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A Klinefelter patient with an additional mitochondrial mutation: Implications for genotype-driven treatment and mitochondrial mutational load in different tissues and family members

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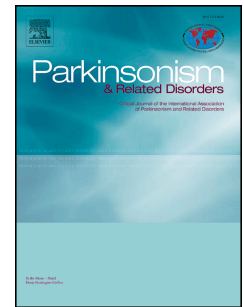
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A Klinefelter patient with an additional mitochondrial mutation: Implications for genotype-driven treatment and mitochondrial mutational load in different tissues and family members

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Contributors:

Drs. Berg and Lohmann – Study concept and design

Drs. Dulovic, Schäffer, Leypoldt, Balck, Kirchner, Brüggemann, Berg, Lohmann, Mrs. Hinrichs, Schaaake – acquisition of data

Drs. Dulovic, Schäffer, Leypoldt, Balck, Brüggemann, Berg, Lohmann, Mrs. Schaaake – analysis and interpretation

Drs. Dulovic, Schäffer, Berg and Lohmann wrote the manuscript,

Drs. Leypoldt, Balck, Kirchner, Brüggemann, Mrs. Hinrichs, Schaaake – critical revision of the manuscript for important intellectual content

Drs. Berg and Lohmann – study supervision

Many genetic disorders are clinically heterogeneous [1] and thus may be challenging to be diagnosed solely based on the clinical examination. In addition, if two or more genetic disorders are present in the same patient, the phenotypic presentation will be an additive result of both underlying disorders [2]. The scenario gets even more complicated when mitochondrial DNA (mtDNA) mutations play a

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