

SUPPLEMENTAL INFORMATION

SUPPLEMENTAL DIGITAL CONTENT (SDC)

ONLINE-ONLY PUBLICATION

Materials and Methods

Cohort

The waiting list cohort includes all candidates ever on the OPTN VCA waiting list between July 3, 2014 and December 31, 2021 (n=105), including candidates who were added to their hospital's waiting list before implementation of the OPTN VCA waiting list. Transplant data include all VCA transplants that occurred in the U.S. between July 3, 2014 and December 31, 2021, regardless of listing date (n=64).

Data Sources

This study used data from the Organ Procurement and Transplantation Network. The OPTN data system includes data on all donors, wait-listed candidates, and transplant recipients in the US, submitted by the members of the OPTN. The Health Resources and Services Administration (HRSA), U.S. Department of Health and Human Services provides oversight to the activities of the OPTN contractor. IRB exemption was obtained from the US Department of Health and Human Services Health Resources and Services Administration (HRSA).

VCA transplant programs submit waiting list data about their candidates to the OPTN on the VCA Candidate Registration Worksheet. These data include the type of VCA needed, blood type, histocompatibility data, demographic information, donor exclusion criteria, and donor acceptance information such as exact anatomic structures and skin tone needed. VCA transplant programs submit waiting list removal data on the VCA Candidate Removal Worksheet for both VCA transplant recipients and VCA candidates who are removed from the

waiting list without receiving a transplant. VCA transplant programs submit data about VCA recipients at the time of transplant on the OPTN Transplant Recipient Registration (TRR) form and at regular follow-up intervals (6 months post-transplant, then annually) on the OPTN Transplant Recipient Follow-up (TRF) form.

Analyses

Analyses on new additions to the waiting list use the date on which a candidate was added to the OPTN waiting list, with some candidates (n=6, including 3 bilateral upper limb, 2 face, and 1 scalp) waiting for a VCA at their transplant hospital before implementation of the OPTN VCA waiting list. Counts of VCA candidates on the waiting list by month include all candidates who were waiting on the OPTN VCA waiting list on the first day of each month between July 2014 and December 2021.