



# Scripps Health/Scripps Clinic Bio-Repository and Bio-Informatics Core Monthly Report

02/2023

## ***Specimen Collection***

Total Aliquots: **43,871 (in physical inventory)**

Aliquots added in January: **518**

Total Samples: **20,831 (in physical inventory)**

Samples added in January: **221**

Specimens (aliquots) Released for Research in February: **181**

Total Specimens Released for Research: **8,303**

New Contributing Sources: **0**

Total Contributing MD Sources/locations: **23**

## ***Participants***

BR Consented: **2,312**

New Consents in February: **20**

Non-Consented Contributors (inherited studies/remnant specimens): **8,829**

## ***COVID-19***

COVID+ Patients: **2,730** (107 BR Consented, 2,623 from remnant clinical specimens)

Total COVID+ Aliquots (historical/in inventory): **5,710/1,264**

Aliquots added in February: **42**

Samples added in February: **42**

## ***FLU/RSV***

Flu A+: **507**

Flu B+: **2**

RSV+: **57**

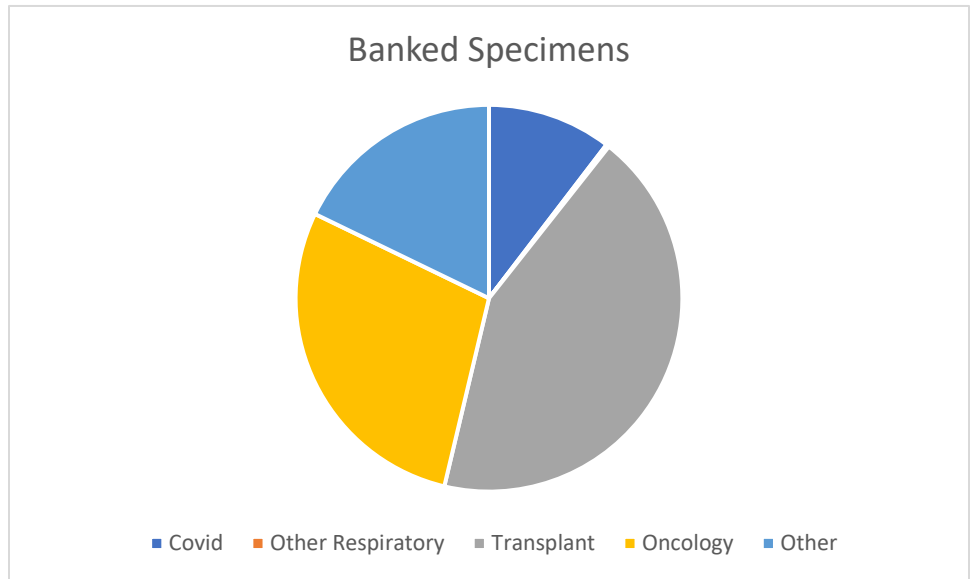
## ***Normal Samples***

Apparently Healthy Donors (Consented): **125**  
Participants added in February: **0**  
Apparently Healthy Donors (Remnant): **427**  
Remnant AHD Specimens added in February: **113**

### **Primary Diagnosis Breakdown**

#### **Specimens added to Inventory.**

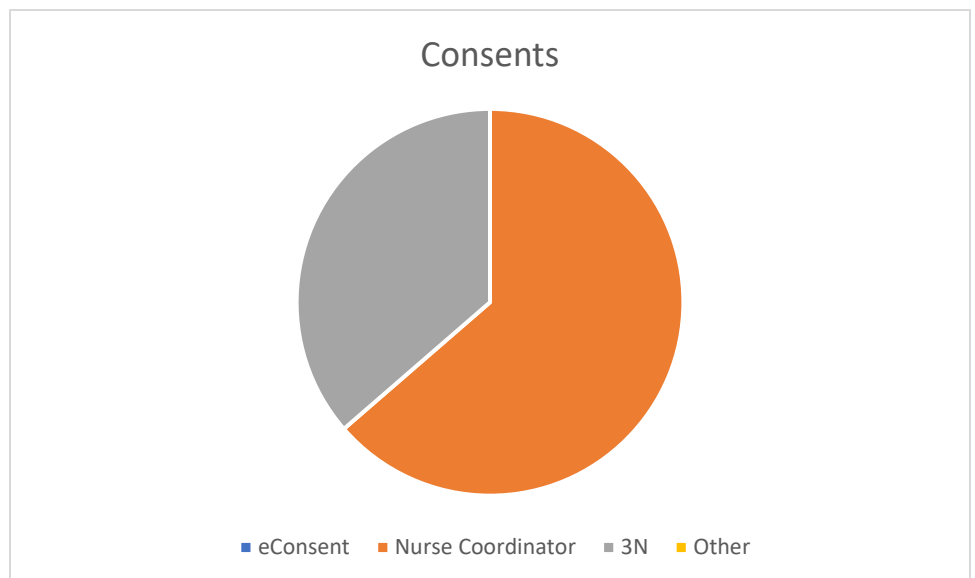
Covid: 42  
Other Respiratory: 1  
Transplant: 174  
Oncology: 115  
Other: 72



