Super-Aged Society Sustainable by Restructuring Rehabilitation Medicine

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Abstract

Our research proposes to challenge the established roles within our current civilization. We human beings have extended our survival to an advanced age amongst many countries. Therefore, the increase in elderly people means the increase in nonworking dependents. From nonworking dependents' increase viewpoint, it brings about economic stagnation and expansion of the social security expenditure that we wouldn't enable to maintain. We would like to and must establish the new civilization, in which the increase in elderly people doesn't mean a negative factor, by realizing the paradigm shifts within the rehabilitation medicine and thereby changing the meaning of the aging. The first paradigm shift, the theme of this year's conference of the International Biophilia Rehabilitation Academy (IBRC 2014), "To Restructure the Rehabilitation Medicine" was set by the conference chair and then promoted from each research domain in the posters for this conference. The author unifies those subjects and describes our academic activity, as well as research how the new civilization establishment has been enabled thus far.

1. Our academic activity

"Establishment of the new civilization in which the increase in elderly people does not make a negative factor and holding of the International Convention" was the title of the wired report by the Jiji Press after the 1st IBRC. We called this convention IBRC2002 "From CARE RELIANCE to INDEPENDENCE". My keynote lecture was titled "To Establish the New Civilization for the Solution of the Aging crisis".

The author and most of Japanese members (IBRA) applied for a research grant for the social engineering, and titled it "Aiming at Construction of the New Civilization: Adapt to a Super-aged Society" in 2003. It is a proposal for the creation of a new civilization on the basis of establishing individual independence from others' dependence on a group of the second paradigm shift, especially for Japanese. However, the IBRA aims at just the title described in the grant which was not adopted as the 2003 application shown below.

1.1. Our titles purposed:

2001: Study of the Biophilia Rehabilitation Network Construction and the Society, in which Elderly Participate Actively, the grant by Japan Science and Technology Agency (RISTEX)

2003: Aimed at Construction of a New Civilization Adapting to a Super-aged Society (RISTEX)

2007: Research to establish a society, in which the advanced age handicapped can live independently, although a population pyramid inversion society" (RISTEX)

2008: "Investigation of the paradigm shift which realizes generation symbiosis"(RISTEX)

2014: Super-aged Society Sustainable by Restructuring of Rehabilitation Medicine (RISTEX)

1.2. Importance of the outsider

The author described in the application in 2008 showed references as follows: Persons related to the field of rehabilitation medicine initially showed rejection of the contents that voiced a doubt for the system, which had been built by them. In charge of examinations, even if a paradigm shift is expected to the rehabilitation medicine, please don't realize only the current one of being worthy.

Like the Ptolemaic Theory and the Copernican Theory, please understand that it is necessary to stimulate change from the outside in order for a big conversion to awaken and take effect. The essence of our research in rehabilitation medicine studies is not only medical studies but the research for contributing to a social change that the titles shown above have mentioned. Regrettably, it was not enabled in order to obtain an understanding to any application, of which, in essence, could contribute to a social change.

2. The Researches by obtained Grants

We have continued the research by obtaining 20 public research grants including 8 Kaken Grants related to social science, medical science, and engineering as shown in the following clause. These research enabled each participant's study.

2.1 We enforced the studies following to prove those and to realize further: (Research representative, signed name by the help of the author: Unsigned, by the author)

- FY2009~FY2011, KAKEN (A) by Ministry of Education, Culture, Sports, Science and Technology (MEXT), Prof. Yoshiyasu Takefuji, Keio University, The Network Study for advancing home rehabilitation, <http://kaken.nii.ac.jp/en/p/21249036>
- FY2008, KAKEN (B) by MEXT, Prof. Ichiro Watanabe, Aomori University of Health and Welfare, The effect given to a sympathetic nerve function of Local limb movement and physiotherapy, <http://kaken.nii.ac.jp/en/p/20300197/2008/3/ja>
- FY2006~FY2007, Japanese National Foundation, Association for Technical Aids, President Tetsuhiko Kimura, Biophilia Rehabilitation Academy, Actual research of the role and use of the welfare equipment in bed sore prevention
- FY2006~FY2007, KAKEN (C) by MEXT (18560245) , Prof. Hajime Takada, Yokohama National University, Development of recovery evaluation system based on rehabilitation treatment results, <http://kaken.nii.ac.jp/en/p/18560245>
- FY 2006, Welfare And Medical Service Agency, Workshop for the motivative exercise which enables an independence life for the disabled elderly, <http://jiritu.org/wam2.html>
- FY2005~FY2006, KAKEN (Sprouting) by MEXT (17651094), Prof. Mitsuyo Makita, Niigata University of Health and Welfare, Research of requirements in the case of changing the care insurance to Volume compensation, <http://kaken.nii.ac.jp/en/p/17651094>
- FY 2005, NEDO Grant, Prof. Hajime Takada, Yokohama National University, Improvement of look detection technology, and application of the industrial field
- FY 2005, Welfare And Medical Service Agency (Longevity), President Tetsuhiko Kimura Biophilia Rehabilitation Academy, The study of local Rehab net construction by the elderly selves, <http://www.jiritu.org/wam1.html>
- FY2005- FY2006, KAKEN (C) by MEXT, Prof. Tetsuhiko Kimura International University of Health and Welfare, Research on the Bed sore after the Introduction of the Agenda for Reduction to the Non-provision for Bed sore
- FY 2004-FY 2005, KAKEN (C) by MEXT, Prof. Yoshiyasu Takefuji, Keio University, Database development and analysis for the standardization of the degree evaluation data of recovery based on rehabilitation, <http://kaken.nii.ac.jp/ja/p/16500069>
- FY 2003, Japanese National Foundation, Association for Technical Aids, Surveillance study for independent living and improvement in ADL of the postoperative femoral neck fracture by welfare devices
- FY 2002- FY2003, KAKEN (C) by MEXT, Prof. Kenji Ushizawa, SANNO University, Research of the reality and the future of the consumer education to the elderly, <http://kaken.nii.ac.jp/en/p/14580493>
- FY2001~FY2002, KAKEN (C) by MEXT, Prof. Koujiro Matsuoka, SANNO University, The research on the rehabilitation program diffusion toward the bedridden elderly reduction, <http://kaken.nii.ac.jp/en/p/13680538>
- FY 2001, New technology research FS, Japan Small Business Corporation, Development research of the upper limbs training machine by motivative exercise combination lift apparatus
- FY 2001, The Kanagawa Industrial Technology Research Institute, Co-study by the private-sector, (Akira Iemoto), Leg training systems development for Motivative exercise
- FY 2000, Japanese National Foundation, Association for Technical Aids, Prof. Tetsuhiko Kimura Nippon Medical School, Surveillance study of Improvement in ADL of an advanced age bone fractures of patient and for their independence
- FY 1999, The Kanagawa Industrial Technology Research Institute, Result expand research, the system development of the degree of functional recovery evaluation system by using gait training machine
- FY 1998, Kanagawa Industrial Technology Research Institute, Development support study, (Akira Iemoto), Leg functional recovery training station
- FY 1995-1999, Help by The legislation of Kanagawa small business creation activity promoting, Development of the Raku walker,
- FY 1993-1995, NEDO Grant, Development of a walker with new four wheels with sled

Note; We will publish all the study results on the web soon and add the web address on each study, after that. The author describes “What this academy should study at from now on.” on the next time.