

Article

Sex-Specific Effects on Total Body Fat Gain with 4-Week Daily Dosing of Raspberry Ketone [4-(4-Hydroxyphenyl)-2-butanone] and Ketogenic Diet in Mice

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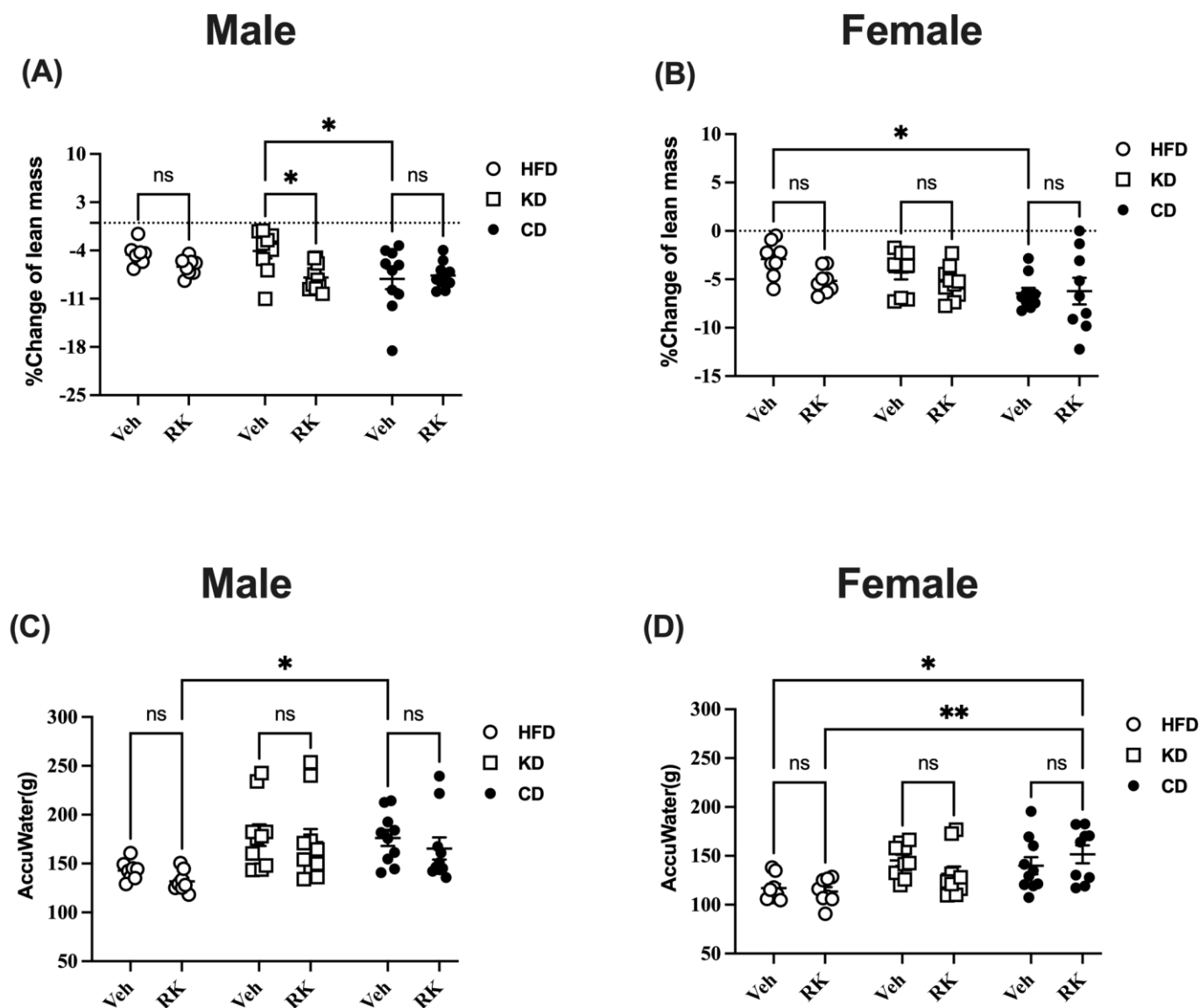
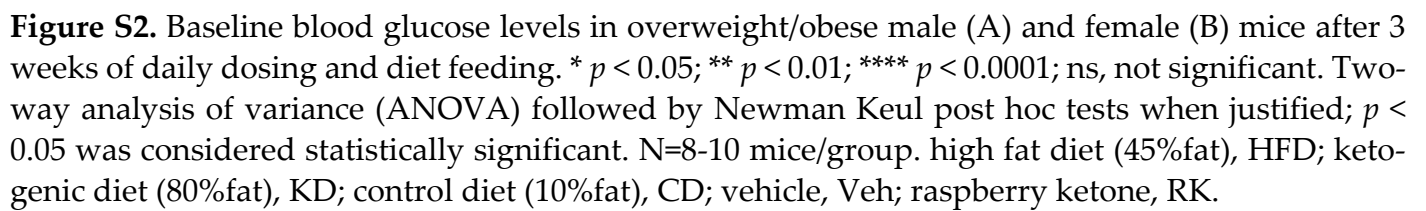


Figure S1. Percentage change of lean mass (A, B) and accumulated water intake (C, D) in overweight/obese male and female mice after 4 weeks of daily dosing and diet feeding. * $p < 0.05$; ** $p < 0.01$; ns, not significant. Two-way analysis of variance (ANOVA) followed by Newman Keul post hoc tests when justified; $p < 0.05$ was considered statistically significant. N=8-10 mice/group. high fat diet (45%fat), HFD; ketogenic diet (80%fat), KD; control diet (10%fat), CD; vehicle, Veh; raspberry ketone, RK; accumulated water intake, AccuWater.



