

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

Client: [REDACTED]  
Physician: [REDACTED]

ARUP Test Code: 2007130  
Collection Date: 12/06/2016  
Received in lab: 12/07/2016  
Completion Date: 12/14/2016

Interpretation

Specimen received

Specimen type: Bone Marrow  
Reason for referral: Neutropenia  
Test performed: Chromosome Analysis

Laboratory analysis

Number of cells counted: 20  
Number of cells analyzed: 20  
Number of cells karyotyped: 17  
ISCN Band level: 400  
Banding Method: G-Banding

Chromosome results: 45,XY,-7[2]/46,XY[18]  
\*\* See NOTE Below\*\*

Diagnostic Impression:

Two cell lines were detected in multiple cultures from this patient. One cell line showed loss of chromosome 7 in 2/20 (10%) cells. The remaining 18/20 (90%) cells showed a normal male chromosome complement.

NOTE: Monosomy 7 was observed in only a two cells. In general, monosomy must be observed in three cells to define an abnormal clone. However, in this case, the presence of monosomy 7 was observed at a low level in FISH studies on interphase cells. Therefore, these cells are presumed to be part of an abnormal clonal population based on FISH findings. These results should be interpreted within the context of clinical and other laboratory findings.

Monosomy 7 is a recurrent abnormality observed in myeloid disorders and is generally associated with more aggressive disease.

Since this analysis revealed an abnormal result, the cytogenomic microarray analysis, which was ordered as a reflex study, will not be performed unless we are notified otherwise. Please contact ARUP Client Services at 1-800-242-2787 if you want to pursue the microarray analysis.

NOTE: FISH was performed on this sample and reported under ARUP accession #(16-341-133937). FISH results were ABNORMAL.

This result has been reviewed and approved by [REDACTED],  
Ph.D., FACMG



Patient: [REDACTED]  
ARUP Accession: 16-341-133936

# Chromosome Analysis, Bone Marrow with Reflex to Genomic Microarray

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Patient: [redacted] | Date of Birth: [redacted] | Gender: [redacted] | Physician: [redacted]  
Patient Identifiers: [redacted] | Visit Number (FIN): [redacted]

Electronic Signature

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: [aruplab.com/CS](http://aruplab.com/CS)

