

ied the correlation of the scores of the "word comprehension" and each subcategory of the "basic behavior of language development." Second, we classified the subjects into contrasting word comprehension groups: established and unestablished groups. These groups were compared from the standpoint of pass or fail on each item of the "basic behavior of language development." Subsequently, we examined one case (No. 8) who progressed markedly in language development from the first to the second evaluation. The results were as follows. First, strong correlations were recognized between the "word comprehension" and the "interpersonal relationship" and the "symbolic behavior." Second, thirteen items were selected relating to word comprehension establishment. Among the thirteen items, six items were supposed to be related to "pointing," two items to "imitation" and two items to "symbolic play." An especially strong statistical relationship was found between word comprehension establishment and "pointing" and "imitation." Case No. 8 progressed in "pointing," "imitation," "symbolic play" and word comprehension simultaneously. These results suggest that such pre-verbal behaviors as "pointing," "imitation" and "symbolic play" are strongly related to word comprehension establishment.

Mitsushiro NAGAO, Noriki NAGAO and Shuji MATSUEDA : Marathoner's Injuries as Observed at Medical Relief Stations

The purpose of this study was to study the problem of injuries to runners by examining runners who came to medical relief stations during a marathon. The chief complaints of the runners who came to the first-aid stations were ascertained at the 17 km and 35 km points of the Kawaguchi Lake marathon race. The questions asked included their age and how many times they had taken part in full marathon races. The runners who had not participated in many full marathon races complained about blisters and plantalgia. It is necessary to select proper running shoes and use them properly to prevent these disorders. Thirty eight percent of all runners who came to the aid stations at both the 17 km and 35 km points complained of pain in the gastrocnemius. The runners who ran long distances and had participated in many full marathon races complained of pain in the hamstring. It is important that runners should stretch the hamstring and other muscles in the lower extremity after running. The runners who ran long distances also complained of pain in the lateral side of their knee joints. It is necessary for them to take another look at their running form or restructure the insole of their shoes.

Hiroko MINE and Kenji NINOMIYA : Changes in Properties of Coagulase Negative Staphylococci Adhering to the Fingers by Aging

Sixty strains of coagulase negative staphylococci (CNS) were isolated from 20 healthy young people in their twenties and 40 CNS strains were obtained from 15 healthy old people in their fifties. The species of the isolated CNS were determined by using Api Staph. Forty one strains

out of the 60 CNS strains derived from the younger group (68.3%) and 21 strains out of the 40 CNS strains derived from the older group (52.5%) were identified as *Staphylococcus epidermidis*. Species of CNS strains other than *S. epidermidis* originating from both group were also studied and the differences are discussed.

The susceptibility of the isolated strains to 10 antibiotics was measured by the agar plate dilution method. It was clearly shown that all the CNS strains were more susceptible to 4 antibiotics, namely penicillin G, Ampicillin, Novobiocin, and Tetracycline. Also, the CNS strains other than *S. epidermidis* which were isolated from the younger group were found to be more susceptible to these 4 antibiotics when compared with the older group. Susceptibilities of 6 cepheids that are Cephalothin, Cephathiam, Cefazolin, Cephpiramide, Cephotaxime and Cefuroxime to those two groups of strains showed no significant difference between two ages.

Susceptibilities of *S. epidermidis* derived from two different ages were almost same with all of the 10 antibiotics tested.

Toyohiro TAGUCHI and Norihiro KANAYASU : Investigation of Subjective Symptoms of Fatigue in Workers at a Sheltered Work Institution for the Physically Handicapped

No abstract

Hajime TABUCHI, Kazuo TAKEUCHI, Toyohiro TAGUCHI and Motoshiro MANO : A Study of the Effect on Students of Field Work in Social Work Education

No abstract

Shinji MIYAHARA, Hiroe HITOMI, Takako SHINDOH, Reiko SEITA and Shigeko NISHIMURA : A Study about Dying in a Special Nursing Home for the Elderly

No abstract

Chiemi TOKUYAMA and Hiroe HITOMI : Bearing the Cost of Community Volunteer Programs — Free or Charged —

No abstract