

Liver Transplant Success Rate

HSCT remains a dangerous procedure with many possible complications; it is reserved for patients with life-threatening diseases. As survival following the procedure has increased, its use has expanded beyond cancer to autoimmune diseases and hereditary skeletal dysplasias, notably malignant infantile osteopetrosis and mucopolysaccharidosis. 71112b8649 Because the pancreas is a vital organ, performing functions necessary in the digestion process, the recipient's native pancreas is left in place, and the donated pancreas is attached in a different location. In the event of rejection of the new pancreas, which would quickly cause life-threatening diabetes, there would be a significant chance the recipient would not survive very well for long without the native pancreas, however dysfunctional, still in place. The healthy pancreas comes from a donor who has just died or it may be a partial pancreas from a living donor. At present, pancreas transplants are usually performed in persons with insulin-dependent diabetes, who can develop severe complications. Patients with the most common, and deadliest, form of pancreatic cancer (pancreatic adenomas, which are usually malignant, with a poor prognosis and high risk for metastasis, as opposed to more treatable pancreatic neuroendocrine tumors or pancreatic insulinomas) are usually not eligible for valuable pancreatic transplantations... 71112b8649

List of organ transplant donors and recipients See also Category:Kidney transplant recipients See also Category:Liver transplant recipients See also Category:Lung transplant recipients often multiple This list of notable organ transplant donors and recipients includes people who were the first to undergo certain organ transplant procedures, or who made significant contributions to their chosen field, and who have either donated or received an organ transplant at some point in their lives, as confirmed by public information 71112b8649

== History == 71112b8649

Organ transplantation in China However, independent academic analyses have raised questions Organ transplantation in China has taken place since the 1960s, and by the early 2000s had become one of the world's largest transplant programmes, with official figures reporting over 13,000 liver and kidney transplants in 2004. However, independent academic analyses have raised questions about the accuracy of these official figures and highlighted gaps in the transparency of China's transplant data. transplant programmes, with official figures reporting over 13,000 liver and kidney transplants in 2004. Official registries are not fully accessible to outside researchers, making independent

verification of transplant numbers and the sources of organs difficult 71112b8649

Kidney transplantation The first successful kidney transplant was performed in 1954 by a team including Joseph Murray, the recipient's surgeon, and Hartwell Harrison, surgeon for the donor. Living-donor kidney transplants are further characterized as genetically related (living-related) or non-related (living-unrelated) transplants, depending on whether a biological relationship exists between the donor and recipient. Kidney transplant is typically classified as deceased-donor (formerly known as cadaveric) or living-donor transplantation depending on the source of the donor organ. Kidney transplant is typically Kidney transplant or renal transplant is the organ transplant of a kidney into a patient with end-stage kidney disease (ESRD). In 2018, an estimated 95,479 kidney transplants were performed worldwide, 36% of which came from living donors. Kidney transplant or renal transplant is the organ transplant of a kidney into a patient with end-stage kidney disease (ESRD). Murray was awarded a Nobel Prize in Physiology or Medicine in 1990 for this and other work 71112b8649

== Use of immunosuppressive drugs afterward == 71112b8649 In 2006, allegations emerged that many Falun Gong practitioners had been killed to supply China's organ transplant industry. An initial investigation stated "the source of 41,500 transplants for the six year period 2000 to 2005 is unexplained... 71112b8649 It is most often performed for patients with certain cancers of the blood or bone marrow, such as multiple myeloma, leukemia, some types of lymphoma and immune deficiencies. In these cases, the recipient's immune system is usually suppressed with radiation or chemotherapy before the transplantation. Infection and graft-versus-host disease are major complications of allogeneic HSCT. 71112b8649 == Overview == 71112b8649 Organs that have been successfully transplanted include the heart, kidneys, liver, lungs, pancreas, intestine, thymus and uterus. Tissues include bones, tendons (both referred to as musculoskeletal grafts), corneae, skin, heart valves, nerves and veins. Worldwide, kidneys remain the most commonly transplanted organs, followed by liver and heart. Global analyses indicate that available transplants meet a minority of worldwide need, with the Transplant Observatory reporting substantial gaps between demand and supply and year-to-year increases in registered transplant activity in recent data releases. J. Hartwell Harrison performed... 71112b8649 Approximately 5,000 heart transplants are performed each year worldwide, more than half of which are in the US. Post-operative survival periods average 15 years. Heart transplantation is not considered to be a cure for heart disease; rather it is a life-saving treatment intended to improve the quality and duration of life for a recipient. 71112b8649 Liver transplantation is a potential treatment for acute or chronic conditions that cause irreversible and severe ("end-stage") liver dysfunction. Since the procedure carries relatively high risks, is resource-intensive, and requires major life modifications after surgery, it is reserved for dire circumstances. It has also emerged as an option for people

whose colorectal cancer has metastasized to the liver. 71112b8649 Involuntary organ harvesting was once legal on criminals, but outlawed in 2015. Growing concerns about possible ethical abuses arising from coerced consent and corruption led medical groups and human rights organizations, by the 1990s, to condemn the practice. These concerns resurfaced in 2001, when a Chinese asylum-seeking doctor testified that he had taken part in organ extraction operations. 71112b8649 For a hand transplant to succeed, the recipient is required to take immunosuppressive drugs, as in other organ transplants such as kidney or liver, to minimize rejection, or risk destruction of the hand by the recipient's natural immune system. These drugs risk weakening the recipient's immune system, which may increase the risk of infections and some cancers. Many recent advances in solid... 71112b8649 Hematopoietic stem cell / bone marrow transplant for leukemia 71112b8649

