NATIONAL Sciences Engineering Medicine

PRINCIPLES AND FRAMEWORK TO GUIDE THE DEVELOPMENT OF PROTOCOLS AND STANDARD OPERATING PROCEDURES FOR FACE AND HAND TRANSPLANTS: WEBINAR #2 (APRIL 17, 2024)

Public Understanding and the Policy Environment of VCAs

Richard Hasz,

President & CEO, Gift of Life Donor Program



Disclosures

• I have nothing to disclose





Gift of Life Donor Program

Philadelphia, Pennsylvania USA



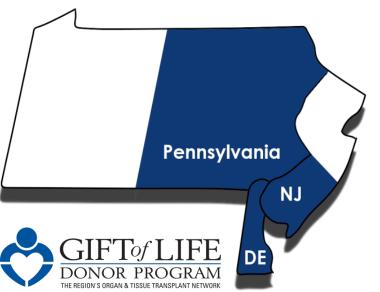






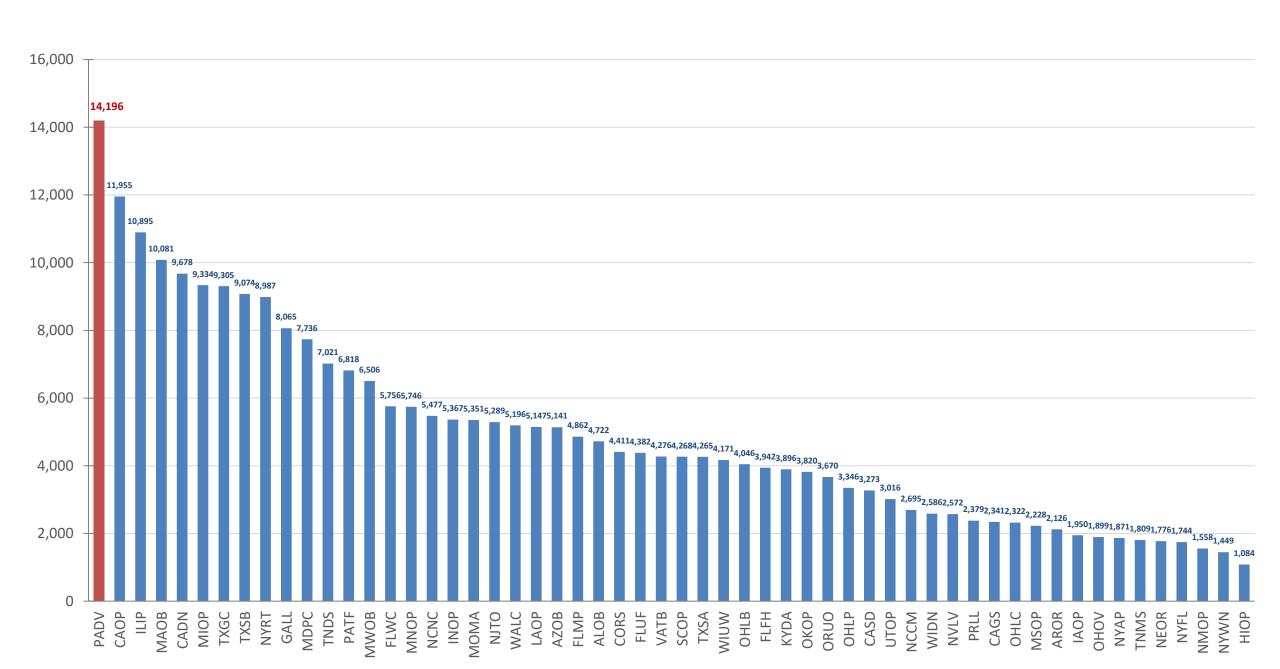




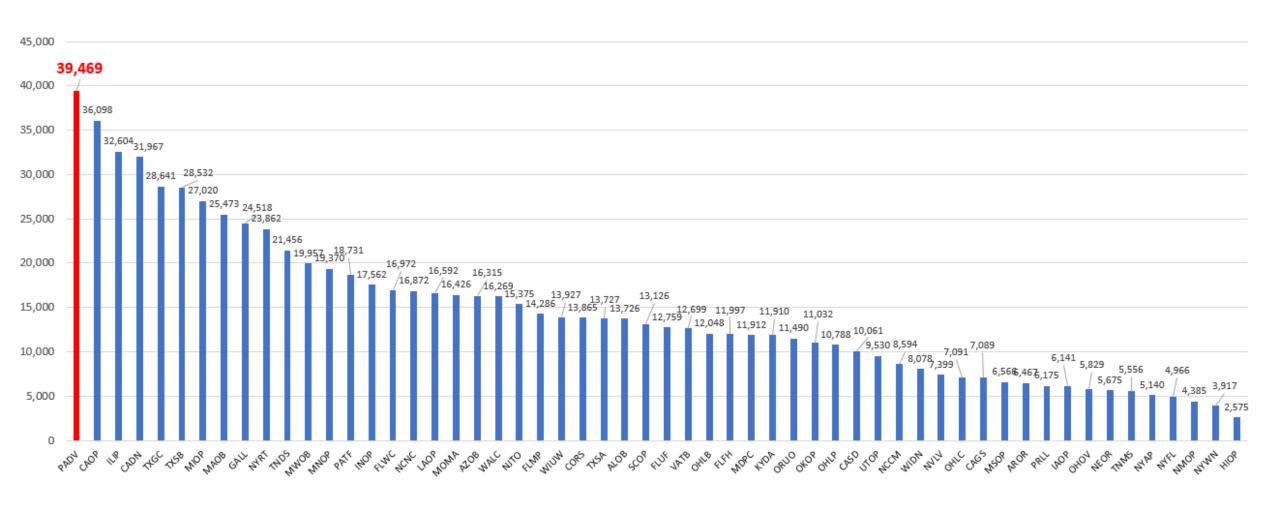


- Non-Profit OPO/Tissue Recovery/Eye Bank
- Established in 1974
- Federally designated OPO (Medicare) for eastern PA,
 Southern NJ & Delaware
 - 126 Acute Care Hospitals
 - 12 Transplant Centers, 35 Programs
 - 11.3 Million Population
- 693 organ donors in 2023, resulting in 1,734 organ transplants (61 donors/MM and 153 transplants/MM); 2,665 tissue donors, including 1,433 musculoskeletal donors and 2,278 cornea donors
- More than 61,000 organs coordinated for transplantation and over 2,000,000 tissue allografts

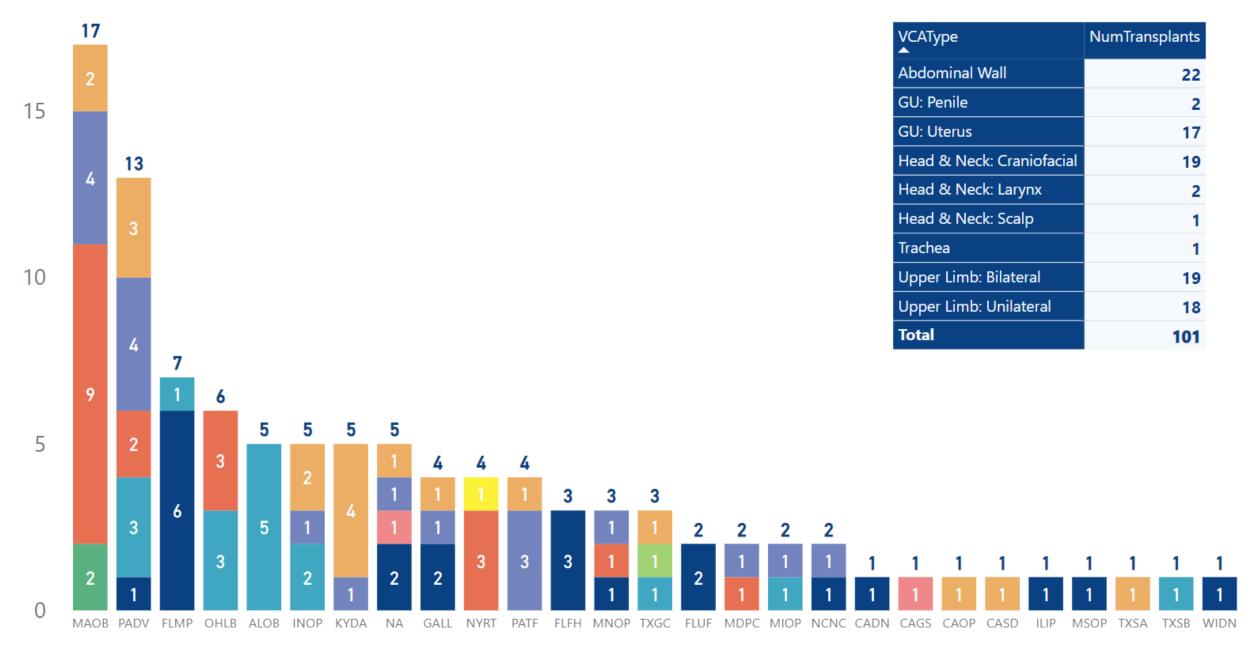
Total Deceased Organ Donors by 56 U.S. OPOs for Years 1988 to 2023 – UNOS data



Total Organs Transplanted by 56 U.S. OPOs for Years 1988 to 2023 – UNOS data



VCA Type ● Abdominal Wall ● GU: Penile ● GU: Uterus ● Head & Neck: Craniofacial ● Head & Neck: Larynx ● Head & Neck: Scalp ● Trachea ● Upper Limb: Bilateral ● Upper Limb: Unilateral



The Philadelphia Inquirer



World's first pediatric double-hand transplant performed at The Children's Hospital of Philadelphia July 2015



Quadruple Amputee Gets Two New Hands on Life

Lindsay Ess, 29, lost her limbs to an infection five years ago.

By ABC News January 3, 2013, 4:34 PM

and in another Dut linder. For

Jan. 4, 2013 -- It's the simplest thing, the grasp of one hand in another. But Lindsay Ess will never see it that way, because her hands once belonged to someone else.

Growing up in Texas and Virginia, Lindsay, 29, was always one of the pretty girls. She went to college, did some modeling and started building a career in fashion, with an eye on producing fashion shows.

Then she lost her hands and feet.

When she was 24 years old, Lindsay had just graduated from Virginia Commonwealth University's well-regarded fashion program when she developed a blockage in her small intestine from Crohn's Disease. After having surgery to correct the problem, an infection took over and shut down her entire body. To save her life, doctors put her in a medically-induced coma. When she came out of the coma a month later, still in a haze, Lindsay said she knew something was wrong with her hands and feet.

Lindsay Ess' Story: From Quadruple Amputee to Hand Transplant Recipient to CrossFit Competitor

Lindsay Ess, 32, went from losing all four limbs to being a CrossFit competitor.

