

Why is it needed? 01



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The more you know about practices for lung transplantation, the greater position you are in to be your own advocate and make informed decisions. Staying informed will also help you better communicate with your healthcare providers so you can work together to choose the best treatment options for you.

Your healthcare providers are your best source of information about lung transplantation, but this brochure is intended to help you understand the basics.

THERE IS A SHORTAGE OF ORGANS THAT MEET "IDEAL" SPECIFICATIONS

Historically, the number of people on the waiting list continues to be much larger than the number of donors. Though this number continues to rise, many donor organs are still discarded because they are considered unacceptable.



COMPARED TO OTHER TRANSPLANTED ORGANS





ARE REJECTED Yet, it is estimated that 40% of the discarded

lungs are still usable



In comparison:



of available donor kidneys are used for transplantation



75% of available donor livers are used for transplantation



7

30%

of available donor hearts are used for transplantation 8

LUNGS ARE VULNERABLE AND MAY BECOME DAMAGED



WHY ARE ONLY 20% OF DONOR LUNGS USED?

LUNGS HAVE SHORT PRESERVATION

Common maximum adult organ



12

HOW DOES EVLP HELP?

There are important factors that are taken into consideration when assessing donor lungs. These include donor medical history, lung condition, logistical challenges, and the process of matching donor lungs with a recipient. Each of these factors plays a vital role in deciding if donor lungs may be used in standard transplantation.

When transplant physicians assess donor lungs, they review donor medical history in detail. In cases where the medical history and lung function test results indicate damage to lungs, they are considered not acceptable. EVLP, ex vivo lung perfusion, is a process applied to donor lungs outside of the donor's body. The process takes place prior to transplant and uses a device to help evaluate lungs.

During EVLP, which takes several hours, lungs are continuously assessed. If the lung is deemed suitable by a transplant physician after EVLP, the lungs are transplanted into a waiting patient.

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EVLP gives the transplant team a second look to decide whether lungs can be used in transplantation.



EVLP allows the transplant team to prolong the time that lungs are outside the donor body so they can be evaluated.



The EVLP system attempts to mimic the functionality of the body. The donor lungs are attached to a ventilator, pump, and filters. The lungs are maintained at normal body temperature and perfused.



EVLP makes it possible for organs to be transported over greater distances. This may help hospitals in procuring lungs from donors that are farther away.





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