



The Bone Marrow Clinic at CorePath— A Guide for Providers



About the Bone Marrow Clinic

The Bone Marrow Clinic at CorePath provides everything necessary for a minimally invasive bone marrow procedure in the comfort and convenience of our state-of-the-art facility and private **Passionate Care Suite**. The bone marrow clinic team consists of specially trained interventional pathologists and scientists.

Our mission is “Caring for Lives,” from the moment your patient arrives at our clinic until we deliver pathology results. Thank you for putting your trust in us to serve you and your patients!



Guidelines and FAQs for Providers

How to Schedule a Bone Marrow Procedure

Please contact our Client Solutions Team at CorePath at **210-617-4445** and download the **Bone Marrow Biopsy Procedure and Hematopathology Work-Up Requisition** at <https://corepath.us/testing/resources>

01

Complete the requisition form and select one of two levels of service:

STAT: Bone marrow analysis within 48 hours

Routine: Bone marrow analysis within 7 days

02

Fax supporting documents to **210-617-4457**.

See **Provider Forms** and **Patient Clinical Information** below.

03

We will call the patient to schedule the procedure.

Required Provider Forms

- Bone Marrow Biopsy Procedure and Hematopathology Work-Up Requisition (Provider Signature Required)
- Patient Demographics
- Patient Insurance

Required Patient Clinical Information

- Patient History & Clinical Notes
- Most Recent CBC Results
- Current List of Medications
- Indication for Bone Marrow Procedure

Note: Patient consent will be obtained at the time of the procedure through our Patient Consent Form.

COREPATH
 Laboratory Director: Aimee Ehsan, MD
 2000 Research Road, Suite 500, San Antonio, Texas 78201
 Tel: 210.817.4440 Fax: 210.817.4447

Patient: [Redacted] MRNID: [Redacted] CorePath ID: [Redacted]
 CDS: [Redacted] Facility: [Redacted] Physician: [Redacted]
 Gender: [Redacted] Collected: [Redacted] Received: [Redacted] Reported: [Redacted]

Specimen: Peripheral Blood
 Clinical Indication: Myeloid Leukemia

FLOW CYTOMETRY REPORT

DIAGNOSIS
 No Abnormal Hematopoietic Populations are Identified
 No Circulating Blasts are Noted

COMMENTS
 The peripheral blood demonstrates predominantly granulocytes with a normal mature pattern of antigen expression. There is normal expression of CD11b, CD33, CD35, CD11c, CD14, CD15, and CD165. The monocytes are normal in number and have a normal expression of dim CD4, CD13, CD33, CD14, CD11c, and HLA-DR. Lymphocytes are predominantly T cells with normal expression of CD2, CD3, CD5, CD7 and a normal CD4/CD8 ratio. No increase in NK cells or T/NK cells is present. No evidence for a clonal hematopoietic or lymphoid neoplasm is identified. Clinical correlation is advised.

TEST
 Fluorescence In-situ Hybridization (FISH) using the manual method was performed on the tissue specimen provided. 200 interphase nuclei were examined for each probe.

PROBES USED
 Based on the patient's history of acute myeloid leukemia, a total of 8 FISH probes were hybridized to accessible diagnostic disease, evaluate the prognostic factors and to categorize disease in the presence of abnormal findings.

SP18.3(ER1) to evaluate defect in erythropoiesis and monoony
TES/REIN to evaluate chromosome 7 defect, presence of de novo and secondary AML
AML1/ETO to evaluate the presence of translocation (8;21)(q24;q22) in AML
PML/RARα to evaluate the presence of translocation (15;17)(q22;q11) in AML, so ATRA can be initiated
CBSB/AT1 to evaluate the presence of the inversion of chromosome 16 and translocation (1;16)(p11;p13) in AML with better prognosis
DTZ12(3) to evaluate tumor suppressor gene p53
MPL/ETP191 to evaluate the JAK2/STAT5 pathway in MDS
MEL to evaluate most melanin/lymphoma gene and adverse prognosis

TESTING INFORMATION
 Gating Technique: CD45SSC
 Cells Analyzed: Mononuclear cells
 Method: RBC Lysis
 Validity: ND

Pathologist: Aimee Ehsan, MD
 Medical Director

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Specimen: Bone Marrow
 Clinical Indication: Thrombocytopenia Anemia

CYTOGENETICS REPORT

ISCN: 46,XY[20]
RESULTS
 NORMAL MALE chromosome complement. No clonal acquired abnormality was detected at the available resolution.

