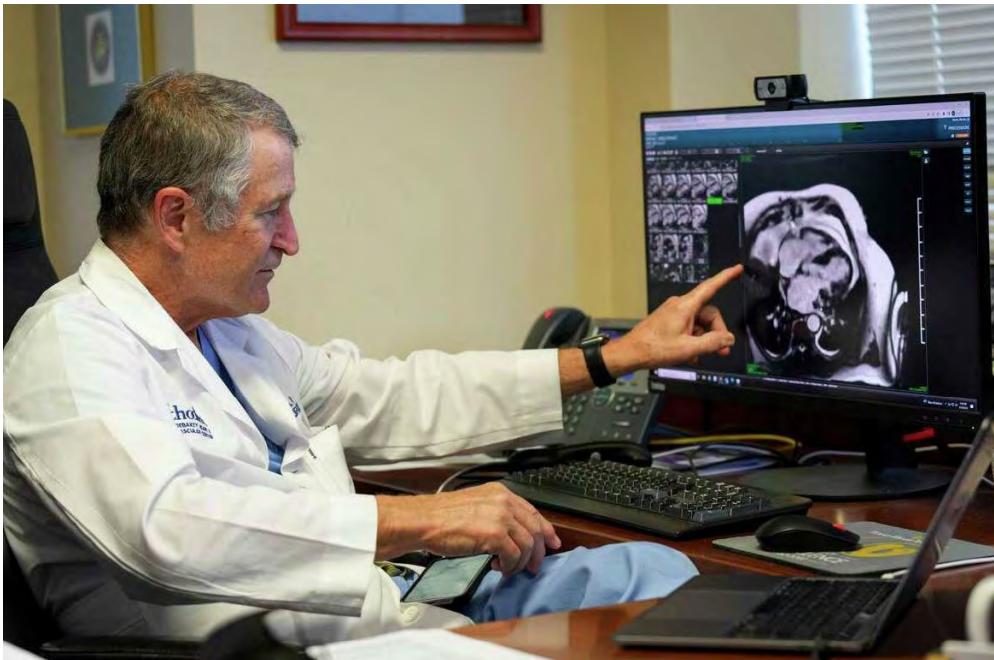
The Westin Hotel | Fifth Floor Ballroom | 1709 Dryden Rd. | Houston, TX 77030

JOIN US FOR THIS UNPRECEDENTED EVENT

Salute to Jim Nantz



Dr. Michael Reardon Featured in Houston Chronicle Article On Cardiac Tumor Program



Houston Methodist team travels to Ukraine to treat many hurt in war

By Evan MacDonald

STAFF WRITER

Houston Methodist surgeons and health care workers felt they had a good sense of what they'd see in Ukraine before they traveled there last month to treat soldiers and civilians in-

jured in the war with Russia.

The team, part of a group of 13 health care workers from the U.S. and Canada, spent more than six months preparing to treat injuries from gunshots and high-velocity blasts. But it felt different once they arrived and met those patients in per-

son, said Dr. Anthony Brissett, the director of facial plastic and reconstructive surgery at Houston Methodist.

"You can't help but have this affect you emotionally in some way," Brissett said. "A lot of these people are young men and

Ukraine continues on A11



Dr. Anthony Brissett, second from right, performs surgery in Ukraine, where he was part of a medical mission to treat soldiers and civilians.

Courtesy Houston Methodist



Photos courtesy Houston Methodist

Dr. Joshua Kain, center, of Houston Methodist, speaks to health care workers in Ukraine. Kain and Dr. Anthony Brissett, left in white, were part of a team treating gunshots and high-velocity blasts.



CELEBRATING 10,000 TRANSPLANTS

HOUSTON
Methodist[®]
J.C. WALTER JR.
TRANSPLANT CENTER

Houston Methodist J.C. Walter Jr. Transplant Center has performed its 10,000th organ transplant. For 60 years, we have proudly served our community through lifesaving innovations in organ transplant, and we are honored to continue building on our legacy as a world leader.

1,226

HEART
TRANSPLANTS

1,559

LUNG
TRANSPLANTS

2,262

LIVER
TRANSPLANTS

4,512

KIDNEY
TRANSPLANTS

86

PANCREAS & ISLET
TRANSPLANTS

355

MULTI-ORGAN
TRANSPLANTS

A photograph of a medical team in an operating room. A male surgeon in the foreground is focused on surgery, while a female surgeon and a medical professional in scrubs stand by. The room is filled with medical equipment and bright overhead lights.

THANK YOU FOR ATTENDING OUR TOWN HALL CONVERSATION

If you would like more information about lung transplantation or tissue engineering, please contact Tannya Flores at tflores2@houstonmethodist.org.

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