

Patient: [REDACTED]
DOB: [REDACTED] Age: 29 Gender: F
Patient Identifiers: [REDACTED]
Visit Number (FIN): [REDACTED]

Client: [REDACTED]
Physician: [REDACTED]

ARUP Test Code: 2005762
Collection Date: 04/18/2018
Received in lab: 04/19/2018
Completion Date: 04/26/2018

Interpretation

Specimen received

Specimen type: Placental Tissue (Villi)
Reason for referral: Missed Abortion 8 weeks
Test performed: Chromosome Analysis

Laboratory analysis

Number of cells counted: 20
Number of cells analyzed: 7
Number of cells karyotyped: 7
ISCN Band level: 400
Banding Method: G-Banding

Chromosome results: 69,XXY

Diagnostic Impression:
Metaphase cells analyzed from cultures of placental tissue (villi) revealed a chromosome complement with 69 chromosomes due to gain of an entire extra haploid (23) set of chromosomes, resulting in triploidy.

Triploidy is a frequent cytogenetic abnormality observed in pregnancy loss. The majority of cases are paternally derived (diandric), in which phenotypic features of a partial hydatidiform mole may result. If maternally derived (digynic), phenotypic features may include severe growth retardation with marked head-body disproportion, macrocephaly, and a small nonmolar, fibrotic placenta. Most triploidy occurs sporadically.

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.

References:

1. RJM Gardner, GR Sutherland, LG Shaffer. Chromosome Abnormalities and Genetic Counseling, Fourth Ed., New York: Oxford University Press, 2012.
2. Zaragoza et al, Origin and Phenotype of Triploidy, AJHG 66:1807-1820, 2000.



Patient: [REDACTED]
ARUP Accession: 18-108-102449

Chromosome Analysis, Products of Conception, with Reflex to Genomic Microarray

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

Recommendation:
Genetic counseling

This result has been reviewed and approved by Julie Leana Cox,
Ph.D., FACMG
Electronic Signature

NOTE: Only the **Chromosome Analysis, Products of Conception** results are reported on this enhanced report. When the result of Chromosome Analysis is either "no growth" or "normal," **Genomic SNP Microarray, Products of Conception** is performed. If the genomic microarray is performed, those results can be accessed via a patient report or electronic medical records system after the genomic microarray has been completed.

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



Patient: [REDACTED]
ARUP Accession: 18-108-102449

Chromosome Analysis, Products of Conception, with Reflex to Genomic Microarray

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

Slide ID: 0001



Patient: [REDACTED]
ARUP Accession: 18-108-102449