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Effectiveness of ACV for Meniere's Disease(MD).

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A study group has been formed by the Ministry of Health and Welfare to fight against MD. But etiology of MD is still unknown. Many patients experience recurrence. The antiviral medicine, ACV has been effective for Bell palsy and Ramsay-Hunt syndrome. Analysing the above fact, the writer suspected  $\alpha$ -herpes subtype to be the cause of MD, administered ACV for the patients and saw a drastic effectiveness. Between October 1990 and April 1995, ACV 2000mg/day was given to 179 patients for the average period of two weeks. Out of those 179 cases who visited my clinic suffering from vertigo, ear tingling and impaired hearing, 4 of them were diagnosed at my clinic and the rest by otolaryngologists 89 cases were diagnosed as MD, 63 as Meniere's syndrome, 18 as vestibulodysfunction and 9 as others diseases, 57 were male (19 yrs to 81 yrs of age) and 122 female (19 yrs to 84 yrs of age). Among those cases, 20 experienced recurrence but the symptoms were much less severe. Upon the patients' request, ACV was administered again which lead them to recovery from the disease. The effectiveness of the above mentioned dosage showed the ratio of more than 80% including effective and extremely effective. I would like to present the statistics of those 179 cases and introduce some of the typical recovering process.

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A new method to introduce antiviral substances directly into the brain

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Subacute sclerosing panencephalitis (SSPE) is the slow virus infection due to persistent infection of a defective measles virus (SSPE virus) in the brain. We confirmed in vitro that liposomes containing fragment A of diphtheria toxin destroyed selectively SSPE virus-infected cells. To examine the effect of the liposomes in vivo, we tested the liposomes in the brain of hamsters infected with SSPE virus. Slow (1  $\mu$ l/sec), large amount (2 ml) and direct introduction of the liposomes into the brain using a peristaltic pump was effective to prevent onset of a neurologic disease of the hamster. This method can be used to introduce interferon directly into the brain. When the liposomes were introduced into the brain slowly, they did not cause any adverse reactions.