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Scientific evaluate quantification of social and behavioral by scalp Acupuncture on children with autism spectrum disorder

Abstract:

Autism spectrum disorders (ASD), a severe and pervasive heterogeneous neurodevelopment disorder, is characterized by impaired social interaction and communication, repetitive behavioral patterns, and restricted interests. Many aspects of ASD are still debatable, with elusive and complex etiologies, and no effective therapy exists. At present, many studies have verified the effectiveness and safety of acupuncture in the treatment of autism. However, the results should be explained cautiously due to methodological weakness. In order to obtain powerful evidence of the effectiveness and safety of acupuncture in the treatment of ASD, it is worth designing a study with higher methodological quality. We summarize the potential mechanism of acupuncture in the treatment of ASD. We found the mechanism of acupuncture treatment of ASD is still unclear. On the one hand, due to the complex etiology and biochemical changes of ASD, it is a neurodevelopmental disorder syndrome with a variety of biological factors. On the other hand, there are few basic researches on the mechanism of acupuncture in the treatment of ASD. There is still a long way to go to reveal the secret of this mechanism. Acupuncture has a short history in the treatment of autism, but the application of scalp points has achieved remarkable curative effect. There are different kinds of scalp acupuncture therapy in clinic. Thus, we put forward “Xingnao Kaiqiao scalp acupuncture therapy” and bring forth the need for well-designed, rigorous clinical and experimental studies to provide formidable scientific evidence validating the efficacy and safety of acupuncture in the treatment of ASD.

Biography

Zhenhuan Liu, professor of pediatrics/ Ph.D.tutor• Standing Director of International Association of Neural Restoration• Vice-chairman of Rehabilitation professional committee of Children with cerebral palsy, World Federation of Chinese Medicine Societies• Vice-chairman of Professional committee of child health World Federation of Chinese Medicine Societies• Visiting Professor of Chinese University of Hong Kong• Professor Liu was included in the Dictionary of World Celebrities of Cambridge University UK• Editorial Board World Journal of Physical Medicine and Rehabilitation. Zhenhuan Liu professor of pediatrics, Pediatric acupuncturist Ph.D.tutor• Standing Director of International Association of Neural Restoration• Vice-chairman of Rehabilitation professional committee of Children with cerebral palsy, World Federation of Chinese Medicine Societies• Vice-chairman of Professional committee of child health World Federation of Chinese Medicine Societies • Visiting Professor of Chinese University of Hong Kong in recent 10 years. • Professor Liu was included in the Dictionary of World Celebrities of Cambridge University UK.