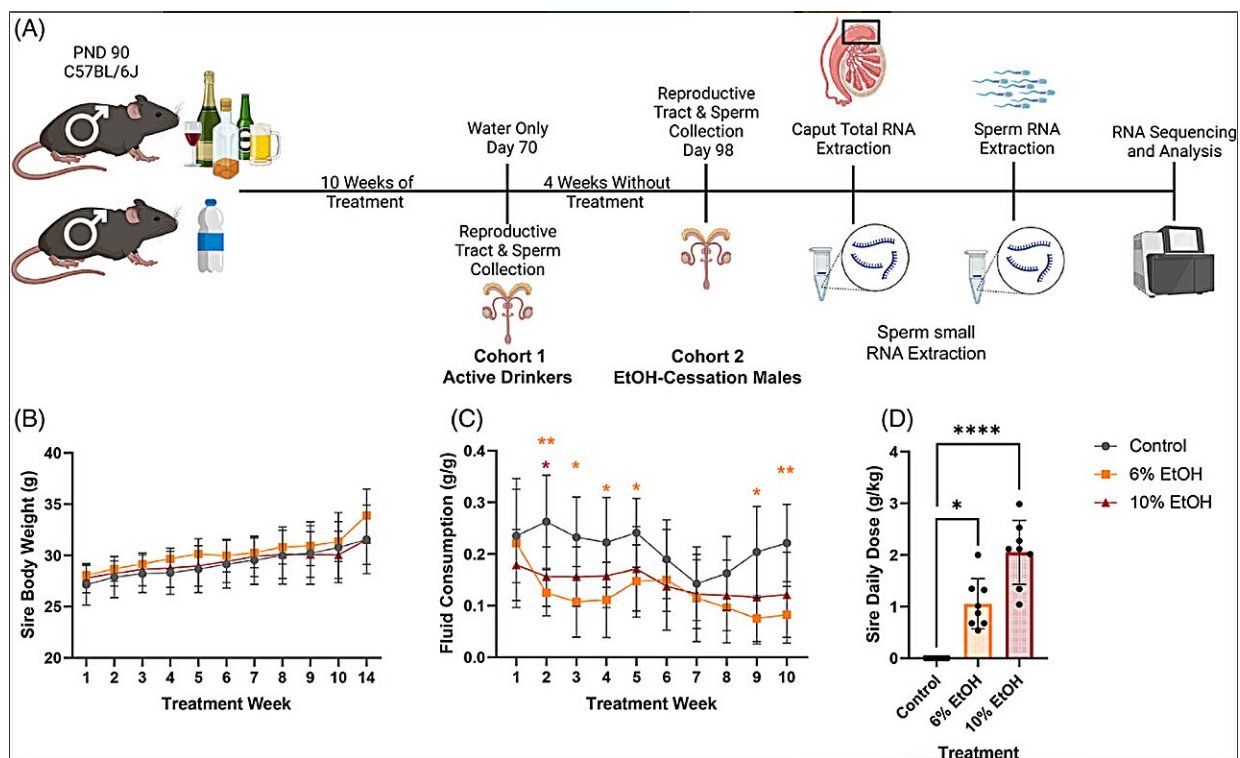


Researcher says men should abstain from drinking at least three months prior to conceiving

December 13 2023, by Courtney Price



A mouse model to determine the capacity of the sperm epigenome to recover 1 month after the cessation of alcohol exposures. (A) Experimental design: we exposed C57BL6/J males to 6% and 10% alcohol for 10 weeks, then collected tissues from a cohort of active drinkers (Cohort 1). We then ceased the alcohol exposures, allowed males to recover for four weeks, collected tissues and sperm (Cohort 2), then used RNA-sequencing to compare RNA profiles between treatments. Comparison of male (B) average weekly weight gain between treatment groups, (C) average weekly fluid consumption, and (D) average daily

dose of ethanol between treatment groups ($n = 8$). We compared treatments using either a two-way ANOVA followed by Tukey's post hoc analysis or a Kruskal–Wallis one-way ANOVA followed by Dunn's multiple comparisons test. For C, Asterix denote significant differences compared to the control treatment. Error bars represent the standard error of the mean, *p

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