By ABC News







He's the First African American to Receive a Face Transplant. His Story Could Change Health Care

July 2019 - Robert Chelsea received his transplant from a GLDP donor





NYULangone NewsHub Filter News by Category V Search News Q

COMPLEX CASES, INNOVATION, PRESS RELEASES | FEBRUARY 3, 2021

NYU Langone Health Performs World's First Successful Face & Double Hand Transplant





After receiving a face and double hand transplant—the first successful case of its kind in the world—Joe DiMeo is working hard to get back to the activities of everyday life he enjoyed before his accident.

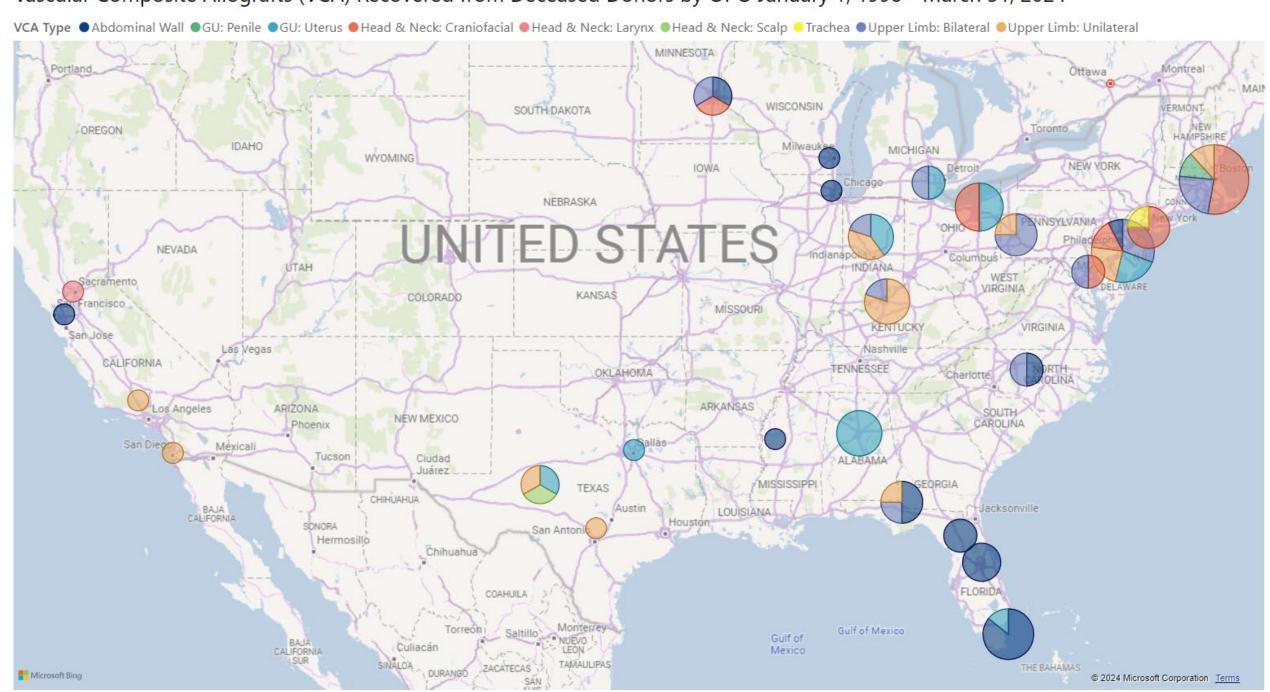


World's first face and hands transplant gives New Jersey man a second chance at life

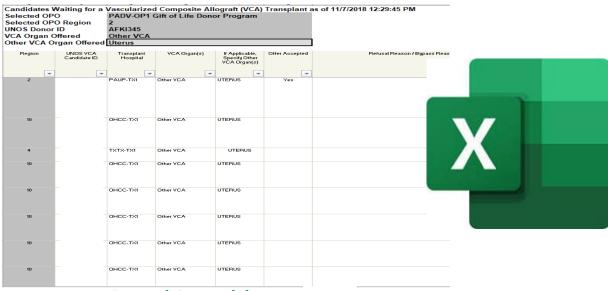
By Evan Simko-Bednarski, CNN

⊕ 4 minute read · Updated 6:42 PM EST, Wed February 3, 2021

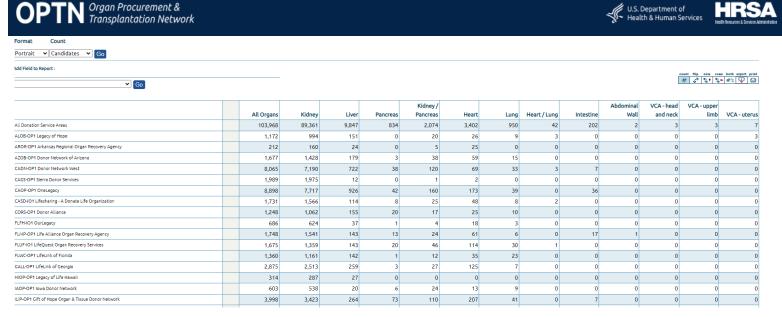
Vascular Composite Allografts (VCA) Recovered from Deceased Donors by OPO January 1, 1998 - March 31, 2024



