

# GUIDING PRINCIPLES FOR BONE MARROW COLLECTION



Division of Laboratory Hematology, Department of Laboratory Medicine

*The Division of Laboratory Hematology requires that the following criteria are fulfilled in order to ensure that bone marrow samples are collected based on best practices:*

- Bone marrow procedures are to be performed **only** by hematologists or residents/fellows who have undergone adequate hematology training.
- Medical Laboratory Technologists (MLTs) will assist with collection and preparation of bone marrows.
- As of **July 2 2019**, bone marrow procedures will be booked using **Soarian Scheduling** by contacting the Hematology administrative staff during regular hours and the inpatient at x5099 after 16:00.
- MLTs will receive an electronic copy of the bone marrow schedule before 08:00 daily.
- Bone marrow procedures can only be scheduled Monday to Friday between 08:00 to 11:00.
- 30 minute time slots are created for outpatient bookings and bone marrow procedures occurring on 2-Donnelly. One hour time slots are created for inpatients (other than 2-Donnelly), IR guided and O.R. bone marrow procedures.
- Bone marrows must be booked at least **one day prior** unless it is an emergency situation in which case hematopathologist approval is necessary.
- No more than **4 bone marrows per day** are permitted.
- MLTs are to be contacted (x2138) no more than **10 minutes prior** to bone marrow procedure.
- Bone marrow procedures **must** occur on time. The time posted on the bone marrow booking schedule indicates the time the MLT is available to assist. An MLT may not be available if the procedure does not occur during the scheduled time. Please contact the MLT (x2138) when a bone marrow procedure is cancelled.



Before contacting the MLT, the Hematologist or delegate trainee should:

- ✓ Have patient requisitions prepared. Incomplete requisitions will be not be accepted. Clinical history is **mandatory**. If samples are being sent to other laboratories (e.g. UHN or NYGH), all relevant information must be included on each requisition. Tests requests are reviewed by the hematopathologist and will be cancelled if inappropriate.
- ✓ Obtain fifteen (15) ADT patient labels.
- ✓ Obtain patient consent.



Clinical team is to ensure that the following items are available at the patient beside 45 minutes prior to procedure:

- Bone marrow tray (*includes: sterile drape, gauze, plastic cups & clamps*)
- Jamshidi needle
- Illinois needle
- Scalpel blade
- Local anesthetic (e.g. 2% lidocaine without epinephrine)
- Antiseptics (e.g. iodine, isopropyl alcohol, chlorhexidine swabs)
- Bandage
- Medical tape
- 10 cc syringe (slip tip & luer lok)
- Various other needles (e.g. blunt fill; spinal needle; 25G, 21G & 18G needles)
- Sterile gloves
- Blue pad



**Specimen requirements, clinical history, test requested and ordering physician information MUST be completed on all requisitions before they can be accepted by the laboratory.**



### List of Frequent Contacts

Dr. Hasan Ghaffar—Hematopathologist  
Phone: 416-864-6060 (ext: 2368)  
Pager: 416-235-3053

### Bone Marrow Collection Bookings

Drs. Lim/Sholzberg: 416-864-5389  
Drs. Teitel/Tseng/Dotten: 416-864-5128  
Drs. Hicks/Trinkaus: 416-864-5632  
Dr. Abosh: 416-864-5099  
Inpatient: 416-864-6060 (ext: 5099)

### Hematology Laboratory

416-864-6060 (ext: 2138)

### List of Requisitions

#### MOLECULAR

[https://www.uhn.ca/LMP/Health\\_Professionals/Documents/CytogeneticsandMolecularDiagnosticstests.pdf](https://www.uhn.ca/LMP/Health_Professionals/Documents/CytogeneticsandMolecularDiagnosticstests.pdf)

#### CYTOGENETICS

(Karyotype, CLL Microarray, Myeloma FISH)

[http://www.nygh.on.ca/data/2/rec\\_docs/3356\\_Cytogenetics\\_Requisition.pdf](http://www.nygh.on.ca/data/2/rec_docs/3356_Cytogenetics_Requisition.pdf)

**Hematopathologist approval is required for all tests.**