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Analysis on the Hotspot and Content of Exercise Therapy for the cerebral oxygen in Foreign Countries——Based on Visualization Research of Scientific Knowledge Map

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Objective To analyze the hotspot of exercise therapy for cerebral oxygen .

Methods This study is based on academic literature between 1982-2017, which are retrieved from Web of Science. The author uses the software of CitespaceIII to make visual analysis for 1701 literatures.

Results There has been a steady growth in the publications, countries with most publications include American, Japan, England, Germany; research institutions are mainly composed of universities in Europe and America; authors form a major cooperative team but with no obvious cross regional and institutional cooperation; the research focus on the influence of cerebral blood flow and metabolic, the pressure of carbon dioxide on cerebral oxygen during exercise which pay close attention to cognition; research hotspot is mainly concentrated on the link among cerebral blood flow, metabolism, automatic control of the brain, cognition and cerebral oxygen.

Conclusions in the individuals of cardiovascular diseases research hotspot reveals low to moderate exercise is a better way to improve cognition in view of cerebral oxygen.