Tracking the Wait List: Early Days vs. Now



MS Excel Spreadsheets



Electronic Database

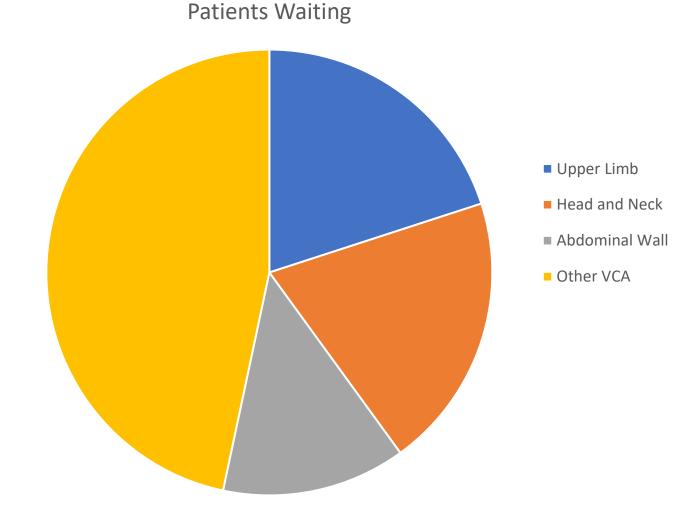
UNOS National List (as of 4/12/2024)

Upper Limb (3)

Head and Neck (3)

Abdominal Wall (2)

Uterus (7)







Articl

Availability of Deceased Donors for Uterus Transplantation in the United States: Perception vs. Reality

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Abstract: Uterus transplantation (UTx) is a rapidly evolving treatment for uterine factor infertility. New centers offering this treatment must decide whether to utilize living donors, deceased donors, or both. Although limiting UTx to deceased donors eliminates the surgical risks for living donors, an adequate supply of suitable deceased uterus donors in the United States is an emerging concern. Previous studies describing the paucity of deceased uterus donors failed to consider key donor characteristics, potentially overestimating the available organ pool. To estimate the United States' supply of deceased donor uteri; we extrapolated detailed clinical and demographic information from the regional donor datasets available from three organ procurement organizations to the national Organ Procurement and Transplantation Network donor pool. We estimate there are approximately 3700 possible and 400 optimal uterus donors annually in the United States. Given these projections and the number of women with uterine factor infertility in the U.S. who pursue parenthood through alternative strategies, we conclude that, as uterus transplant transitions from research to established clinical care, demand could quickly exceed the deceased donor supply. The liberalization of deceased donor selection criteria may be insufficient to address this imbalance; therefore, fulfilling the anticipated increased demand for uterus transplantation may require and justify greater use of living donors.

Keywords: uterus transplant; deceased donor; living donor; donor availability



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Kalra, S.; Falcone, T.; Flyckt, R.; Latif,

Donors for Uterus Transplantation in

Reality. Transplantology 2024, 5, 27-36.

N.; et al. Availability of Deceased

the United States: Perception vs.

https://doi.org/10.3390/

transplantology5010003

Academic Editor: Iori Kisu

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1 Introduction

Uterus transplantation (UTx) is a rapidly evolving treatment option for individuals with uterine factor infertility (UFI). The first successful surgical transplantation of a deceased uterus to a recipient was performed in Turkey in 2011, although the first live birth from a UTx occurred in 2014 from a living donor in Sweden and in 2017 from a deceased donor in Brazil [1–4]. Following early feasibility studies, there have been over 37 uterus transplants and 25 live births since 2016 in the United States (US) alone [5–7]. There have also been 45 additional uterus transplants performed, with 19 associated live births, recorded in the first report of the Registry of the International Society of Uterus



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GLDP Experience





Keeping all staff educated on VCA donation

Staff competency with VCA authorization

Lack of consistency in screening = missed opportunities

VCA List not specific to donor

Transplant centers unfamiliarity with VCA recovery



The Role of OPOs

Identification of Potential VCA Donors Donor Family Communication and Support Authorization for VCA Donation Communication with VCA Transplant Programs Medical Examiner and Funeral Home Communication Care Team and OR Staff Communication **Recovery Coordination** Follow-up Letters through Family Services

Every Donor, Every Time



Quality control checks in place to ensure that every donor is screened for VCA

Documentation of the review of the VCA list as well as any offers made and outcomes of the offers

Electronic record will not pass pre-OR QC check without this documentation

Weekly Organ Utilization Review

Staff follow-up provided with any missed opportunities



GIFT OF LIFE DONOR PROGRAM

TITLE: Vascularized Composite Transplant Coordination and Recovery

Document:	Revision
CS-02-040	1 Effective 1

. Scope

- Gift of Life Donor Program will establish and Vascularized Composite Allograft (VCA) dor grafts, which is consistent with accepted solid Transplantation Network (OPTN) requiremen
- 1.2. The purpose of this procedure is to outline rec procurement and roles and responsibilities for recovering VCA Transplant Program.

