

Mechanical Effects on the Brain of Abusive Head Trauma

Mayu Sakurai¹

Tomoyuki Miyashita² and Masahiro Sugimoto

¹ Waseda University

Carrying and moving softly is common in infant care. However, shaken baby syndrome is sometimes caused unexpectedly, leading to death or permanent disability. The mechanical effect on the baby's brain must be clarified to understand this mechanism. Here, we focused on the behavior of the cerebrospinal fluid, which fills the space between the skull and the brain, using fluid analysis to examine the risk of vibration and impact.