

Patient: [REDACTED]  
DOB: [REDACTED] Age: 57 Gender: F  
Patient Identifiers: [REDACTED]  
[REDACTED]  
Visit Number (FIN): [REDACTED]

Client: [REDACTED]  
Physician: [REDACTED]

ARUP Test Code: 2002298  
Collection Date: 04/23/2018  
Received in lab: 04/28/2018  
Completion Date: 05/04/2018

**Interpretation**

Specimen Received  
Specimen Type: Bone marrow  
Reason for Referral: MECOM/RPN1 probe  
Test Performed: FISH, Interphase

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**ABNORMAL FISH RESULT**  
3q21.3q26.2 (RPN1/MECOM): rearrangement present

**DIAGNOSTIC IMPRESSION:**  
Fluorescence in situ hybridization (FISH) analysis was performed with the RPN1 and MECOM probes (Abbott Molecular). 200 cells were scored.

This analysis showed evidence of a single fusion 3q21.3q26.2 rearrangement in 23/200 (11.5 percent) cells scored. The signal pattern observed is not the typical signal pattern for this rearrangement, and may indicate a rearrangement involving these loci with a loss of one derivative signal. This is the same pattern seen in a previous specimen from this patient (ARUP accession # 16356401784).

The decision to call this FISH result abnormal is based on our laboratory validation data for this probe that indicates >10.0% abnormal cells is considered a positive result. However, as the percentage of abnormal cells in this case is close to our cut-off value, correlation of this finding with other laboratory and clinical data is strongly recommended.

ISCN:  
nuc ish(RPN1,MECOM)x2(RPN1 con MECOMx1) [23/200]

This result has been reviewed and approved by Roger Schultz,  
Ph.D., FACMG  
Electronic Signature

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS



Patient: [REDACTED]  
ARUP Accession: 18-118-400562