## FALSE SUFFOCATION ALARMS, SPONTANEOUS PANICS, AND RELATED CONDITIONS: AN- INTEGRATIVE HYPOTHESIS\*

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A carbon dioxide hypersensitivity theory of panic has been posited. We hypothesize more broadly that a physiologic misinterpretation by a suffocation monitor rnisfires an evolved suffocation alarm system. This produces sudden respiratory distress followed swiftly by a brief hyperventilation, panic, and the urge to flee. Carbon dioxide hypersensitivity is seen as due to the deranged suffocation alarm monitor. If other indicators of potential suffocation provoke panic, this theoretical extension is supported.

We broadly pursue this theory by examining Ondine's Curse æ the physiologic and phalmacologic converse of panic disorder, splitting panic in terms of symptomatology and challenge studies, reevaluating the role of hyperventilation, and reinterpreting the contagiousness of sighing and yawning, as well æ mæs hysteria. Further, the phenomena of panic during relaxation and sleep, late luteal phæe dysphoric disorder, pregnancy, childbirth, pulmonary disease, separation anxiety, and treatment are used to test and illuminate the suffocation false alann theory.

Recent advances with regard to ambulatory monitoring of pal~ic disorder, catbon monoxide prevention of carbon dioxide panicogenesis, and naloxone/lactate challenge in normals will be presented.

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