COMMENTS
 This analysis does not rule out non-clonal cytogenetic abnormalities or abnormalities in non-dividing cells.

TESTING INFORMATION
 Gating Technique: CD45SSC
 Cells Analyzed: Mononuclear cells
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Pathologist: Aimee Ehsan, MD
 Medical Director

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Specimen: Bone Marrow
 Clinical Indication: Leukocytosis and thrombocytosis

MORPHOLOGY REPORT

Bone Marrow, Core Biopsy, Clot Section, Touch Imprints and Aspirate:

- Hypercellular Bone Marrow (95% Cellular) with Trilineage Hyperplasia (See Comment)
- No Dysplasia is Identified
- Lymphoid Aggregates (See Comment)
- Iron Stores are Adequate

FINAL MORPHOLOGICAL DIAGNOSIS (Report ID)
 Bone Marrow, Core Biopsy, Clot Section and Aspirate:
 • Hemocellular Bone Marrow (95% Cellular) with Complete Trilineage Hyperplasia
 • No Dysplasia or Malignancy is Identified
 • Iron Stores are Decreased (See Comment)

FLOW CYTOMETRIC DIAGNOSIS (Report ID)
 No Abnormal Hematopoietic Populations are Identified
 Blasts are Not Increased

CYTOGENETIC DIAGNOSIS (Report ID)
 NORMAL MALE chromosome complement. No clonal acquired abnormality was detected at the available resolution.

FLUORESCENCE IN-SITU HYBRIDIZATION-FISH DIAGNOSIS (Report ID)
 All the probes in the MDS panel showed a NORMAL signal pattern.

COMMENTS
 The bone marrow is normocellular (25% cellularity) with no evidence of a primary hematolymphoid neoplasm identified morphologically or by flow cytometry. FISH for MDS was done and is normal. A cytogenetics study shows a normal male karyotype. The biopsy shows decreased iron stores. Iron studies are recommended if clinically indicated.

TESTING INFORMATION
 Gating Technique: CD45SSC
 Cells Analyzed: Mononuclear cells
 Method: RBC Lysis
 Validity: ND

Pathologist: Aimee Ehsan, MD
 Medical Director

Guidelines and FAQs for Providers (Continued)