Transplantation (medicine) The donor and recipient may be at the same location, or organs may be transported from a donor site to another location. remain the most commonly transplanted organs, followed by liver and heart. Transplants that are recently performed between two subjects of the same species are called allografts. Organs and tissues that are transplanted within the same person's body are called autografts. Allografts can either be from a living or cadaveric source. Global analyses indicate that available transplants meet a minority of worldwide Transplantation is a medical procedure in which an organ, tissue, or cells are removed from one organism and placed in a recipient organism, often to replace a damaged or missing function 71112b8649

Hand transplantation This was the first of a new category of transplants in which multiple organs are transplanted as a single functional unit, now termed "vascularized composite allotransplantation" (VCA). a hand transplant to succeed, the recipient is required to take immunosuppressive drugs, as in other organ transplants such as kidney or liver, to minimize Hand transplantation, or simply hand transplant, is a surgical procedure to transplant a hand from one human to another. Most hand transplants to date have been performed on below-elbow amputees, although above-elbow transplants are gaining popularity. The donor hand, usually from a brain-dead donor, is transplanted to a recipient amputee 71112b8649

== Medical uses == 71112b8649 Corneal epithelial (limbal stem cell) transplantation against, against severe ocular-surface disorders 71112b8649 Before receiving a kidney transplant, a person with ESRD must undergo a thorough medical evaluation to make sure that they are healthy enough to undergo transplant surgery. If they are deemed a good candidate, they can be placed on a waiting list to receive a kidney from a deceased donor. Once they are placed... 71112b8649 The list in this article can give the impression that disease can only be solved in ~35 (see list below) of the ~90 organs in the human body

(see List of organs of the human body). Thinking of whole organ transplant as the only commonly used method of transplantation against disease is incorrect, as often only a part of the organ (tissue) is transplanted. A few examples are:
 71112b8649 The operation is extensive, and typically lasts from 8 to 12 hours. In comparison, a typical heart transplant operation lasts 6 to 8 hours. Surgeons usually connect the bones first, followed by tendons, arteries, nerves, veins, and skin. 71112b8649 Judging the appropriateness or effectiveness of liver transplant on case-by-case basis is critically important (see Contraindications), as outcomes are highly variable. 71112b8649

Heart transplantation As of 2018, the most common procedure is to take a functioning heart from a recently deceased organ donor (brain death is the most common) and implant it into the patient. A heart transplant, or a cardiac transplant, is a surgical transplant procedure performed on patients with end-stage heart failure when other medical A heart transplant, or a cardiac transplant, is a surgical transplant procedure performed on patients with end-stage heart failure when other medical or surgical treatments have failed. The patient's own heart is either removed and replaced with the donor heart (orthotopic procedure) or, much less commonly, the recipient's diseased heart is left in place to support the donor heart (heterotopic, or "piggyback", transplant procedure) 71112b8649

Pancreas transplantation not eligible for valuable pancreatic transplantations, since the condition usually has a very high mortality rate and the disease, which is usually highly A pancreas transplant is an organ transplant that involves implanting a healthy pancreas (one that can produce insulin) into a person who usually has diabetes 71112b8649

== Qualifying conditions == 71112b8649

Liver transplantation Liver transplantation is highly regulated and only performed at designated transplant medical centers by highly trained transplant physicians. Favorable outcomes require careful screening for eligible recipients, as well as a well-calibrated live or deceased donor match. Liver transplantation or hepatic transplantation is the replacement of a diseased liver with the healthy liver from another person (allograft). Liver transplantation is a treatment option for end-stage liver disease and acute liver failure, although the availability of donor organs is a major limitation. Liver Liver transplantation or hepatic transplantation is the replacement of a diseased liver with the healthy liver from another person (allograft) 71112b8649

Lung transplantation While lung transplants carry certain associated risks, they can also extend life expectancy and enhance the quality of life for those with end stage pulmonary disease. With other lung diseases such as cystic fibrosis, it is

imperative that a recipient receive two lungs. A living donor can only donate one lung lobe. Stroke in the last 30 days Liver cirrhosis (unless also being considered for a concomitant liver transplant) Acute liver failure Septic shock Active Lung transplantation, or pulmonary transplantation, is a surgical procedure in which one or both lungs are replaced by lungs from a donor. With some lung diseases, a recipient may only need to receive a single lung. Donor lungs can be retrieved from a living or deceased donor 71112b8649

Islet of Langerhans transplantation against Type 1 diabetes mellitus 71112b8649

Hematopoietic stem cell transplantation recipient. This lower rate of relapse accounts for the increased success rate of allogeneic transplants, compared to transplants from identical twins, Hematopoietic stem-cell transplantation (HSCT) is the transplantation of multipotent hematopoietic stem cells, usually derived from bone marrow, peripheral blood, or umbilical cord blood, in order to replicate inside a patient and produce additional normal blood cells. HSCT may be autologous (the patient's own stem cells are used), syngeneic (stem cells from an identical twin), or allogeneic (stem cells from a donor) 71112b8649

Lung transplantation is the therapeutic measure of last resort for patients with end-stage lung disease who have exhausted all other available treatments without improvement. A variety of conditions may make such surgery necessary. The most common indications for a lung transplant are pulmonary fibrosis, chronic obstructive pulmonary disease (COPD), cystic fibrosis, and pulmonary vascular disease including pulmonary hypertension or pulmonary arterial hypertension. 71112b8649 == Medical uses == 71112b8649

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