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**Prospective**

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[Hypothermia of the brain - a prospective method for preventing the development of complications of sports craniocerebral injuries](#)

Cerebral brain injuries (CBIs) account for up to 20% of all injuries in boxing. Approximately 97% of sports-related brain injuries are mild, their neurological symptoms are unexpressed, and young, strong, highly motivated athletes tend to dismiss the severity of their injuries. This may lead to an underestimation of the severity and extent of brain injuries. Changes in computed tomography (CT) and magnetic resonance imaging (MRI) in mild traumatic brain injury are absent in the early stages, making diagnosis difficult. Frequent repetitive traumatic brain injuries, including mild brain injuries, can result in functional and structural brain lesions that affect athletes' performance and, in the long term, significantly impair their quality of life. Also, the consequences of cerebral brain injuries, including mild brain injury, can be affected by the individual condition of the Circle of Willis.

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