#### **New Consents:**

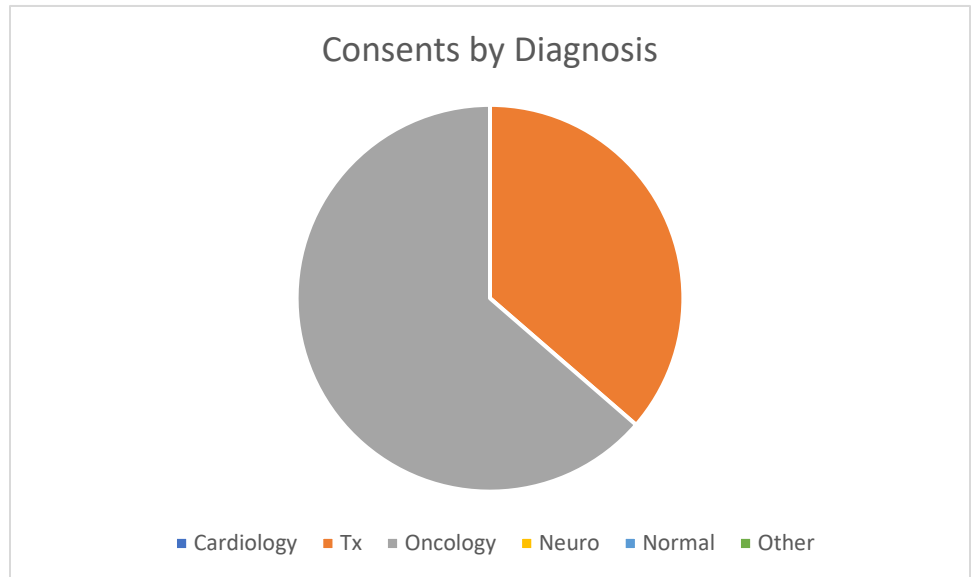
##### *By Department*

e-Consent (Biorepository): 0  
Oncology (Nurse Coordinator): 7  
3 North: 4  
Other: 0



### By Diagnosis

Oncology: 7  
Transplant: 4  
Cardiology: 0  
Neuro: 0  
Other: 0



### Bio-Specimen Requests

Pending Requests: **4**

Requests Approved by the Oversight Committee in February: **0**

Recently Approved Requests:

- **Rachel Jianto (Hologic):** Remnant standard of care Covid/Flu/RSV swabs for development of diagnostic assay
- **Steve Kleiboeker (Eurofins):** Evaluate the diagnostic and prognostic performance of methylated host cell-free DNA quantification for respiratory viral disease outcomes
- **Sasi Mudumba (Genalyte):** Maverick test panel development
- **Florence Lee (Truvian Health):** development of a machine learning algorithm for automated image analysis
- **Jarrod Provins (LumiraDx):** Development, evaluation and validation of respiratory tests for Flu/Covid

### Recent Publications (From SCBBC Staff & Investigators Utilizing the SCBBC)

1. Roseberry K, Le-Niculescu H, Levey DF, Bhagar R, Soe K, Rogers J, Palkowitz S, Pina N, Anastasiadis WA, Gill SS, **Kurian SM**, Shekhar A, Niculescu AB. Towards precision medicine for anxiety disorders: objective assessment, risk prediction, pharmacogenomics, and repurposed drugs. Mol Psychiatry. 2023 Mar 7. doi: 10.1038/s41380-023-01998-0. Online ahead of print. PMID: 36878964
2. **Kurian, Sunil M. PhD**1,2; Stewart, Darren E. MS3; Toll, Alice MS3; Checchi, Kyle MD1; Case, Jamie PhD1,2; **Marsh, Christopher L. MD**1,2. Renal Function at Discharge Among Kidney Recipients Experiencing Delayed Graft Function and Its Associations With Long-term Outcomes. Transplantation Direct: December 2022 - Volume 8 - Issue 12 - p e1414doi: 10.1097/TXD.0000000000001414
3. **Kurian, SM** and Friedewald JJ. Comparing Plasma Donor-Derived Cell-Free DNA to Indication Kidney Biopsy Tissue Gene

Expression - Towards Understanding the Molecular Equivalents of Non-Invasive Tests. JASN Editorial. In Press.

4. Sean E. DeWolf, Sashi G. Kasimsetty, Alana A. Hawkes, Lisa M. Stocks, **Sunil M. Kurian, Dianne B. McKay**, DAMPs Released From Injured Renal Tubular Epithelial Cells Activate Innate Immune Signals in Healthy Renal Tubular Epithelial Cells. Transplantation. In Press.
5. Park S, MD; Guo K; Heilman R, MD; Poggio E, MD; Taber D, PharmD, MS; **Marsh C, MD; Kurian S, PhD**; Kleiboeker S, PhD; Weems J, PhD; Holman J, MD, PhD; Zhao L, PhD; Sinha R, PhD; Brietigam S, BA, CCRC, CAPM; Rebello C; Abecassis M, MD, MBA; Friedewald J, MD. Combining Blood Gene Expression and Cell-Free DNA to Diagnose Subclinical Rejection in Kidney Transplant Recipients **Clinical Journal of the American Society of Nephrology**, August 2021.