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HLID#: PATIENT NAME: .
 PATIENT ID#: DOB :
 NPI: ORDERING PHYSICIAN:
 SPECIMEN TYPE: Bone Marrow Aspirate- LIC
 COLLECTION DATE: RECEIPT DATE:
 REPORT DATE: ICD-9: UNITS:1
 CLINIC ID#: ACCOUNT:

INTEGRATED HEMATOPATHOLOGY REPORT

DIAGNOSIS:

- **REFRACTORY CYTOPENIA WITH MULTILINEAGE DYSPLASIA**
- **(WHO 4TH EDITION: MDS-RCMD)**
- **NEGATIVE FOR FLOW CYTOMETRIC, FISH (MDS PANEL) AND CYTOGENETIC ABNORMALITIES**
- **SEE COMMENT, SEE SEPARATE REPORTS.**

Comment. Continued surveillance is suggested with close interval re-examination of the bone marrow as clinically indicated.

Specimen: Peripheral Blood, Bone marrow (aspirate, clot section, biopsy)

Clinical History/Indications: An 48 year old male with progressive anemia and thrombocytopenia over 8 months. A CBC demonstrates normochromic normocytic indices with high RDW, and thrombocytopenia. Evaluate for myelodysplastic syndrome.

CBC: (data provided)

WBC: 8.8 k/mm³ [Diff: Neut78.8%, Lymph 17.0, % Mono1.0%, Eos2.6% Baso 0.6%]

RBC: 3.34 x10⁹/L [Hb9.9g/dl Hct 30.3%] PLT: 158 K/mm³

LIGHT MICROSCOPY:

- Refractory Cytopenia with Multilineage Dysplasia
 - Anemia , normochromic normocytic
 - Left-shifted marrow with increased M: E ratio
 - Dysmegakaryopoiesis, dyserythropoiesis
 - Negative for increased blasts
- Storage iron present but reduced; negative for ring sideroblasts
- Cellularity ~60%

FLOW CYTOMETRY:

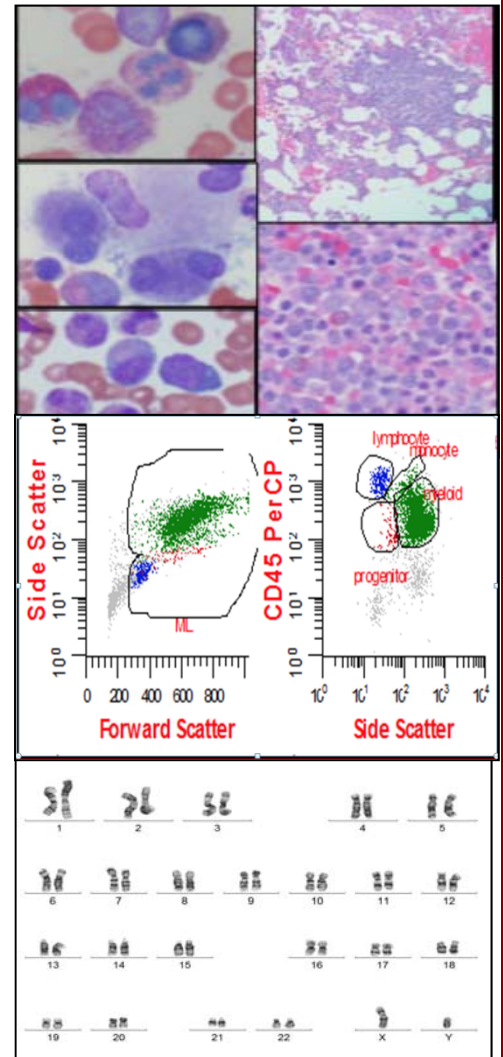
- **Abnormal:** Consistent with Myelodysplastic Syndrome
 - Abnormal myeloblasts (1.2% of non-erythroid cells)
 - Aberrant maturing myeloid cells
 - MDS flow score = 2

FISH(MDS panel)

- **Normal**

CYTOGENETIC ANALYSIS:

- **Normal** male karyotype
- 46,XY[20]



Electronically signed by: M.E. de Baca, MD, Director of Hematopathology and Denise A. Wells, MD, Medical Director