Simultaneous Living Donor Transplant Tolerance Program Roadmap



Readiness

Once a living donor has been approved, the recipient is prepared for kidney transplantation.

Conditioning

The recipient is admitted 1 week before transplant to start medication and thymus irradiation to prepare for transplantation.

Transplant

An infusion of donor bone marrow or blood stem cells is combined with kidney transplantation to induce transplant tolerance.



After Transplant

Donor bone marrow or blood stem cells will expand in the recipient body for weeks to months after transplantation and then slowly disappear.



Tapering

Following a normal biopsy, gradual reduction of immunosuppressive medication begins and is completed 1 year after transplantation.

Monitoring

Biopsy of the transplanted kidney and blood tests performed 6 months post-transplant to monitor for rejection.

Maintenance

The recipient is on immunosuppressants to prevent rejection of the transplanted kidney.

The Legorreta Center for Clinical Transplant Tolerance (CCTT)



Tatsuo Kawai, MD, PhD Director

Our aim is to transform the lives of transplant patients by developing innovative care strategies that eliminate or minimize the need for lifelong immunosuppressive medications.



Scan to learn more

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