

Organ and Hematopoietic Stem Cell Transplantation

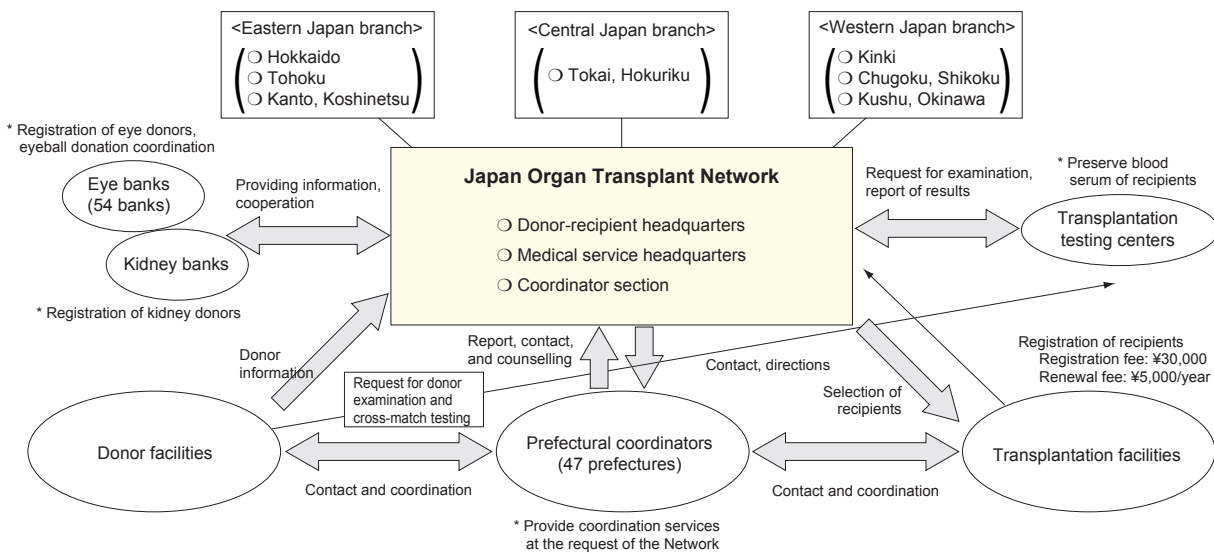
Overview

[Organ Transplantation System]

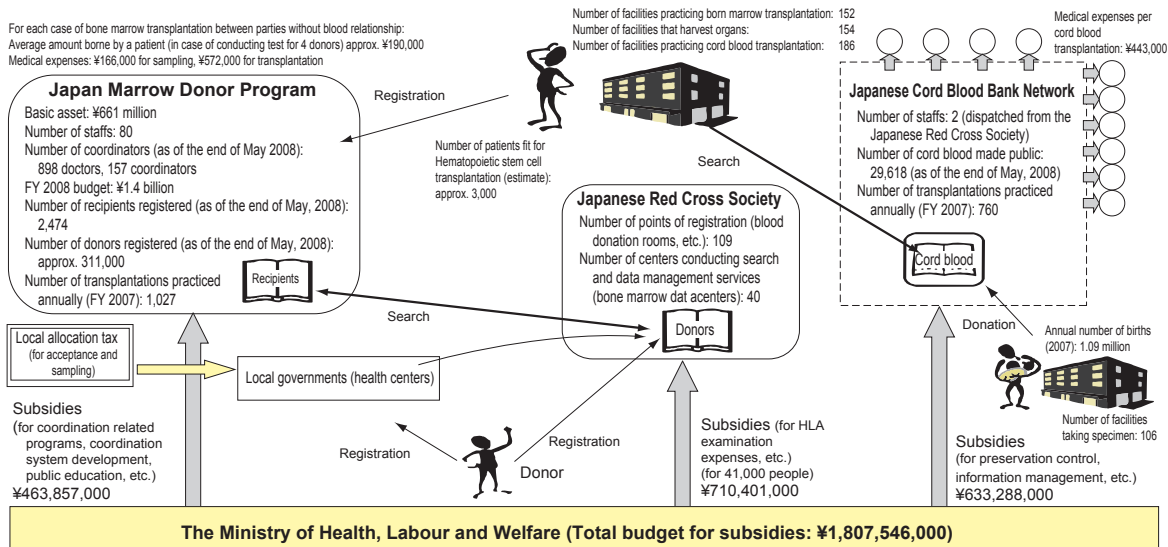
The traditional kidney transplantation system was reviewed and a new centralized nationwide kidney transplantation network was launched in FY 1995. This network subsequently expanded according to the enforcement of the "Law on Organ Transplantation" enforced in October 1997 which enabled multiple organ transplantation.

At present, Japan Organ Transplant Network predominantly provides organ transplantation coordination services based on the principle of fair and appropriate organ distribution in such a way that the Network selects recipients based on universal standards. Moreover, kidney bank throughout Japan are promoting public education regarding kidney transplantations. For eyeball (cornea) transplantation, 54 eye banks nationwide register doctors, coordinate transplantations, and promote public education.

Organ Transplantation Network System Diagram



Hematopoietic Stem Cell Transplantation System



* Subsidies are on the FY 2008 budget basis

Detailed Data 1 Accumulated number of Organ Transplantations

	Number of donors		Number of transplantations practiced		Patients on waiting lists
		Under brain death		Under brain death	
Heart	54	54	54	54	105
Lung	40	40	44	44	121
Liver	48	48	52	52	210
Kidney	942	62	1,733	121	11,507
Pancreas	49	47	49	47	149
Small intestine	3	3	3	3	2
Eyeball (cornea)	10,088	22	16,401	44	2,933

Source: Japan Organ Transplant Network, Japan Eye Bank Association
(Notes)

1. The figures for donors and transplantations practiced represent the cumulative total from October 16, 1997 (the day of the enforcement of the Organ Transplantation Law) to June 30, 2008 (May 31, 2008 for eyeball (cornea)). The figures for patients on waiting lists are as of June 30, 2008 (May 31, 2008 for eyeball (cornea)).
2. There have been 71 brain death tests conducted nationwide under the Organ Transplantation Law since the enforcement of the law to June 30, 2008. For the eighth case, the donor was determined legally brain dead, but the organ was not removed for medical reasons. Therefore the case is not included in the number of donors.

Detailed Data 2 Changes in Numbers of Hematopoietic Stem Cell Transplantation Practiced

	Donors		Number of Transplantations	
	Number of registered bone marrow donors	Number of cord blood made public	Bone marrow	Cord blood
FY 1992	19,829	-	8	-
FY 1993	46,224	-	112	-
FY 1994	62,482	-	231	-
FY 1995	71,174	-	358	-
FY 1996	81,922	-	363	1 (1)
FY 1997	94,822	-	405	19 (20)
FY 1998	114,354	-	482	77 (78)
FY 1999	127,556	-	588	114 (116)
FY 2000	135,873	4,343	716	169 (178)
FY 2001	152,339	8,384	749	220 (231)
FY 2002	168,413	13,431	739	296 (310)
FY 2003	186,153	18,424	737	693 (739)
FY 2004	204,710	21,335	851	676 (679)
FY 2005	242,858	24,309	908	657 (690)
FY 2006	276,847	26,816	963	731 (774)
FY 2007	306,397	29,197	1,027	760 (811)
Total	-	-	9,237	4,413 (4,627)

* Data related to cord blood stem from FY 1996 to FY 1998 represent the number of transplantations coordinated by cord blood banks before the establishment of the Japanese Cord Blood Bank Network.

* Figures in parentheses in the column of cord blood under the number of transplantations practiced represent the number of cells provided by banks.

Source: Japan Marrow Donor Program, Japanese Cord Blood Bank Network