



Bone Marrow Report

PATIENT: Test Patient, Testing	PHYSICIAN: [REDACTED]	ACCESSION #: PRS13-00412
AGE/SEX: 22/M	TEST2	LAB CASE #:
D.O.B: 01/01/1991	2929 Health Center Dr.	DATE COLLECTED: 04/08/2013
PHONE #:	San Diego, CA 92123	DATE RECEIVED: 04/09/2013
MEDICAL RECORD #:	ACCT #: 19017	DATE REPORTED:
	REF. PHYSICIAN:	

Diagnosis

- Peripheral Blood
70% CIRCULATING BLASTS.
ANEMIA, NORMOCYTIC (Hgb 9.9).
THROMBOCYTOPENIA (7,000/uL).
- Bone marrow aspirate, biopsy, and clot sections
ACUTE PROMYELOCYTIC LEUKEMIA WITH t(15;17) TRANSLOCATION; PML-RARA (AML-M3), WITH 90% BONE MARROW BLASTS.

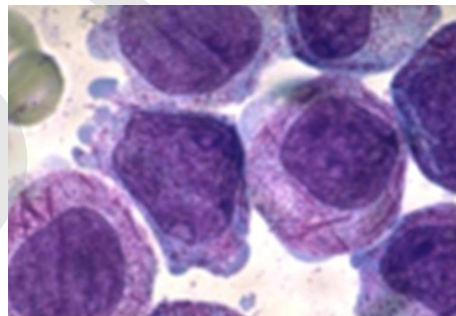
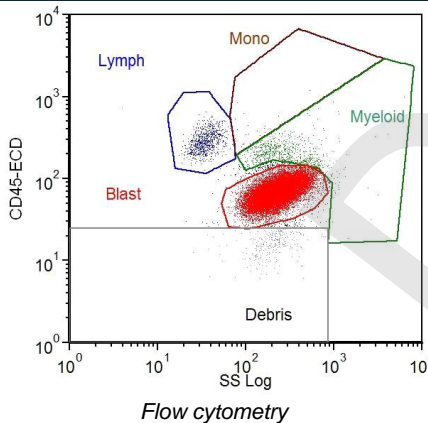
IMMUNOPHENOTYPE (FLOW CYTOMETRY):

- **POSITIVE FOR:** CD13, CD33, CD117, CD64 (DIM); **NEGATIVE FOR** HLA-DR, CD34, CD56.

FISH FOR t(15;17): POSITIVE

COMMENT: The blasts have a promyelocytoid morphology with moderate cytoplasm, abundant pink granules, variably prominent Auer rods, with bilobed and folded nuclei. Fluorescence in situ hybridization (FISH) studies confirm the presence of t(15;17), indicative of acute promyelocytoid leukemia (AML-M3).

Images



Promyelocytoid blasts

Microscopic & Gross Description

Gross Description :

- One lavender top tube of Peripheral Blood.
- One lavender top tube of Bone marrow aspirate. 2 specimen jars of formalin labeled "Bone marrow biopsy" containing a tan fragment measuring 1.0 cm in largest dimension; and "Bone marrow clot sections" containing fragments of red-brown tissue aggregating to 0.8 x 0.5 x 0.5 cm. Both are entirely submitted for histology