

Med Hypotheses. 1992 Nov;39(3):238-42.

Monoclonal antibody therapy in the treatment of Reye's syndrome.

Treon SP, Broitman SA.

Department of Microbiology, Boston University School of Medicine, MA 02118.

A role for lipopolysaccharides (endotoxins, LPS) in the pathogenesis of Reye's syndrome (RS) has previously been suggested. Impairment of hepatic LPS clearance can lead to systemic endotoxemia as previous studies by this and other laboratories have suggested for several hepatic disorders including RS. Systemic LPS may mediate many of the clinical findings associated with RS by eliciting monokines such as tumor necrosis factor-alpha, interleukin-1, interleukin-6, and interleukin-8. Monoclonal antibody therapy directed at LPS, and monokines may represent a novel approach to the treatment of RS.