2. <u>Definitions</u>

- 2.1. <u>UNOS</u> United Network for Organ Sharing
- 2.2. <u>VCA</u> Vascularized Composite Allograft

Responsibility

3.1. VCA Transplant Program and Procurement T Coordinators (TC), Organ Administrator on C Transplant Information Center (TIC), GLDP I

4. Related documents, Materials, or Equipment

- 4.1. CR-05-001, "Packaging of Recovered Organs
- 4.2. CR-06-001, "Labeling Process for Organ Dor
- 4.3. CS-02-002.1, "Medical History and Behavior
- 4.4. CS-02-002.1, Addendum 3, Uterine Transplat Assessment Ouestionnaire"
- 4.5. CS-02-012, "Packaging, Labeling and Transp Transplantation"
- CS-02-030.1, "Operating Room Organ and Ti
- 4.7. CS-02-031, "Authorization and Disclosure fo
- 4.8. CS-02-040.1, "VCA Intraoperative Document
- 4.9. CS-02-040 Attachment 1, "Supplemental Au
- 4.7 TC-JOB-002, "VCA Transplant Checklist"
- 4.8 TIC-JOB-008, "TIC VCA Checklist"

Donor Selection Criteria:

- 5.1. The VCA Transplant Program will maintain t candidates, which include:
 - 5.1.1. Deceased donors based on neurologic
 - 5.1.2. Height and weight compatibility with



TC-JOB-002 Rev 1 Eff 11/10/2017

401 North 3rd Street Philadelphia, PA 19123 215.557.8090

VCA TRANSPLANT CHECKLIST

		Pre-Operative			
Donor:UNOS ID: GRAFT: GRAFT: Facial Hand/Arm					
	Completing TC:	Date:	Uterus □ Penis		
	Identify Potential VCA Donor; Brain Dear	d Donor Who Meets Prelim	inary Tissue Screening Criteria		
	Review VCA Candidate List **Filtered for				
	Review Donor Acceptance and Exclusiona				
			eon to Determine Interest for Their Recipient		
	□ VCA Authorization Addendum □ ME/0				
	Meets Tissue Donor Criteria. Screened Wi				
	Complete Donor Evaluation With VCA Sur		,		
	Name/Transplant Center and Cont	tact Info			
	□ Review of All Available Donor Info	rmation Including Medical/9	Social History and Current Admission Course		
			☐ Physical Assessment Findings		
	 Images or XR of Graft 	s as Requested Review	Required Vasculature Needs		
			splant Center HLA Lab for Cross-Match		
			Sypass/Refusal) for Patients p/t Accepting Center		
	Meet With Hospital Operating Room Staff		ery		
	Review Equipment Needs With Recovery				
			ce Call Organized by GLDP w All Surgeons		
	Transportation Arrangements Completed				
	Prepare Donor For Recovery – Move H				
	One (1) Red Top And Two (2) Yellow Top		he Time Of Recovery		
	On word of the TO	Intra-Operative	Deter		
	Completing TC:		Date:		
	VCA Recovery Team to Review Donor Info		n Acceptance of Graft		
	Complete VCA Intraoperative Documentati				
	Confirm Presence Of Prosthetic If Applicate	ole			
	Review And Confirm Label Information		A L		
	Facial Recovery To Occur Prior To Solid				
	Facial Recovery Team Will Recove Control Recove				
	VCA Team to Sew on Prosthetic a Vand/Arm Resource To Cookin After Solid				
	Position Hand/Arm Donor With Arr		X-Clamp, AFTER Administration of Heparin		
	Test Pneumatic Cuff/Tourniquet S				
			ice Cannulas Until After Hand Recovery		
	Uterus Recovery Dissection to Occur After				
	Pelvic Exam to be Completed p/t S	•	, recovery to occur rater cond organ		
	Penis Recovery To Occur Prior To Solid 0		Administration of Heparin		
	VCA Team Responsible for Closin				
			nous Veins After Solid Organ Recovery		
	Post Recovery Tissue Pack To Include No				
	Place Recovery Operative Note in The Doi				
	MDJH Recipients - Vertebral Bodies Reco				
	***When Vertebral Bodies are Recover				



Policy & Checklists

vasc	ularized Compo	Site Allog	grant ii	itraoperative	Documentat	1011
Donor:				UNOS I	D:	
ABO, Labeling and Documentation- Verification						
We verify that the donor ABO : is identical to and/or compatible with the recipient ABO						
	GLDP staff initials		Trar	nsplant Center/Out	side OPO staff i	nitials
We verify the accu	uracy of the UNOS II	O# on the lab	els and p	oackaging and we	verify the integri	ty and contents
	of the container prior	to transport o	of the Va	scularized Compo	site Allografts.	
	_ GLDP staff initials		Trai	nsplant Center/Ou	tside OPO staff i	nitials
We verify the accu	racy of the internal a	nd external l	JNOS or	gan labels, as wel	l as the VCA gra	ft destination as
		entered	into Tra	nsnet.		
	_ GLDP staff initials		Trai	nsplant Center/Ou	tside OPO staff i	nitials
	Vascula	rized Cor	mposit	e Allograft Da	ata	
⊓Hepai	rin Administration					very)
Graft Type: Faci	al Graft 🛮 Forearm	Graft (Lor R) 🗆 Let	ft Arm ☐ Right Ar	m □ Penis □	Uterus
Incision Date/Time	Recovered Date/Time	Back table Date/Ti	Flush	Preservation Solution	Flush Volume (mls)	Storage Volume (mls)
Solution Manufactu	ırer:		Lot#:	•	Exp Date:	
Graft Description (s	size, area, anatomy):					
Anatomical abnorm	nality 🗆 Yes 🗆 No		Surgica	I damage	□ No	
Recovery Surgeo	on:		Transplant Program:			
Graft Type: Faci	al Graft 🛮 Forearm	Graft (Lor R) 🗆 Let	ft Arm Right Ar	m Penis [Uterus
Incision Date/Time	Recovered Date/Time	Back table Date/Ti		Preservation Solution	Flush Volume (mls)	Storage Volume (mls)
Solution Manufactu	ırer:		Lot#:		Exp Date:	
Graft Description (size, area, anatomy):						
Anatomical abnormality ☐ Yes ☐ No			Surgical damage ☐ Yes ☐ No			
Recovery Surgeon:			Transplant Program:			
Additional Comme	nts:					

Gift of Life Donor Program CS-02-040.1 Rev 1 Effective 11-1-17 401 N 3rd Street, Philadelphia, PA 19123

UNOS Policy – Authorization for VCA

2.14.E Deceased Donor Authorization Requirement

The host OPO may only recover organs that it has received authorization to recover. An authorized organ should be recovered if it is transplantable, or a potential transplant recipient is identified for the organ. If an authorized organ is not recovered, the host OPO must document the specific reason for non-recovery.

Extra vessels may only be recovered with at least one organ. To recover and use extra vessels in an organ transplant, the deceased donor authorization forms must include language indicating that the extra vessels will be used for transplant.

Recovery of covered VCAs for transplant must be specifically authorized from individuals authorizing donation, whether that be the donor or a surrogate donation decision-maker consistent with applicable state law. The specific authorization for covered VCAs must be documented by the host OPO.

VCA Authorization

List reviewed and VCA offers made PRIOR to family approach

Donor family is approached only **AFTER** VCA team has expressed intent to accept graft

Approaches made to families who have already expressed support of donation

Authorization Form

SUPPLEMENTAL AUTHORIZATION FOR VASCULARIZED COMPOSITE ALLOGRAFT DONATION The following authorization is made in conjunction with the attached Authorization or Disclosure for Organ and/or Tissue Donation form and incorporates all authorizations and disclosures made therein. , being the _____ and authorized Next of Kin of ____ (Printed Name of Donor) donation of the following Vascularized Composite Allograft(s) (VCA) to Gift of Life Donor Program (GLDP) for the purposes of Right Hand and Arm Yes

No

N/A Left Hand and Arm Yes □ No □ N/A □ Facial and Forearm Yes No N/A Uterus Yes No N/A Penis Yes No N/A I understand that the recovery of the facial graft will involve the removal of the face which may include skin/mucosa, underlying muscles, nerves and bone, blood vessels and fat tissue of the nose, lips and surrounding cheek. The facial graft may be small or may be a significant portion of the donor's facial tissue depending on the need of the individual recipient. I understand that the forearm graft will include skin, the radial artery and vein and some fat tissue located under the skin. This graft will be recovered from the palm side of the forearm just above the crease of the wrist. This will be used as a biopsy site to test for rejection of the facial graft. I understand that the recovery of the hand and arm grafts will involve the removal of the hand and arm above or below the elbow and below the shoulder and include skin, underlying muscles and nerves, blood vessels and bone. The length of the graft will vary depending on the need of the individual recipient. I understand that the recovery of the uterus graft will include the recovery of associated blood vessels as well as the cervix and portion of the vagina. The ovaries may be recovered for the purposes of included vasculature to support the transplantation but will not be transplanted into the recipient with the uterus graft. I understand that the penis graft will include the penis shaft, blood vessels, nerves and surrounding skin and muscle tissue from the pelvic area surrounding the penis. Skin from the scrotum may also be recovered. The reproductive tissue, ie. the testes and sperm, will not be removed. I understand that this I understand that this donation will alter the appearance of the affected area on the donor and that reconstruction will occur with the use of surroundin the use of surrounding skin tissue for wound closure. When applicable, prosthetics will be attached for the purposes of minimizing changes t minimizing changes to the outward appearance of the donor's body. I understand that despite this, there will be changes to the donor's appearance. donor's appearance. I understand that this for research, training I understand GLDP and/or other involved agencies may record and use images (e.g. pictures and/or video) of the gifts and the recovery process which do not disclose the donor's identity. I consent to the use of such images by GLDP and/or other involved agencies to I understand that GLDP will not make public any information concerning the identity of the donor or donor family without my I understand that GL consent. However, I understand that due to the unique nature of vascular composite allograft transplantation, the recipient consent. However, I may receive significant media attention and that despite the best efforts of GLDP, the identities of the donor, donor family may receive significa and/or recipient may and/or recipient may become known. have answered any questions and that I fully understand this document I consent to the donation as described above. Signature of the Next of Kin: (Printed name of GLDP representative) Witnessed by: _ (Printed name & title of hospital representative) Date & Time of Authorization: □Check Box if telephonic authorization completed and

recording of authorization obtained; Print name(s) of Next-of-Kin



401 North 3rd Street, Philadelphia, PA 19123, 800- DONORS-1 CS-02-040 Att 1 Eff 11-1-17

GLDP Family Communication & Authorization Practices

Supplemental Authorization

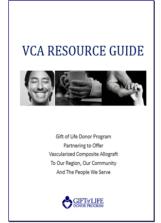
- Supplemental Authorization for VCA
 Donation obtained AFTER initial acceptance
 of donor from VCA team
- Family made aware that further testing is still pending and may affect the ability for donation to move forward
- Authorization includes awareness of unique nature of VCA transplantation and potential for recipient media attention

