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Emily Manoogian, PhD

Special Collection Editor

Obesity Journal

Dear Guest Editor Dr. Emily Manoogian,

I write to submit the original research article entitled, “Gestational Early-Time Restricted Feeding Results in Sex-Specific Glucose Intolerance in Adult Male Offspring” for consideration for the Obesity special issue on time-restricted eating. This original work has not been published and has not been submitted or under review with another journal. It has been posted as a pre-print on BioRXiv and it states that we are submitting to Obesity.

This work is novel and appropriate for the Obesity special issue on time-restricted eating because it covers 2 populations little considered in the field of chrononutrition; pregnant people and their offspring. Recent work set precedent that some women consider trying this diet while pregnant. However, data on the long-term implications of observing this diet during pregnancy are lacking and limited to animal studies with focus on mitigating the harms of high fat diet feeding on fetal lung and placental development. The enclosed original research article is novel in many ways. It focuses on the body composition, food intake, and metabolic health of the offspring following gestational exposure to TRF. It follows males and females throughout adulthood and after challenge to long term high fat diet feeding. This exposure results in sexually dimorphic dysmetabolism, where males are glucose intolerant after high fat diet feeding, but females are not. This is important since the current literature finds either no effect or modest improvements to glycemic health with time-restricted feeding in adult populations. Findings of this study indicate that more work should be done with pregnant and pediatric populations to assess the safety, efficacy, and long-term health effects resulting from time-restricted feeding.



Our authors have no conflicts of interest to disclose.   
  
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Thank you for your consideration of this work,



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