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HLID#: L-0000      PATIENT NAME: Sample, Patient  
PATIENT ID#:      DOB : 00/00/1931      SEX: M  
NPI:      ORDERING PHYSICIAN:  
SPECIMEN TYPE: Bone Marrow Aspirate  
COLLECTION DATE:      RECEIPT DATE:  
REPORT DATE:      ICD-9: 238.75      UNITS: 1 Cytogenetics  
CLINIC ID#:      ACCOUNT: Sample Hospital  
CPT: 88237/88264/88280/88291

**Sample, Patient L-0000****Specimen Type: Bone Marrow Aspirate (0000000)**

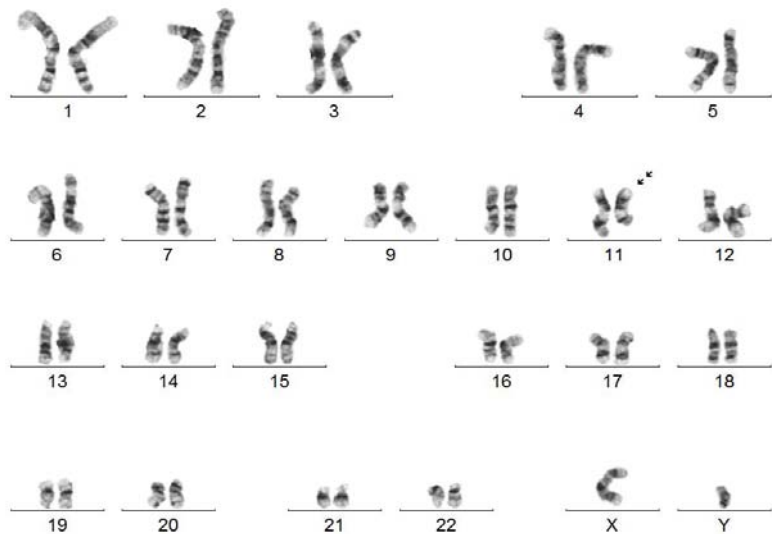
**Clinical History/Indications:** An 81 year old male with a clinical history of lymphoma. Now suspicious for Waldenström macroglobulinemia and a myelodysplastic syndrome. Previous flow cytometric findings revealed a monoclonal B-lymphoplasmacytic lymphoma (I-0000) and cytogenetic studies revealed an abnormal karyotype with a del(11q) (J-0000). Current flow cytometric findings reveal a monoclonal kappa B lymphoma and monoclonal plasma cells of the same light chain with no evidence of abnormal maturing myeloid cells or abnormal or increased myeloid progenitor cells. FISH testing was suspicious for a low level population with a del(11q).

**Assay: CYTOGENETIC ANALYSIS****Result: 46,XY,del(11)(q21q23)[3]/46,XY[17]****Abnormal male karyotype****Interpretation:**

- **Consistent with lymphoma.**
- **The deletion of 11q includes loss of the ATM gene as confirmed by FISH testing.**

Summary of cytogenetic results:

Three of the 20 cells examined had a deletion of chromosome 11. Seventeen normal cells were observed.

Cytogenetic Analysis Summary:

Number of Cultures used for Analysis: 3  
Banding Level: 400 - 425  
Extra Cells Analyzed /Scored: 0  
Number of Cells Imaged and Analyzed: 20  
Number of Karyograms: 4  
Banding Method: GTW/G

Electronically signed by: Christine F. Stephenson, Ph.D., FACMG, Director, Clinical Cytogenetics and Denise A. Wells, MD, Medical Director