

# 15Mount Sinai Allograft Technologies Profile

Updated June 2023

Operation		
Tissue Bank Name	Mount Sinai Allograft Technologies (MSAT)	
Tissue Bank Function	<ul style="list-style-type: none"> <li>• Recovery of Fresh Osteochondral tissues</li> <li>• Screening, Processing and Distribution of Musculoskeletal tissues</li> </ul>	
Referral Area	Provincial	
Address	Room 1-138.05-600 University Ave, Toronto, ON M5G 1X5	
Contact Information	Telephone	416-586-8870
	Fax	416-586- 4458
	On-Call Staff	Call Mt. Sinai switchboard to locate and page MSAT coordinator on call
	Medical Director	Dr. Tony Mazzulli Telephone: 416-586-4695 E-Mail: <a href="mailto:Tony.Mazzulli@sinaihealth.ca">Tony.Mazzulli@sinaihealth.ca</a>
	Administration	Director: Dr. Balram Sukhu Telephone: 416-586-4800 ext. 7929 E-mail: <a href="mailto:Balram.Sukhu@sinaihealth.ca">Balram.Sukhu@sinaihealth.ca</a>
	Acting Quality Management System Officer	Mr. Ahmad Noorzad / Balram Sukhu Telephone: 416-586-8870 E-mail: <a href="mailto:Ahmad.Noorzad@sinaihealth.ca">Ahmad.Noorzad@sinaihealth.ca</a>
	General Inquiries (M –F, 7am-5pm)	Telephone: 416-586-8870 Fax: 416-586-4458 E-mail: <a href="mailto:rbtb.MSH@sinaihealth.ca">rbtb.MSH@sinaihealth.ca</a>
	Technicians:	TCs - please ask screener upon acceptance team member full name
	MSAT coordinator on-call (aka Screeners)	Screener Name: Ericka (formerly Roderick) Guadilla Email: <a href="mailto:Ericka.Guadilla@sinaihealth.ca">Ericka.Guadilla@sinaihealth.ca</a>
		Screener Name: Ahmad Noorzad Email: <a href="mailto:Ahmad.Noorzad@sinaihealth.ca">Ahmad.Noorzad@sinaihealth.ca</a>
		Screener Name: Kenneth Eresmas Email: <a href="mailto:Kenneth.Eresmas@sinaihealth.ca">Kenneth.Eresmas@sinaihealth.ca</a>
Emergency	Locating Department Telephone: 416-586-5133	
Criteria		
Donor Age	MS tissue: Bone and tendons: 16 - 65  <b>***Exception FRESH GRAFT MS tissue: 16-40***</b>	
Absolute Exclusions for Clinical Transplantation purposes	<ul style="list-style-type: none"> <li>• Compliance with AATB Standards</li> <li>• Compliance with CSA: Cells, Tissues, and Organs for Transplantation and Assisted Reproduction: General Requirements</li> <li>• Compliance with Health Canada Regulations: Cells, Tissues, and Organs for Transplantation and Assisted Human Reproduction CTO# 100011</li> </ul> <p style="text-align: center;"><b>Refer to MSAT exclusion criteria in SharePoint</b></p>	
Absolute Exclusions for Research/ Education	<ul style="list-style-type: none"> <li>• Hepatitis and HIV positive</li> <li>• Please ensure consent for research/education is obtained</li> </ul>	

Referral	
Process	<ul style="list-style-type: none"> <li>• Contact MSAT office, 416 586-8870, during office hours (Monday – Friday 8 am - 4 pm)</li> <li>• After hours contact Mt. Sinai switchboard and ask to page “MSAT coordinator on-call”</li> <li>• Referrals may be made 24 hours a day, 7 days a week</li> </ul>
Special Instructions for TGLN Coordinator	<ul style="list-style-type: none"> <li>• Complete consent form, including consent for research and/or education purposes</li> <li>• Complete TGLN assessment forms in full</li> <li>• Obtain family physician information (name and telephone number)</li> <li>• Highlight any areas of concern and communicate this to the MSAT coordinator on-call</li> <li>• Specify if a Coroner is involved, whether autopsy is pending and convey any special considerations or restrictions</li> <li>• Email completed consent, questionnaire and assessment forms to MSAT coordinator on-call (aka: Screener)</li> <li>• If the NOK is not followed in legal precedence, please specify reason why on the consent. (i.e. spouse too distraught, therefore child signed on behalf of spouse)</li> <li>• Ensure a copy of the consent is present in the patient’s chart</li> </ul>
Donor Recovery	
Recovery Site OR Requirements	N/A
Recommended Recovery Timeframe	N/A
Donor Transfer	If a transfer is required, please indicate on the consent form where the body will be transferred, and where it is to be returned following recovery
Testing	
Required Laboratory Tests	HBsAg, HBcAb, HCV, RPR, HTLV I & II, anti-HIV 1 & 2, NAT: HIV RNA, HBV DNA, HCV RNA, WNV PCR
Additional Laboratory tests	
Special Instructions for Laboratory Specimen Collection	<p>Please take laboratory specimens and blood cultures <b>before</b> all organ retrievals (cross-clamp). Blood must be collected within 21.5 hours after time of death.</p> <ul style="list-style-type: none"> <li>✓ 6 SST and 6 EDTA blood samples</li> <li>✓ 1 aerobic and 1 anaerobic sample</li> </ul>
Coordination of Recovery Personnel	<p>Bone recovery for all MS tissue donors:</p> <ul style="list-style-type: none"> <li>• TGLN coordinator is responsible for coordinating recovery personnel and activities</li> <li>• TGLN will coordinate all aspect of tissue recovery.</li> </ul>

## Post Recovery Transport Details

### Shipping Information

#### Following instructions provided to TGLN recovery staff:

**Enter through the Murray street entrance and contact security (desk on right side immediately after entering).**

1. Identify that you are from TGLN (show ID) and that you are dropping off tissues for Allograft Technologies (Bone Bank).
2. Security will accompany you to the 1<sup>st</sup> floor (room 138.05) where the tissues in that room in the same transport container. Do not place tissue in the freezer.

#### **For all blood and swab samples:**

1. Place the blood (should be in a biohazard bag) and swabs in the fridge if brought to the tissue bank. Please make sure the door is completely closed.
2. Place the blood culture if present on the bench.
3. Leave the paperwork on the bench
4. Security will close the door.

Note: if there are any issue call MSH locating (416 586- 5133) and ask to page Bone Bank coordinator on-call

## Family Care

### Key Information About Recovery

- There is no cost to the donor's family or estate for any aspect of the bone and tissue donation process

MS tissue only donors accepted by MSAT, the MT TRC Lead is responsible for coordinating recovery personnel and activities

### Potential Impact on Options for Funeral

Families have the right to specify which bone and connective tissues they wish to be recovered. Incision lines might impact the families' choice of clothing for their loved one's burial, and should be explained during the consent process

<b>General Information</b>	
Year Tissue Bank Established	1972
Specific Tissues of Interest	Bone: Humerus, Radius, Ulna, Femur, Tibia, Fibula, Os Calcaneus, Talus and Hemipelvis Soft tissue and tendons: Meniscus, Fascia Lata, Patella Tendon, Achilles Tendon, Posterior Tibialis Tendon, Anterior Tibialis Tendon, Gracilis Tendon, Semi-Tendinosus Tendon and for fresh tissues – knees, ankles, glenoids, femoral heads and hemi-pelvic areas.
Processing Information	<ul style="list-style-type: none"> <li>• MSAT processes bone and tendons using a third party</li> <li>• MSAT process fresh grafts for internal and external immediate use</li> <li>• Each tissue (not fresh grafts) is sterilized using gamma irradiation to ensure recipient safety</li> <li>• The final product can be transplanted as a structural or morselized graft</li> </ul>
Storage Information	<ul style="list-style-type: none"> <li>• Tissue is stored in freezers (-70 °C) for up to 5 years</li> <li>• Fresh Tissue is stored in a refrigerator (2-10 °C) for up to 14 days</li> </ul>
Distribution Information	<ul style="list-style-type: none"> <li>• Tissue is distributed primarily in Ontario, although occasionally across Canada. Tissues are distributed only to medical institutions and qualified surgeons</li> <li>• Bone and tendon transplants are primarily used for joint restoration. In addition, bone is used to restore osteosarcoma (bone cancer) and other defects</li> </ul>
Accreditation	<ul style="list-style-type: none"> <li>• MSAT has been accredited with the American Association of Tissue Banks (AATB) since 1990, accreditation# 00022/10</li> <li>• MSAT is registered with Health Canada CTO # 100011</li> </ul>