

Letter to the Editor

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1 Letter to the Editor

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3 Correction to Tsuji2017

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5 Tsuji 2017 Jappl Physiol (doi 10.1152/jappphysiol.00232.2017 state on page 3

6 “*we are the first to demonstrate that hyperthermia-induced hyperventilation is not suppressed by the*
7 *resultant hypocapnia*”

8 This is incorrect.

9 Many previous studies in humans and other species have shown hyperthermia sustaining breathing
10 and furthermore at PCO₂ levels lower than Tuji achieved. Thus (Cunningham & O’Riordan, 1957)
11 showed that hyperthermia in Man by 2.9 °C stimulated breathing at PCO₂ levels of 25 mmHg,
12 (Iampietro *et al.*, 1961) showed hyperthermia in Man by 3°F stimulated breathing with a PCO₂ fall of
13 25 mmHg, (Rowell *et al.*, 1969) showed hyperthermia in Man by 1.5°C stimulated breathing with a
14 PCO₂ fall to 27 mmHg, (Saxton, 1975) showed hyperthermia in Man by 2.5°F stimulated breathing
15 with a PCO₂ fall to 22 mmHg and (Boden *et al.*, 2000) showed hyperthermia at 39.5 °C restarting
16 breathing during hypocapnic apnea at 11 mmHg.

17

18 Yours

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