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An Analysis of Panic Symptoms during Hypercarbia Compared to Hypocarbia in Patients with Panic Attacks

Jamie S. Chua*
Department of Cardiac Surgery, University of Maryland, United States

DESCRIPTION

Hypocarbia can be harmful and is strictly limited to emergency management of life-threatening intracranial hypertension until definitive measures are taken or to facilitate intraoperative neurosurgery. When used, $Paco_2$ should be normalized as soon as possible. Outside of these situations, Hypocarbia can do more harm than good. May induce Hypocarbia may be intentional to treat intracranial hypertension or unintentional due to Spontaneous Hyperventilation (SHV). SHV is common after subarachnoid hemorrhage. However, it has not been well studied in patients with severe Traumatic Brain Injury (TBI). The aim of this study was to describe the impact on traumatic brain injury incidence and outcome after severe traumatic brain injury. Hypoxia is the medical term for the lack of oxygen reaching tissues. There are many causes of hypoxia, but the most common is lack of oxygen. When the body is deprived of oxygen, it can lead to serious health problems. Hypoxia can affect any organ in the body, but most commonly occurs in the brain, heart, and lungs. Hypoxia is a lack of oxygen in the body, which can seriously affect athletes. When the body is deprived of oxygen, it can no longer produce energy efficiently, leading to fatigue and ultimately poor performance. Hypercapnia is an excess of carbon dioxide in the blood and has serious consequences for athletes. When there is too much toxic carbon dioxide in the body, the body cannot get rid of it fast enough, causing many problems such as respiratory failure. Both hypoxic and hypercarbic training improve endurance, helps increase the amount of oxygen available to the body and protects muscles from damage. In addition, hypercapnia training can improve strength, power and sprint performance. Both forms of exercise have been shown to be safe and effective in multiple sports. So, if you want to give yourself a competitive edge, consider adding hypoxic or hypercarbic training to your routine. Scientists also believe that one of the main differences between endurance athletes and non-athletes is their response to low levels of oxygen in the blood (hypoxia) and high levels of carbon dioxide (hypercapnia). It also shows that there is In an article published in Medicine and Science in Sports, the authors found that non-athletes' respiration responded to changes in oxygen and carbon dioxide levels more than endurance athletes doing the same exercise. I also found it to be much heavier and faster. The authors state that this ease of breathing in the athlete group could explain its association with "reduced respiratory chemo-sensitivity and superior exercise endurance performance." Being low is a major contributor to the superior endurance of these athletes. In another study, exercise physiologist Xavier Oulons found that trained athletes breathed less than untrained men. This may be due to a reduced hypercarbic respiratory response (increased carbon dioxide tolerance) in trained athletes. In other words, endurance athletes can tolerate higher blood levels of carbon dioxide and lower levels of oxygen during exercise. Changes in blood gases do not significantly affect respiration. Reducing respiratory rate has itself been shown to reduce the respiratory response to carbon dioxide. For optimal performance in sports, it is important that your breathing does not overreact to increased carbon dioxide levels and decreased oxygen levels. Vigorous exercise requires more oxygen consumption. It also increases the production of carbon dioxide.

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CONFLICT OF INTEREST

The authors declare no conflict of interest.

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Corresponding author Jamie S. Chua, Department of Cardiac Surgery, University of Maryland, United States, E-mail: js_chua@lumc.nl

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