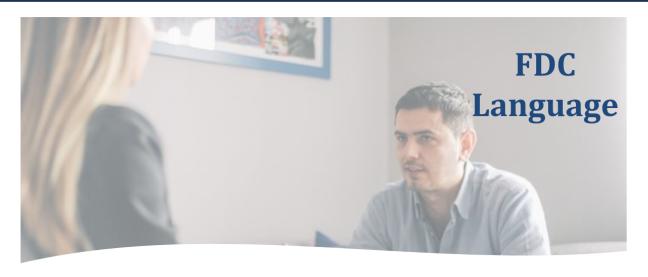
See VCA Resource Guide for descriptive sentences that can help with family communication located on

the Clinical Infozone > Inter-Departmental Tools and

Resources > Clinical Tools

Clinical Infozône





"Thank you so much for your generous gifts. I want to share with you that Sam and your family may also have the *extraordinary and powerful* opportunity to impact the life of someone through the gift of a hand transplant. Most of us cannot imagine what it might be like to suffer an injury that would claim one or both of our hands. Often, amputees share that their prosthetics can cause discomfort because of poor fit—often feeling bulky and awkward. The gift of a hand transplant is the hope of independence to care for themselves or hold a loved one, and so much more."

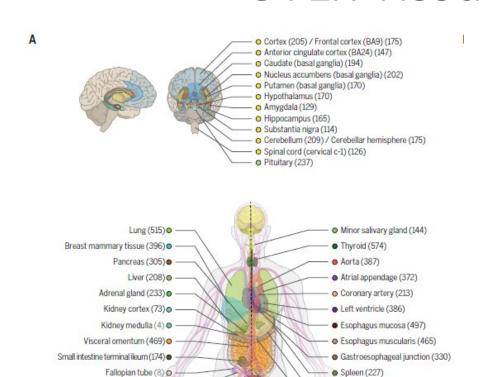
Donor Prosthetics







GTEx Tissue Collection



O Stomach (324)

Bladder (21)

Prostate (221)
 Testis (322)

Whole blood (670)

Tibial artery (584)

Tibial nerve (532)

EBV-transformed lymphocytes (147)

Transverse colon (368)

O Sigmoid colon (318)

Ovary (167) o

Uterus (129) •

Endocervix (10) @

Ectocervix (9) o

Vagina (141)

Not sun-exposed skin (suprapubic) (517) 4

Sun-exposed skin (lower leg) (605)

Cultured fibroblasts (483)

Skeletal muscle (706) @

Subcutaneous adipose (581)

GTEx collection approach yielded an extensive data set of RNA to evaluate how gene expression is regulated in different tissue and cell types

Project Gains:

- Development of standardized tissue collection methods for DNA and RNA analyses
- Biospecimen processing advances for RNA analysis
- Tools for the research community to analyze gene activity
 - PrediXcan statistical method
 - GTEx Portal access to the reference data set

Data from GTEx Consortium. The GTEx Consortium atlas of genetic regulatory effects across human tissues. Science 2020 September: 369:1318-1330.



dGTEx Authorization

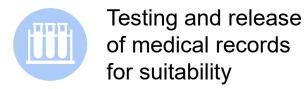


For telephonic autho	For telephonic authorization, please have the authorizing person verbalize the following:					
ī	, being the	of				
(print name of authorizing person)		°	(print name of donor)			

authorize Gift of Life Donor Program and NDRI for the donation of the tissue types and associated connective tissue indicated below. Please state yes or no to each:

Stomach and digestive tract	□Yes □No	Whole brain	□Yes □No
Muscles	□Yes □No	Whole heart with associated vessels	□Yes □No
Neurological tissue	□Yes □No	Whole lungs with airways	□Yes □No
Adipose (fat)	□Yes □No	Pancreas	□Yes □No
Skin	□Yes □No	Reproductive tissue	□Yes □No
Blood	□Yes □No	Spleen and lymph nodes	□Yes □No
Liver	□Yes □No	Aorta	□Yes □No
Kidney	□Yes □No	Endocrine glands	□Yes □No

Neurological tissue	□Yes □No	Whole lungs with airways	□Yes □No
Adipose (fat)	□Yes □No	Pancreas	□Yes □No
Skin	$\square Yes \square No$	Reproductive tissue	□Yes □No
Blood	$\square Yes \square No$	Spleen and lymph nodes	□Yes □No
Liver	$\square Yes \square No$	Aorta	□Yes □No
Kidney	$\square Yes \square No$	Endocrine glands	□Yes □No



I authorize the performance of all necessary tests and procedures. This may include testing for HIV and viral hepatitis to determine medical suitability of the tissues for research purposes. I authorize the release and copy of any medical information, including medical and social history, and hospital records to NDRI to determine tissue suitability for medical research. I understand that some tissue may be found unsuitable for use in the project, and that in such an event the tissue samples would be disposed of.



Tissue list

Recovery Plans

Upper Extremity

• Immediately prior to X-Clamp, after solid organ dissection complete

Facial Recovery

- Completed prior to solid organ recovery
 - *Solid organ teams required to be present to preserve donation opportunity

Uterus Recovery

 Additional dissection in the warm. Uterus flushed via femoral or iliac cannulation. Recovered after solid organs, prior to vessels.

Penis Recovery

- Completed prior to solid organ recovery
 - *Solid organ teams required to be present to preserve donation opportunity

VCA Recovery

Recovery plan must be reviewed and approved prior to the OR

held with ALL Recovery Teams

In the event of instability, the **solid organ recovery** will **ALWAYS** take precedence over the VCA recovery



Multi-OPO & Transplant Center Collaboration

GLDP case involving travel across multiple states, 2 OPOs involved







Three-quarters of this 20-year-old's body burned in a car wreck. His recovery has just begun.

