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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:
 WALDENSTRÖM MACROGLOBULINEMIA**

Specimen: Peripheral blood, Bone marrow (aspirate, clot, biopsy)
Clinical History/Indications: A 77 year old male with a previously identified B-lymphoproliferative disorder, anemia and a modest monoclonal IgM spike. Preliminary findings were relayed to Dr. X on 2/22/12, at which time he also provided additional information regarding clinical findings and impression.

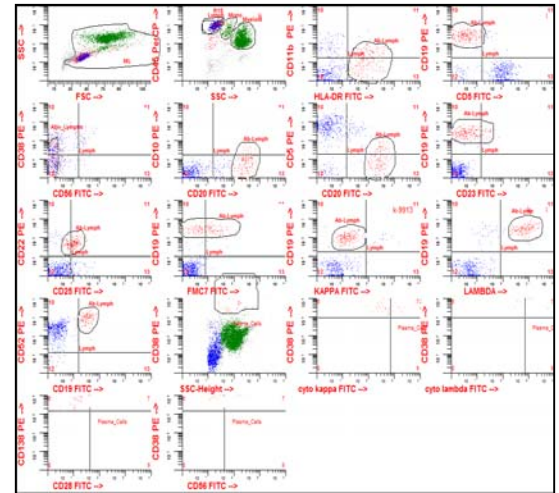
CBC: WBC: 8.0 k/mm3 Differential: Neut 56.5% Lymph 8.7% Mid 34.8%
 RBC: 4.35 x10(9)/L Hb 13.5g/dl Hct 41.6%
 PLT: 205 K/mm3

LIGHT MICROSCOPY:

- Trilineage hematopoiesis with maintained M:E ratio and adequate megakaryopoiesis
 - o Negative for diagnostic features of myelodysplasia
 - o Negative for increased blasts
 - o Storage iron present; negative for ring sideroblasts
- Bone marrow cellularity ~40%

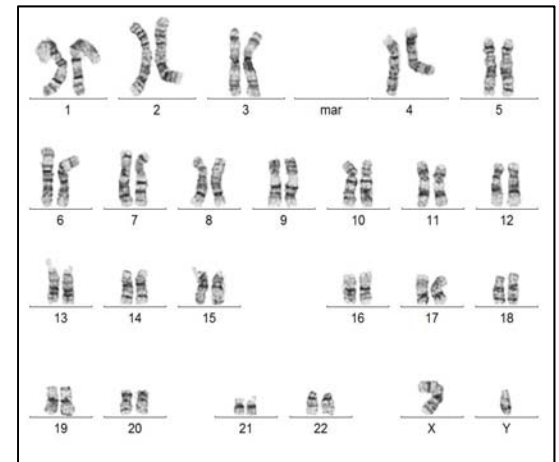
FLOW CYTOMETRY:

- **Abnormal: B-lymphoproliferative disorder and monoclonal plasma cells of the same light chain.**
- This immunophenotype is consistent with Lymphoplasmacytic Lymphoma /Waldenström’s Macroglobulinemia.
- No immunophenotypic evidence of abnormal myeloid antigen expression or abnormal antigenic relationships.



MOLECULAR DIAGNOSTICS

- **B-CELL GENE REARRANGEMENT (IGH) PCR:**(CD38+ plasma cell population and CD19+ B-cell population)
- **Positive: Identical profile**



FISH (fluorescence in situ hybridization)

- **Normal**
- No evidence of CFBF gene (16q) rearrangement or deletion at sensitivity level of this analysis

nuc ish(CBFBx2)[200]

CYTOGENETIC ANALYSIS

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

