The Clinical Evaluation of a New Type Walker with Seat and Two Fore Sleds

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We have developed a new type 4-wheel walker with 2 fore sleds to evaluate its effect to prevent the depression of body function after the femoral neck fracture and other disease.

The rate of getting bedridden patients after femoral neck fracture has been reported so high in Japan. Actually one research has reported the rate over 20% (1).

In our study, 47 patients are evaluated whose diagnosis are 15 post-operative femoral neck fracture, 4 compression fractured spine, 2 chronic rheumatism, 14 other orthopedic disease, 8 hemiplegia due to cerebral infarction, 3 Parkinson's disease and 1 Multiple Sclerosis. And 34 examiners consist of rehabilitation doctors and physical therapists.

Self Care activity, Bowel and bladder control, Mobility and Locomotion in the modified Functional Independent Measure Test are confirmed to be significantly effective by Sign test (2).

We could conclude our new walker that brought about the good results to the old disabled elderly, however there are reports that rehabilitation wasn't effective such as Yamasaka (3) or Tanaka (4). So we insist on never to give up for their independent life to offer devices like this walker for safety living and rehabilitation services.

Reference:
3) Nanako Yamasaka, et all: The examination of the elder femoral head fracture patient who didn't reach walk independence at the time of the discharge from the hospital. The 9th Kanagawa Physical Therapist academic meeting, presented: No. 18. 1991.11.9
4) Eiji Tanaka, et all: Rehabilitation at our hospital. The 35th Annual Meeting of JARM, presented No. II-K-2. 1998.5.29

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