



COMPOSITION OF LACTIC ACID BACTERIUM FOR USE IN

PREVENTING OR TREATING RETT SYNDROME

PI : Prof. WANG-TSO LEE

Department of Pediatrics of the National Taiwan University Hospital

Experience:

<https://scholars.lib.ntu.edu.tw/cris/rp/rp06725/information.html>

<http://www.ntuchneurology.com.tw/contents/05-1.htm>

Market Needs: Rett syndrome is a rare genetic neurological disorder without an effective treatment. With a worldwide occurrence of 1 in every 10,000 female, Rett syndrome is usually recognized in children between 6 to 18 months as they begin to miss developmental milestones or lose abilities they had gained. Gradually, Rett syndrome leads to severe impairments in development, the most prominent and handicapping aspect of Rett syndrome is apraxia or dyspraxia, the inability or difficulty to control the body to perform motor movements. As a result, all kinds of body movements are affected, including eye gaze and speech, making it difficult for the Rett syndrome patients to voluntarily carry out daily tasks. Treatment for Rett syndrome is only palliative for now, and any reduction of psychomotor or neurological symptoms in individuals with Rett syndrome would be beneficial to the patients and their family. There remains a need for a safe and effective method to prevent or treat the psychomotor or neurological symptoms related to Rett syndrome.

Our Technology: A safe and convenient method for preventing or treating Rett syndrome, through administration of a composition of lactic acid bacterium. Our technology improves dystonia and cognition in Rett syndrome patients.

Strength: At present, there is no effective method for improving cognition and dystonia in a patient with Rett syndrome, and our technology provides a method that is both convenient and safe.

Competing Products: NONE

Intellectual Properties:

Currently there is no known treatment that could improve both dystonia and cognition in a patient with Rett syndrome. Our data show significant improvement in both dystonia and cognition in a patient with Rett syndrome.

Contact (do not need to fill out):

Center for Industry-Academia Cooperation, NTU

Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw