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3a POSITIVE: CARRIER Foresight® Carrier Screen 3b POSITIVE: CARRIER Gene: CHCR1 Inheritance Pattern: Autosomal Recessive

Patient JANE MILLER Result Carrier Variant(s) NM\_001360.2:CHCR1:c.94-10>G>C[A] (V58-I10-C)

Methodology Sequencing with copy number analysis (x1) Interpretation This individual is a carrier of Smith-Lemli-Opitz syndrome...

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How Is Smith-Lemli-Opitz Syndrome? There is no cure for SLOS, but some symptoms can be addressed. The primary treatment is to supplement the patient's diet with large amounts of cholesterol...

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What Is Smith-Lemli-Opitz Syndrome? Smith-Lemli-Opitz syndrome (SLOS) is an inherited condition in which the body's ability to make cholesterol is impaired due to deficiency of the 7-dehydrocholesterol reductase enzyme...

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Additional Findings Single Carrier Autosomal recessive additional findings

CLINICAL NOTES • None

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Methods and Limitations JANE MILLER (Foresight Carrier Screen) Sequencing with copy number analysis, triplet repeat detection, spinal muscular atrophy, and analysis of homologous regions (SILS-V2)

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Analysis of homologous regions A combination of high-throughput sequencing, read depth-based copy number analysis, and targeted genotyping is used to determine the number of functional gene copies...

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Conditions Tested 11 beta hydroxylase-deficient Congenital Adrenal Hyperplasia, 17 beta hydroxylase-deficient Congenital Adrenal Hyperplasia, 21-hydroxylase-deficient Congenital Adrenal Hyperplasia, and many others.

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CLIN-related Neuronal Ceroid Lipofuscinosis, Glycogen Storage Disease Type II, and many others.

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Conditions Tested HADA-related Disorders, Familial Dysautonomia, and many others.

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Risk Calculations Below are the risk calculations for all conditions tested. Since negative results do not completely rule out the possibility of being a carrier, the residual risk represents the chance of not being a carrier...

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