The postnatal day ~60 (~P60) male, but not female, rats, that were exposed to anesthesia with sevoflurane for 6 h at P4, P5 or P6, spent a shorter time in open arms of the Elevated Plus Maze. Alleviating effects of bumetanide and RU28318.

**A**

**B**

**C**

**D**

Decrease in time spent in open arm is interpreted as increased anxiety-like behavior.
The postnatal day ~80 (~P80) male, but not female, rats, that were exposed to anesthesia with sevoflurane for 6 h at P4, P5 or P6, exhibited impaired Prepulse Inhibition (PPI) of the startle response.

%PPI = 100 \times \frac{P-(PP + P)}{P}

PP5 – prepulse (PP) intensity of 5 dB
P = 45 dB

%PPI = 100 \times P - (PP + P)

P = 45 dB

PP5 – prepulse (PP) intensity of 5 dB
P = 45 dB

%PPI = 100 \times \frac{P-(PP + P)}{P}

PP5 – prepulse (PP) intensity of 5 dB
P = 45 dB

%PPI = 100 \times \frac{P-(PP + P)}{P}
Anesthesia of P4-P6 rats with Propofol caused episodes of electroencephalographic seizures and continuous isolated spikes in electroencephalograms. Weaker effects of Etomidate.

Neither etomidate nor propofol caused seizure-like EEG patterns in P17-P22 rats.