Bibliographical Study on the Development of Horticultural Therapy in Japan

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Keywords: ENGEI-RYHO (HT), ENGEI-SERAPI (HT), ENGEI-FUKUSHI (horticultural well-being), AGRI-SERAPI (agri-therapy), HORUTO-SERAPI (hort-therapy), HORUTIKARUTYURARU-SERAPI

Abstract
The practise of horticultural therapy in Japan has only 10 years of history. However, during these 10 years it has expanded and developed tremendously. This paper deals with the developmental change of horticultural therapy through analysis of the documents published in Japanese.

INTRODUCTION
Horticultural therapy was introduced in Japan in 1978 as ENGEI-NI-YORUCHIRYOU (Therapy through horticulture) in a book of horticulture and in 1981-1982 as ENGEI-RYHO (Horticultural therapy) in a newspaper and a horticultural magazine, but they did not induce Japanese interests in establishing horticultural therapy as a professional area. In 1991 it was re-introduced in documents, and in 1993 a Japanese and an American specialist presented a lecture on horticultural therapy in Kobe and in Tokyo, respectively, triggering in part the Japanese interest in it. After these events, documents on horticultural therapy increased dramatically year by year, many study groups were organized, many parties left for oversea countries on study tours of horticultural therapy, many short term courses for study and training in horticultural therapy were opened by study groups, practical trials in horticultural therapy were begun, and some colleges and/or professional schools opened subjects on horticultural therapy. These movements in horticultural therapy in Japan changed the contents of horticultural therapy documents. To understand this shift, the authors compiled a database of Japanese documents on horticultural therapy published from 1991 to 2000. These documents traced clearly the developmental changes of horticultural therapy in Japan.

MATERIALS AND METHODS
Survey of HT News Items
News items about HT appeared in 1993 and increased dramatically until 1999 (Fig. 1). From 2000, however, the numbers of news items decreased, indicating that HT is no longer seen as news because it has spread across Japan.

There were many terms used relating to HT in Japan such as ENGEI-RYHO (HT), ENGEI-SERAPI (HT), ENGEI-FUKUSHI (horticultural well-being), AGRI-SERAPI (agri-therapy), HORUTO-SERAPI (hort-therapy), and HORUTIKARUTYURARU-SERAPI (horticultural therapy) (Fig. 2). The ENGEI-RYHO, Japanese translation of HT, has been most frequently used among them.

Survey of Published Documents on HT
The authors compiled a comprehensive database of Japanese documents on HT published from 1991 to 2000 in newspapers, general audience magazines, as well as professional publications and books. These documents traced clearly the developmental changes of HT in Japan. We collected 1,351 documents in Japanese (Table 1) with the