Updated Jan 24, 2019; Posted Jan 24, 2019



Joseph DiMeo, 20, was at Saint Barnabas Medical Center in Livingston after he suffered third degree burns on over 75 percent of his body. (Courtesy DiMeo family)

Bilateral Hand/Face Transplant





Didactics for new staff: process and family communication

Ongoing education for existing staff

Email updates about VCA needs

Review of donor cases in real time to facilitate VCA screen

Stress importance of being proactive with VCA screen and allocation, happening as soon as a case begins to avoid delays

Resources

VCA RESOURCE GUIDE







Gift of Life Donor Program
Partnering to Offer
Vascularized Composite Allograft
To Our Region, Our Community
And the People We Serve



Hand/Upper Extremity Recovery Quick Reference Guide

Pre-OR

- Utilize VCA Transplant Checklist (TC-JOB-002) and VCA Intraoperation (CS-02-040.1)
- Always review recovery plan and any additional equipment needs v team prior to the OR.
- Prior to the OR, remove all nail polish or jewelry from the hand/arr
- Remove any IV lines from the arm(s) to be recovered.
- Ensure A-line has been moved to the opposite arm or placed femore recovery

OR

- ☐ Patient is prepped and draped for arm recovery at same time as so
- Position patient with arm(s) to be recovered at 90-degrees abduction
- Place pneumatic cuffs on arm(s) and test the tourniquet system, but remain inflated at this time.
- Allow for solid organ teams to perform all dissection necessary to perform all dissection necessary to perform the preparation and/or placement of cannulas.
- If both hands/arms are being recovered, and patient has a femoral cannulas until after the upper extremity recovery, so we don't lose monitoring.
- Administer HEPARIN and allow to circulate for 5mins p/t inflation of
- Recovery team will perform the recovery of the hand/arm(s) recobut typically takes ~15-45mins. Once the hands/arms are recovered will move to cross-clamp.
- If recovery time is extended review with AOC for potential need to I
- Pneumatic cuffs will remain inflated until the organ recovery is com

Post Recovery

 If discussed and requested by family, update funeral home on wha prosthetics placed, and dressings to be expected

** In the event of instability, VCA recovery will be aborted to preserve so

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Uterus Recovery Quick Reference Guide

Utilize VCA Transplant Checklist (TC-JOB-002) and VCA Intraoperative Doc

Always review recovery plan and any additional equipment needs with the V

Pr

In the OR

1. Uterus recovery team:

- Will perform a vaginal exam in the OR prior to the start of recovery.
- May request patient be positioned on a lithotomy table for may just utilize available staff to manually position patient
- Will extend the midline abdominal incision to also include abdominal incision for access to the uterus.
- d. Will scrub in with the solid organ teams, but then will need "2hrs of dissection time prior to X-clamp.

2. Uterus and Organ Flushing

- The uterus and solid organ flushes will occur simultaneousli use bilateral femoral cannulas that will also provide the aor isolated flush via the illacs.
- When using femoral cannulas, a bock-up, contic connulo m and ready, in the event the femoral flushes are not creating to the abdominal organs.

3. Recovery Order

 The uterus will be recovered after all of the solid organs he removed from the body, <u>AND BEFORE</u> vessels, nodes and a recovered.

** In the event of instability, VCA recovery will be aborted to preserve:

Face Recovery Quick Reference Guide

Pre OR

- 1. Utilize VCA Transplant Checklist (TC-JOB-002) and VCA Intraoperative Documentation (CS-02-040.1).
- 2. Always review recovery plan and additional equipment needs with VCA recovery team prior to OR.
- 3. Give the standard doses of Ancef and Solumedrol in the ICU 1hr prior to OR.
- 4. ALL organ recovery teams must arrive on site prior to moving patient to OR.
 - a. Any deviation from that plan must be discussed with the AOC.
 - You may need to find somewhere in the OR for the teams to rest depending on time of day and length of facial graft recovery.

OR

- 1. Face recovery occurs BEFORE solid organ recovery begins.
 - a. Recovery time "4-8 hours (depending on extent of graft)
- 2. Reverse OR table to position patient with feet at anesthesia.
 - Patient will be turned and re-prepped for the solid organ recovery.

3 Mark

- a. No HEPARIN administration before face recovery.
- b. No neuro muscular blockade.
- c. If Vasopressin is running, it can be continued until 1hr p/t start of solid organ recovery.
- Mannitol/Lasix will Not be administered until solid organ recovery begins.
- e. Administer Ancef q8hrs and Solumedrol q6hrs after pre-op doses.
- 4. For extended recoveries continue to monitor ABGs and labs as needed.
- 5. Facial recovery team is responsible for securing the ETT for during and after facial graft recovery.

Post Recovery

- 1. Recovery team will cover the graft site with silicone mask and secure dressing.
- If requested, the facial recovery team may recover a 3cm x 6cm patch from the donor's forearm and are responsible for dressing the site.

** In the event of instability, VCA recovery will be aborted to preserve solid organ recovery**





Е

VCA "Champion" Coordinator

Tasked with overseeing the VCA program



Involved in the creation of policies and procedures as well as checklists to streamline the VCA process



Provides VCA-related training



Acts as a VCA resource and supports the team as needed (via phone and on site) through screening, allocation, authorization, and OR





Collaborates with local VCA transplant centers



There is nothing more powerful than the human spirit and our individual ability to help... to heal... to provide hope.



THANK YOU









