SI Appendix: Effect of a ketogenic diet on hepatic steatosis and hepatic mitochondrial metabolism in nonalcoholic fatty liver disease

Panu K. Luukkonen^{a,b,c}, Sylvie Dufour^{a,d}, Kun Lyu^e, Xian-Man Zhang^{a,d},

Antti Hakkarainen^{f,g}, Tiina E. Lehtimäki^f, Gary W. Cline^{a,d}, Kitt Falk Petersen^{a,d},

Gerald I. Shulman^{a,d,e,1,2}, Hannele Yki-Järvinen^{b,c,1,2}

^aDepartment of Internal Medicine, Yale School of Medicine, New Haven, CT 06520, USA

^bMinerva Foundation Institute for Medical Research, Helsinki 00290, Finland

^cDepartment of Medicine, University of Helsinki and Helsinki University Hospital, Helsinki 00290, Finland

^dYale Diabetes Research Center, Yale School of Medicine, New Haven, CT 06520, USA

^eDepartment of Cellular & Molecular Physiology, Yale School of Medicine, New Haven, CT 06520, USA

^fDepartment of Radiology, HUS Medical Imaging Center, University of Helsinki and Helsinki University Hospital, Helsinki 00290, Finland

^gDepartment of Neuroscience and Biomedical Engineering, Aalto University School of Science, Espoo 00076, Finland

¹Co-Senior Author

²Co-Corresponding Author

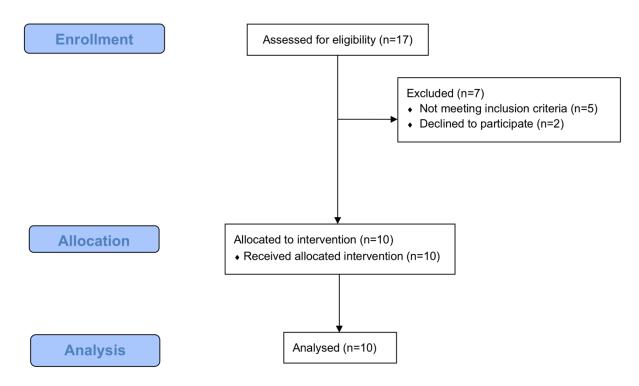


Figure S1. Flow chart of enrollment and allocation of study subjects and analysis of data.

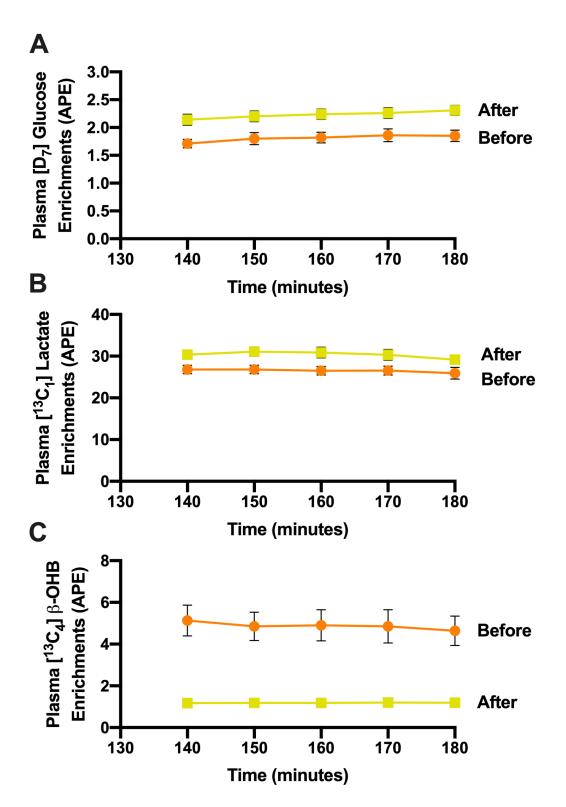


Figure S2. Steady-state plasma enrichments during PINTA before and after the 6-day ketogenic diet (n=10).

Table S1. Physical activity of the subjects assessed byaccelerometry during the 6-day ketogenic diet.

Accelerometer wear time (min/day)	837 ± 26
Energy expenditure during physical activity (kcal/day)	524 ± 70
Step count (n/day)	7241 ± 1068
Sitting time (min/day)	476 ± 34
Intensities of activity	
- Sedentary (%)	68 ± 2
- Light (%)	27 ± 2
- Moderate (%)	4 ± 1

Data are in means \pm SEM.