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HLID#: L-0000 PATIENT NAME: Sample, Patient
 PATIENT ID#: DOB : 00/00/1925 SEX: F
 NPI: ORDERING PHYSICIAN:
 SPECIMEN TYPE: Bone Marrow Aspirate
 COLLECTION DATE: RECEIPT DATE:
 REPORT DATE: ICD-9: 202.80 UNITS: 1 Cytogenetics
 CLINIC ID#: ACCOUNT: Sample Hospital
 CPT: 88237/88264/88280/88291

Sample, Patient L-0000

Specimen Type: Bone Marrow Aspirate (000-XX)

Clinical History/Indications: An 87 year old female with anemia and clonal B-cells identified by flow cytometry. Evaluate for lymphoma. FISH testing with the MALT1 probe had normal findings.

Assay: CYTOGENETIC ANALYSIS

Result: 46,XX,del(7)(q32q36)[5]/43,idem,-12,-19,-19[1]/46,XX[14]

Abnormal female karyotype

Interpretation:

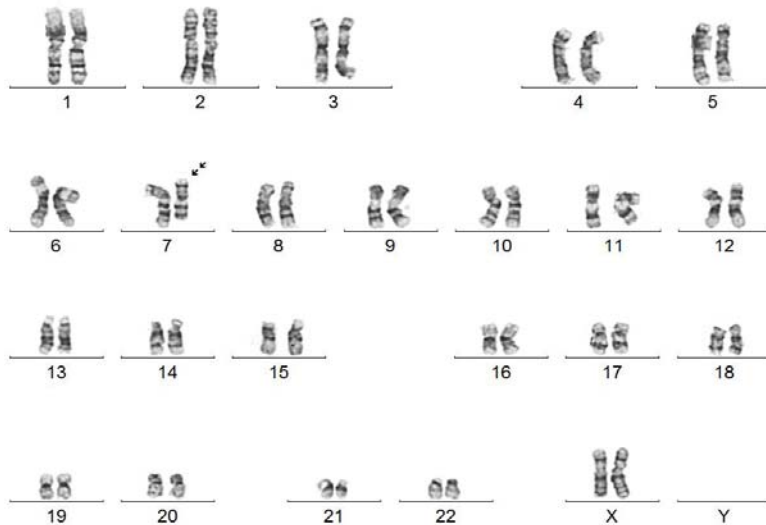
- Consistent with non-Hodgkin lymphoma.
- Deletions of 7q are observed in several types of NHL; however, there is a higher incidence in splenic marginal zone B-cell lymphomas (MZBCL).
- Deletions of 7q may be associated with tumor progression or transformation into a high grade MZBCL.

Summary of cytogenetic results:

Six of the 20 cells examined had a deletion of chromosome 7. Fourteen normal cells were observed.

Cytogenetic Analysis Summary:

Number of Cultures used for Analysis: 2
 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