

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

Client: [REDACTED]  
Physician: [REDACTED]

ARUP Test Code: 2002292  
Collection Date: 11/21/2016  
Received in lab: 11/22/2016  
Completion Date: 12/02/2016

**Interpretation**

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Specimen received

Specimen type: Bone Marrow  
Reason for referral: Pancytopenia, possible MDS and AML  
Test performed: Chromosome Analysis

Laboratory analysis

Number of cells counted: 24  
Number of cells analyzed: 24  
Number of cells karyotyped: 22  
ISCN Band level: 350  
Banding Method: G-Banding

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Chromosome results:  
46,XX,add(11)(q25),del(17)(q25)[18]/45,s1,der(7;16)(p10;p10)[6]  
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Diagnostic Impression:  
Two related abnormal cell lines were detected in multiple cultures from this patient. One cell population, the stemline (s1), showed a female chromosome complement with added material on the long arm of chromosome 11 and a deletion in the long arm of chromosome 17 in 18/24 (75%) cells. The second population (sideline) showed the stemline abnormalities and an unbalanced whole arm rearrangement between the short arms of chromosomes 7 and 16 in 6/24 (25%) cells.

The derivative (7;16) rearrangement results in loss of the long arms of chromosomes 7 and 16. Deletion 7q and deletion 16q are recurrent abnormalities observed primarily in myeloid disorders, including de novo and secondary myelodysplasias and acute myeloid leukemia.

NOTE: FISH was performed on this sample and reported under ARUP accession #(16-326-139688). FISH results were ABNORMAL.

This result has been reviewed and approved by [REDACTED], MD, PhD, FACMG  
Electronic Signature