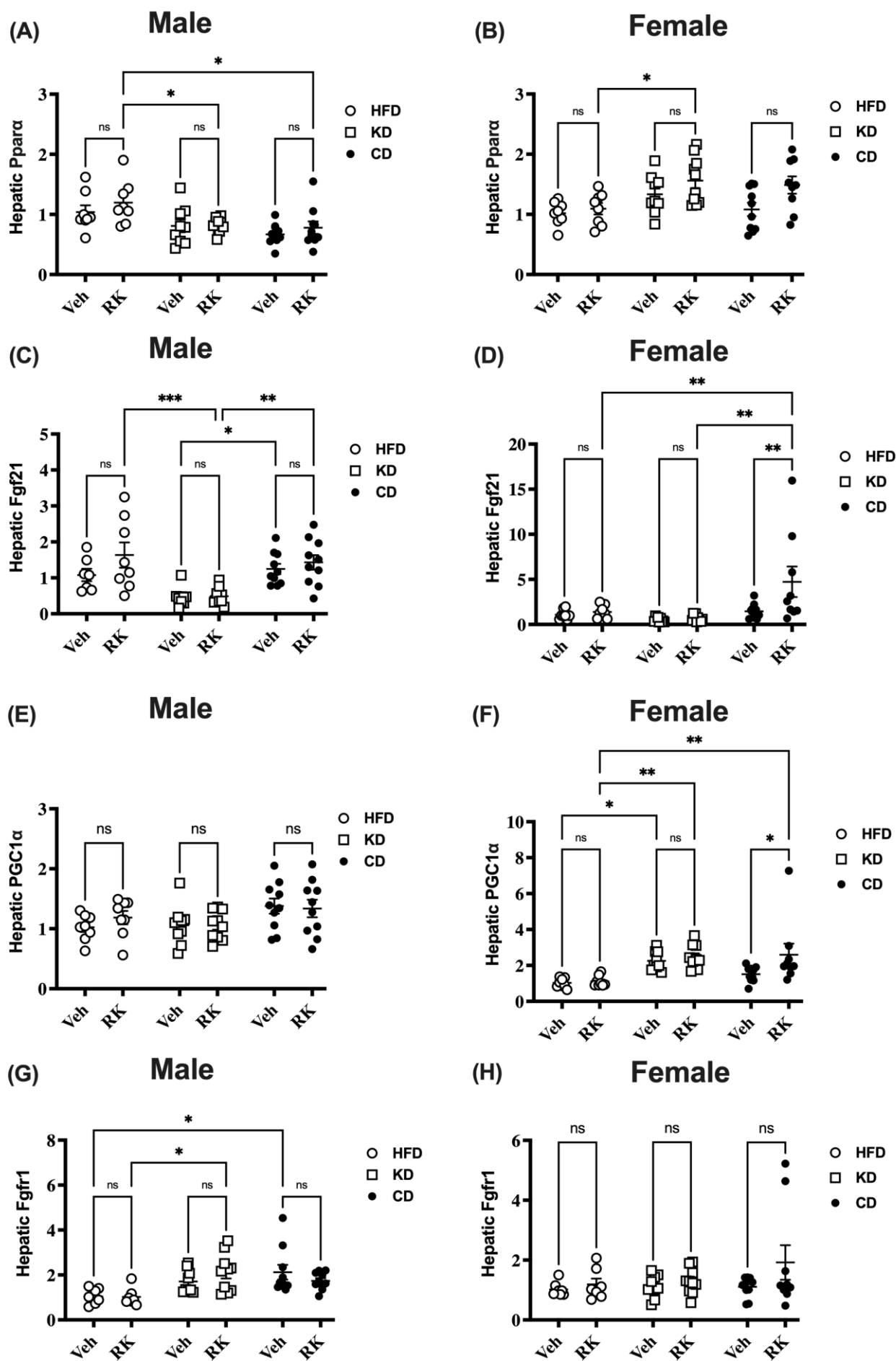


Figure S3. Hepatic gene expression of peroxisome proliferator-activated receptor alpha (*Ppara*) (A, B), fibroblast growth factor 21 (*Fgf21*) (C, D), peroxisome proliferator-activated receptor-gamma coactivator (PGC)-1alpha (*PGC1α*) (E, F) and fibroblast growth factor receptor (*Fgfr1*) (G, H) in overweight/obese male and female mice after 4 weeks of daily dosing and diet feeding. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; ns, not significant. Two-way analysis of variance (ANOVA) followed by Newman Keul post hoc tests when justified; $p < 0.05$ was considered statistically significant. N=8-10 mice/group. high fat diet (45%fat), HFD; ketogenic diet (80%fat), KD; control diet (10%fat), CD; vehicle, Veh; raspberry ketone, RK.