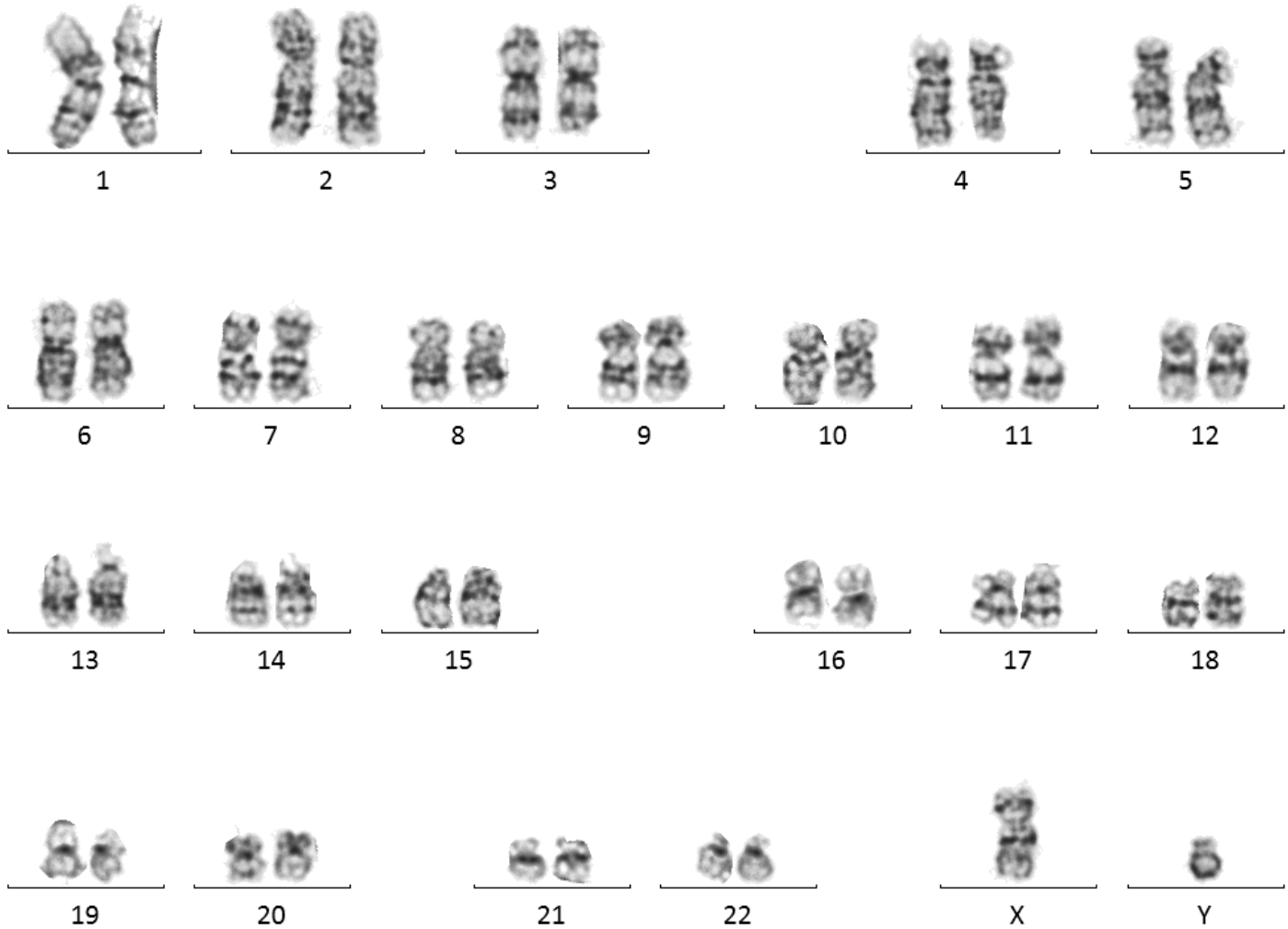


Patient: [redacted]  
ARUP Accession: 16-341-133936

# Chromosome Analysis, Bone Marrow with Reflex to Genomic Microarray

Patient: [redacted] | Date of Birth: [redacted] | Gender: [redacted] | Physician: [redacted]  
Patient Identifiers: [redacted] | Visit Number (FIN): [redacted]

Slide ID: 0015

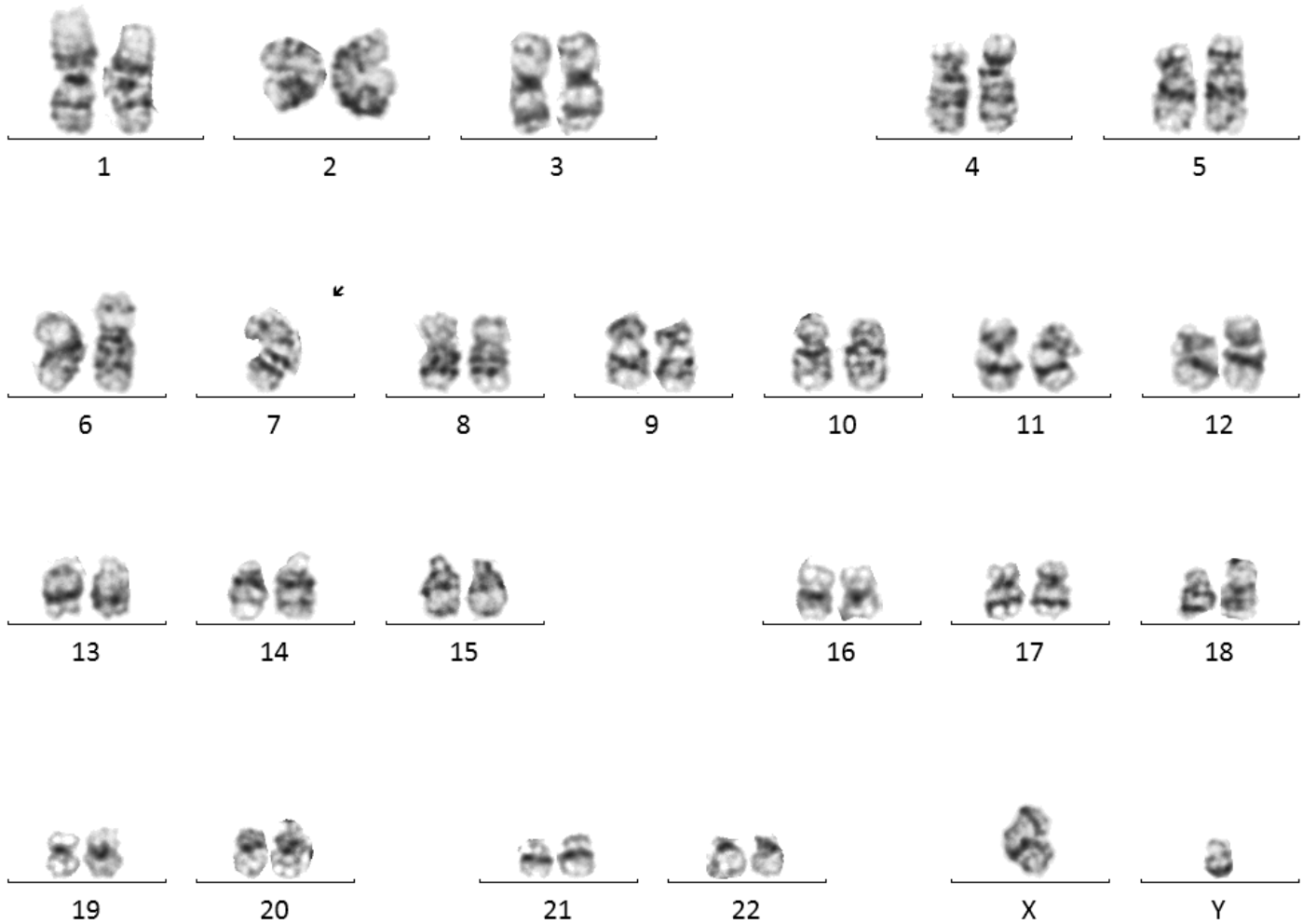


Patient: [redacted]  
ARUP Accession: 16-341-133936

# Chromosome Analysis, Bone Marrow with Reflex to Genomic Microarray

Patient: [redacted] | Date of Birth: [redacted] | Gender: [redacted] | Physician: [redacted]  
Patient Identifiers: [redacted] | Visit Number (FIN): [redacted]

Slide ID: 0018



Patient: [redacted]  
ARUP Accession: 16-341-133936