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The Effect of Home-based Program of Sensory Integration on Development among Delayed Developmental Children

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Objective : To develop a home-based program of sensory integration and to evaluate its effects of on development among delayed developmental children.

Description/Report: Using case-control research design, the patient group was derived from 7 to 36 month old delayed developmental children(n=62) who had been treated by occupational therapists in the Department of Rehabilitation Medicine in a Medical Center in Seoul. Data were obtained by two groups; control(n=30) and experiment(n=32). Based on preliminary results, ten home-based program of sensory integration were designed to improve tactile, vestibular sense, proprioception in delayed developmental children and further validated by two professor of occupational therapy. This home-based program of sensory integration, which takes 30 minutes a day, could be easily done by parents at home without any instruments.

Result: Compared to the control group, the experiment group treated by the home-based program developed showed statistically significant improvement of Personal-Social, Fine motor-Adaptive and Language development. The home-based program affected sensibility of delayed developmental children in a positive way.

Conclusion: The home-based program of sensory integration developed showed its effectiveness in developing some development among delayed developmental children and helps their parents care for the children at home.