## LETTER TO THE EDITOR

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# Ketogenic diet for mitochondrial disease: potential role in treating the Multiple Symmetric Lipomatosis phenotype associated with the common MT-TK genetic mutation

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Dear Editor,

We read with appreciation the succinct and informative systematic review by Zweers et al. [1] on the effect of the Ketogenic Diet and/or the Modified Atkins Diet on various mitochondrial disease associated phenotypes.

While this review covered studies pertaining to epilepsy, skeletal and heart muscle, tonus dysregulation, movement disorder, developmental delay/intellectual disability, food intake, weight gain/growth, and hair growth, we note that the multiple symmetric lipomatosis phenotype, frequently associated with the MT-TK genetic mutation, was not covered.

We would like to highlight that a version of the ketogenic diet was employed successfully, along with other simultaneous lifestyle interventions, in treating a disabling multiple symmetric lipomatosis phenotype. This successful intervention was reported in 2020 [2] and warrants further consideration by care providers whose patients are in a similar predicament, and similarly motivated.

Sincerely,

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Acknowledgements None

#### Authors' contributions

All authors contributed to the original publication and have reviewed and approved of the current letter to the editor.

Funding No funding.

Availability of data and material  $\ensuremath{\mathsf{N/A}}\xspace$ 

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#### Declarations

**Ethics approval and consent to participate** N/A.

**Consent for publication** 

N/A

#### **Competing interests**

The authors declare that they have no competing interests.

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#### Received: 14 September 2021 Accepted: 19 December 2021 Published online: 10 January 2022

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