To establish the new civilization for the solution of the aging crisis.

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The meaning of the Biophilia

An etymology of a biophilia is Latin and is also mentioned with the instinct of the preservation of race as defined in Japanese-English dictionaries, in American dictionaries it is defined as an appreciation for life. And also bio is life and phillia is love in Greek.

The preface of "The Revolution of Hope" as described by Erich Fromm who is an American philosopher is a reference for biophilia.

He described "The love of life which exists in most of us is a latent power that is mobilized and whose behavior can change and can bring about change when life is threatened by danger and is fully recognized."

A representation, which has been authorized by Biophilia Rehabilitation Academy according to the proposal of Mr. Takizawa, of "the heart and will that motivates a person to keep a respectful life even when they become handicapped" is done based on the description of biophilia as described by Eric Fromm.

Fact

We reported the result that 21 people in 35 who had been evaluated with apraxia of gait of the 49 evaluation targets had re-acquired walking by the research with the national grant by the physicians and/or physical therapists in 2000 and 2001 due to performing the developed rehabilitation program to bedridden patients with a stroke, osteoarthritis and other medical problems.

Most of all the patients of double-hemiplegia by multiple infarctions who had become bedridden could not reacquire walking. The disabled elderly with most of the deficiency of acroparalysis who had become bedridden could not reacquire walking even if there are no abnormal findings that originate from the external injury by view of the X-rays. When patients who were hospitalized in the specialized bedridden disabled elderly hospital that had 226 beds were apraxia of gait without 10 people in 1988. 59 people in 193 inpatients who rehabilitated in 1994 have acquired
A woman, 91 years old who had been bedridden by double-hemiplegia had improved the activities of daily living (ADL), reacquired walking and maintained independence of ADL for 3 years.

The Biophilia Rehabilitation Academy defined the Takizawa rehabilitation program, the Motivative exercise and the Biophilia Rehabilitation, which consists of Takizawa program that is characteristics such as to be catalogized, never to exercise on mats as ROM exercise, to exercise without pain, to perform this process to many patients by one therapist in the same time and to be rehabilitated by both nurses and caregivers under the appropriate guidance, the Motivative exercise that expresses the movement of own functional extremity can accompany the movement of own impaired extremity by help of the devices developed and home care. And it is important and necessarily that both of own motivation of the patients to acquire walking from bedridden and the physical therapist motivates the patients to do. The devices are consisted of both commercial products and inventions such as a cushion for positioning, the upper and lower extremities training devises, a flexible leg brace and the walker that has two casters composed with the slide and two wheels.

Process
   Member of a city council in Fujisawa City.
   The portion of the meetings start
   Population prediction and policy.
   The prediction of population ratio)
1987-1994 From care reliance to independence.
   Increasing of care reliance person.

<table>
<thead>
<tr>
<th>Welfare Ministry</th>
<th>The population ratio of 65 years old at 2025</th>
<th>1 to 5, 1 to 4 in the city council</th>
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<td>JP</td>
<td>Takizawa</td>
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</table>

(Table 1: The prediction of social security payment)

Over 3.7 trillion dollars

Japanese total amount of privately earned income 2.07 trillion dollars

Over 1.82 trillion dollars
Rehabilitation system that enable independence
The 21st century rehabilitation study meeting.
Development and offer of the devices that support systems.
1995-1997 The acquisition of walking.
Mankind live a brilliant life all over the world.
The start of the research by the physical therapist as a melting pot.
The zeal for the acquisition of walking from bedridden.
Participation to the study of doctors.
The present condition
Asking you to participate

Program The Takizawa program. About the stage and the adaptation for physique position for each training devices.

<table>
<thead>
<tr>
<th>Stage</th>
<th>Super acute / acute</th>
<th>convalescence</th>
<th>chronic</th>
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<tr>
<td>physique position</td>
<td>bed rest, sitting</td>
<td>sitting</td>
<td>standing</td>
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<tr>
<td>Training with</td>
<td>Position by Cushion</td>
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<td>*</td>
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<tr>
<td>Developer's devices</td>
<td>lower extremities named</td>
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<tr>
<td></td>
<td>PATAKORO</td>
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<td></td>
<td>Flexible leg brace</td>
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<tr>
<td></td>
<td>RAKU walker walking</td>
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<td>*</td>
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<tr>
<td>Both</td>
<td>upper extremities</td>
<td>*</td>
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<tr>
<td></td>
<td>trunk training named</td>
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<td>KONNICHIWA</td>
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<tr>
<td>Market goods</td>
<td>Weight band 0.5 Kg for lower extremities</td>
<td>*</td>
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<td>Hot pack and Microwave</td>
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<td>The parallel bars for standing position training (for 10 seconds)</td>
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<td>Front-back walk and Side walk in the parallel bars</td>
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Future
We, the researchers who established the Biophilia Rehabilitation Academy expect to downsize the occurrence of the disabled geriatric population from 16% to 10% or less in Japan in 2025 and at the same rate in other countries as a result of our studies.

The prevalent of the Biophilia Rehabilitation will contribute to the disabled elderly achieving care-independence and budget cuts that propose the solution for the aging crisis.

We made the hypothesis that the paralyzed part of the nervous system are re-activated due to vitalizing the extension and flexion motor neuronal circuits as a result of the exercise and are trying to prove that. And we admitted to study the evaluation standard that can reflect such results.

The aging is good. It was permitted by progress of the medical science and welfare, and / or God but one problem for mankind has occurred. It means the occurrence and increase of the disabled aged people who need care.

I believe that we can solve this problem with the study by the Biophilia Rehabilitation based on the new general idea.