

Patient ID SA00092761	Patient Name TESTING, HPWET 2	Birth Date 1977-10-08	Gender F	Age 39
Order Number SA00092761	Client Order Number SA00092761	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 20 Jun 2017 13:00		

Hematopathology Consult

Case Number BR-17-1308

Interpretation

MCR

FINAL DIAGNOSIS

Peripheral blood, bone marrow aspirate and biopsies, bilateral iliac crests:

1. Normocellular bone marrow with morphologically normal trilineage hematopoiesis.
2. No morphologic features of a myelodysplastic syndrome, a myeloproliferative neoplasm, or other primary malignant myeloid neoplasms.
3. No morphologic or immunophenotypic features of involvement by lymphoma.

COMMENT

The etiology of the patient's mild cytopenia is not evident from this bone marrow examination. Secondary causes such as toxic exposure, medication/drug usage, alcohol consumption, nutritional deficiency, autoimmune disorders, chronic inflammation/infection, should be considered. Correlation with cytogenetic and Next Generation Sequencing findings is suggested.

MICROSCOPIC DESCRIPTION

Peripheral Blood By report CBC (dated 06/20/2017): Hgb 10.6 g/dl; RBC 2.89 X10(12)/L; MCV 78.9 fl; RDW 18.6 %; WBC 15.8 x10(9)/L; PLT 32 x 10(9)/L.

Cell	% of Total Cells
NEUTROPHILS	41
LYMPHOCYTES	31
MONOCYTES	28
EOSINOPHILS	0
BASOPHILS	0
METAMYELOCYTES	0
MYELOCYTES	0
PROMYELOCYTES	0
BLASTS	0
OTHER CELLS	0
NRBC	0

Total Cells: 100

Red blood cells: No cytologic abnormalities

White blood cells: No cytologic abnormalities. No dysplastic features. Lymphocytes: No cytologic abnormalities.

Platelets: No cytologic abnormalities

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292



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Bone Marrow Aspirate/Touch Imprint

Cell	% of Total Cells
NEUTROPHILS	22
METAMYELOCYTES	7
MYELOCYTES	6
PROMYELOCYTES	0
EOSINOPHILS	1
BASOPHILS	0
BLASTS	12
NORMOBLASTS	10
PROMONOCYTES	0
MONOCYTES	13
LYMPHOCYTES	29
PLASMA CELLS	0

Technical Comment : Count done on unit prep

M:E Ratio : 6:1

Total Cells: 200

Quality: Cellular

M:E ratio: 2:3

Erythroid precursors: Normoblastic maturation.

Myeloid precursors: Normal maturation without dysplastic features. Blasts not increased.

Megakaryocytes: Normal cytology

Lymphocytes: Not increased.

Plasma cells: Not increased.

Bone Marrow Biopsy/Clot

Quality: Adequate

Cellularity: Normal; 40%.

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Erythroid precursors: Relatively slightly increased with normal morphology.

Myeloid Precursors: Relatively slightly decreased with normal morphology. Blasts not increased.

Megakaryocytes: Normal quantity and morphology.

Lymphocytes: No lymphoid aggregates.

Plasma cells: Not increased.

ANCILLARY STUDIES

Iron stain, bone marrow aspirate: performed at Mayo Clinic in Rochester, MN: Storage slightly increased. Sideroblasts present. Ring sideroblasts not seen.

Cytochemical stain, myeloperoxidase, bone marrow aspirate myeloperoxidase is positive.

Cytochemical stain, butyrate esterase/chloroacetate esterase, bone marrow aspirate butyrate esterase is positive and chloroacetate is negative.

Immunohistochemical studies, bone marrow biopsy, antibodies to CD30 and Ki67: The cells are positive for CD30 and negative for Ki67.

Report electronically signed by

MCR

ANGELA REESE-DAVIS

I verify that I have examined all relevant slides/materials for the specimen(s) and rendered or confirmed the diagnosis.

Gross Description

MCR

B: Received in formalin labeled with patient's name, MRN and "Bone marrow biopsy" is a 1.0 x 0.2 core of tissue. Submitted en toto in cassette 1. C: Received in formalin labeled with patient's name, MRN and "Bone marrow clot" is a 1.0 x 0.2 x 0.3 aggregate of tissue. Submitted en toto in cassette 1.

Material Received

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- A. BM321: Bone marrow
8 unstained slides
- B. BM321: biopsy
- C. BM321: clot

Received: 22 Jun 2017 08:27

Reported: 26 Jun 2017 13:19

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