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

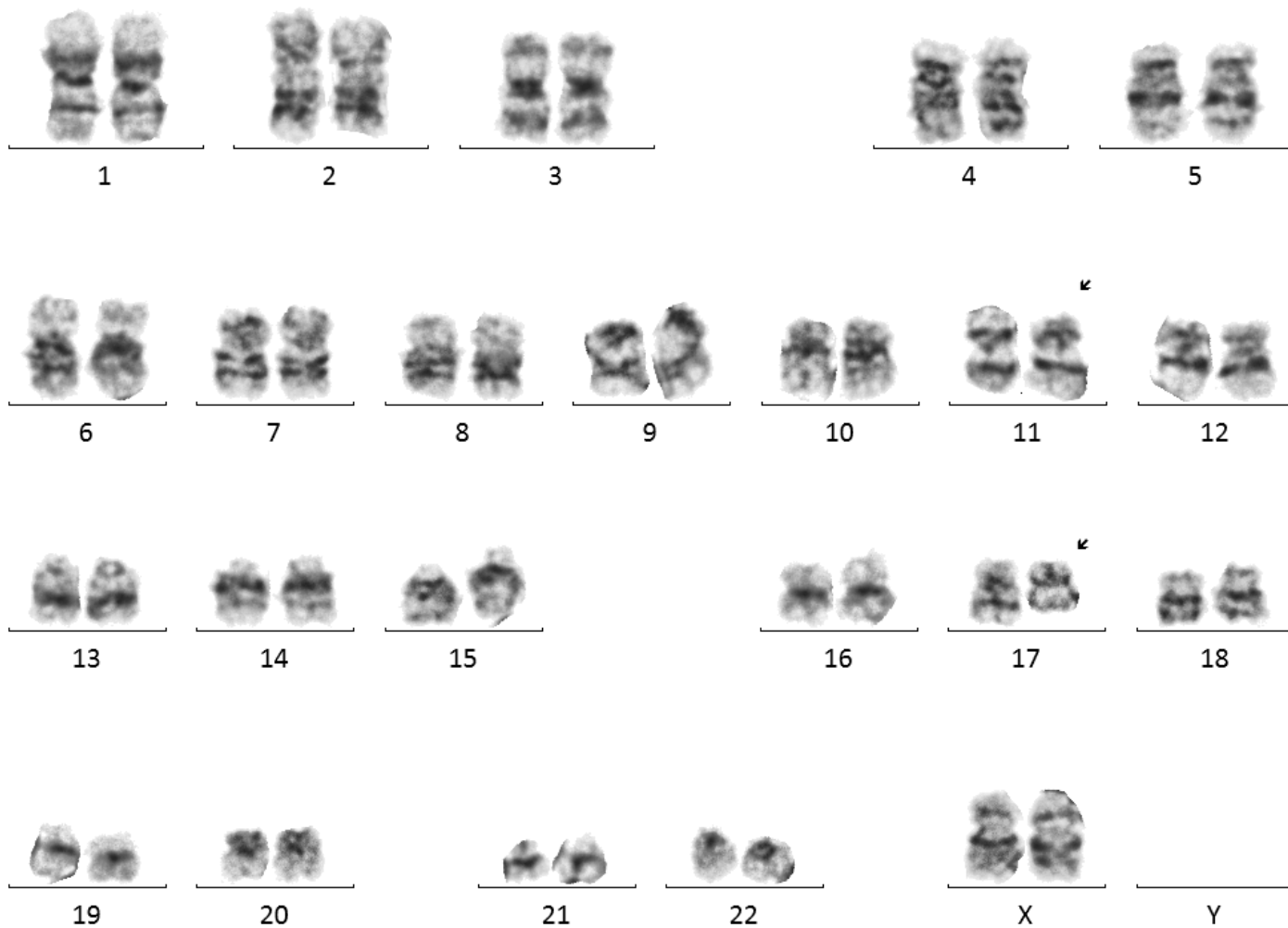


Patient: [REDACTED]  
ARUP Accession: 16-326-105424

# Chromosome Analysis, Bone Marrow

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

Slide ID: 0057



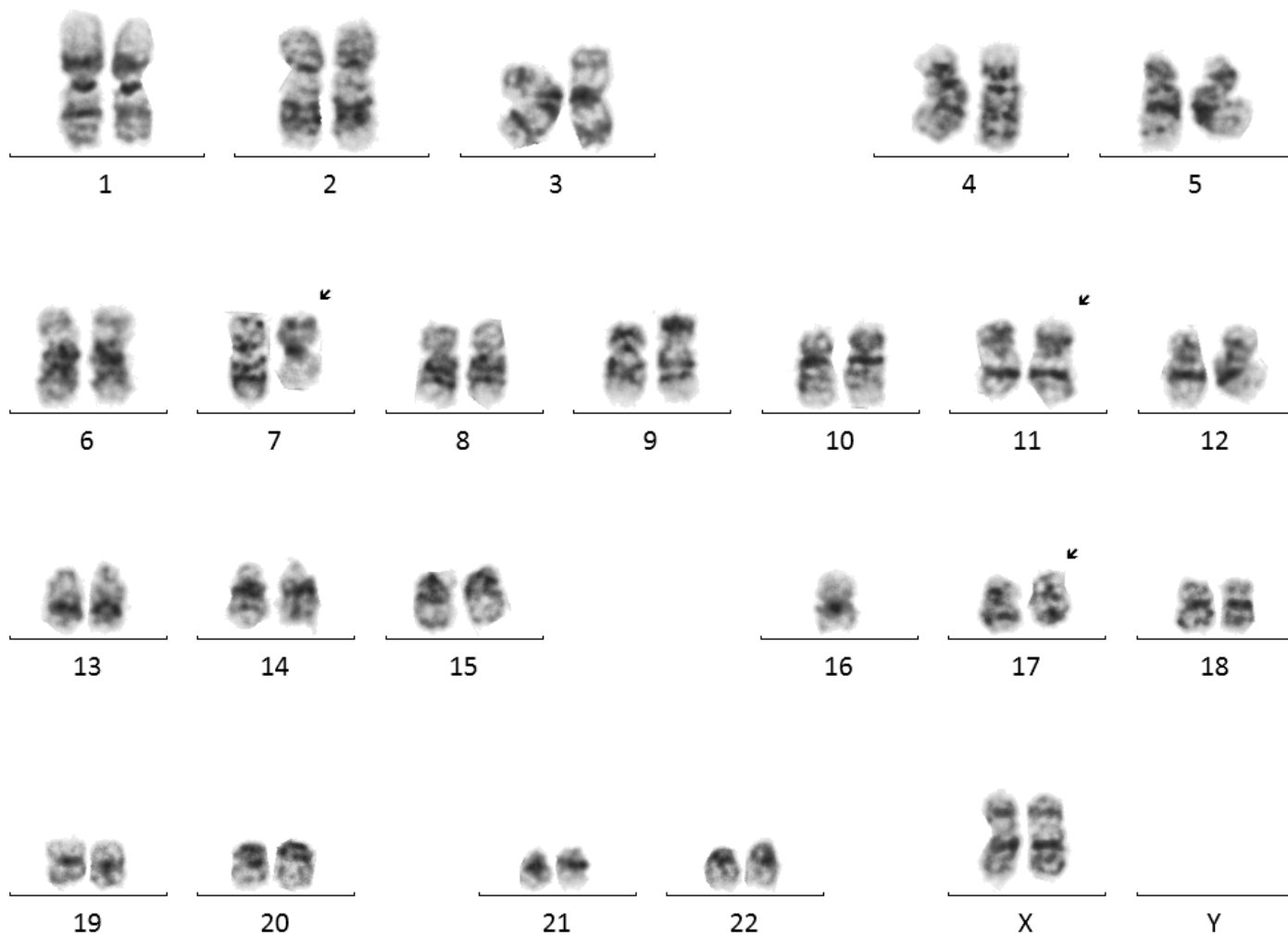
Slide ID: 0130



Patient: [redacted]  
ARUP Accession: 16-326-105424

# Chromosome Analysis, Bone Marrow

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



Patient: [redacted]  
ARUP Accession: 16-326-105424