

A Four-Month-Old Infant with Shaken Baby Syndrome

Atsushi OGAWA, Takashi KODAMA, Chizuru FUJIWARA,
Sadatoshi FUJIKAWA and Akihisa MITSUDOME

Department of Pediatrics, Fukuoka University School of Medicine

Abstract : A four-month-old infant presenting with a loss of consciousness and respiratory failure was admitted to our hospital. Head CT showed a subdural hemorrhage in the occipital region and a subarachnoid hemorrhage in the frontal region. Diffusion-weighted magnetic resonance imaging (MRI) after 19 hours showed an increased signal intensity of the bilateral temporal, occipital and parietal brain matter. The patient also had bilateral retinal hemorrhages. She was treated by a serial subdural tap. One month later, head MRI showed multicystic encephalomalacia. In this case, the baby's father and mother denied any history of shaking the baby. However, we finally diagnosed this case to have shaken baby syndrome, as a result of child abuse. Early radiographic testing such as head CT and MRI were useful for the diagnosis of shaken baby syndrome.

Key words : Head injury, Battered child syndrome, Retinal hemorrhage, Chronic subdural fluid collections, Subdural tap