Preparation for the Bone Marrow Procedure

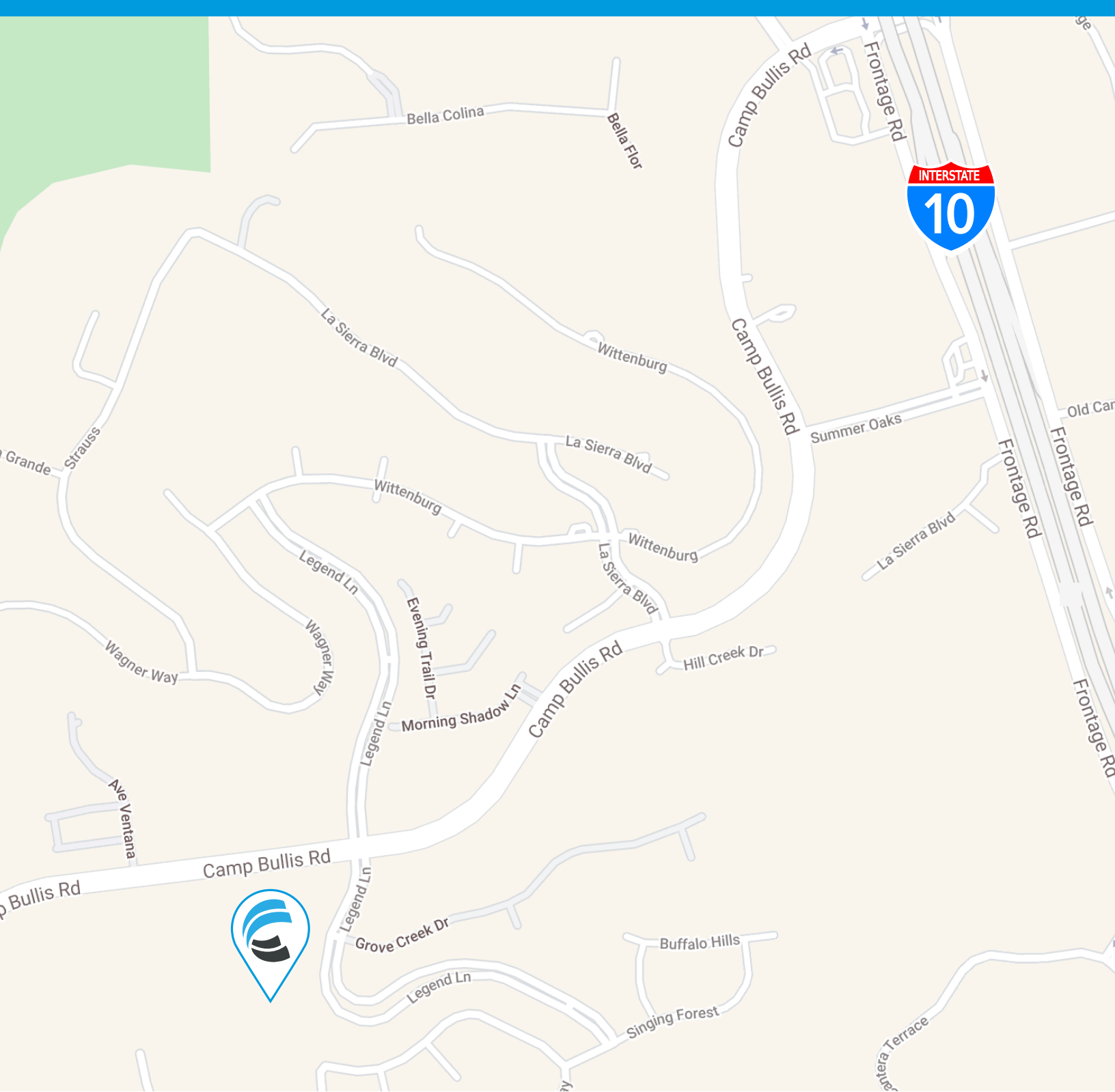
The patient does not need to do any special preparation for the procedure. They may eat prior to the biopsy and take their daily medication. However, if a patient is currently taking any medication that increases the risk of bleeding, such as blood thinners, you may need to stop medication prior to the procedure. CorePath's Interventional Pathologists perform the procedure using standard local anesthesia. Additional medication such as sedative and/or a pain reliever may be prescribed, however are not required for most bone marrow biopsy procedures. Patients who take medications that can cause drowsiness will need to arrange transportation with a third-party or care giver.

20/20 Core Evaluation Report (Flow Results Within 12-24 Hours)

Once the bone marrow biopsy is complete, patients' sample will be scientifically tested and evaluated by our team of laboratory scientists and board certified pathologists in the same facility in which the biopsy was performed. The laboratory studies include pathology consultation with morphologic interpretation and/or ancillary studies (Flow Cytometry, Routine Chromosome Analysis, FISH (fluorescence in situ hybridization), PCR and/or NGS (Next Generation Sequencing)). These laboratory tests can take a few days to complete. The results will be shared with you through the LabVizor secure provider portal and/or auto-faxed based on client preferences.

Billing

CorePath is contracted with most insurance companies. Your patient can expect to receive one bill from CorePath for performing the procedure, processing, and interpreting the results. CorePath will bill a patient's insurance for services, collect any copays, coinsurance, and/or deductibles as required by patient's insurance policy. If the patient is a self-pay, CorePath will work with the patient and the ordering provider to provide this important service. If you have any questions regarding billing, please contact our office and let our dedicated billing team assist you.



Conveniently Located

The Bone Marrow Clinic at CorePath
6918 Camp Bullis Rd.
San Antonio, TX 78256

Contact Us

 BMclinic@corepath.us
 [1.877.617.4445](tel:1877.617.4445)

We are located in the Crownridge neighborhood of Northwest San Antonio, at the corner of Legend Lane and Camp Bullis Road, and across from the Knights of Columbus Church.