



Title	Research on the construction of health care model based on "five in one"
Author(s)	傅, 珞豫
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氏名 ( 傅珈豫 )	
論文題名	Research on the construction of health care model based on "five in one" 「五位一体」に基づく医養結合養老モデル構築研究

## 論文内容の要旨

The aging of the population is becoming increasingly serious with the development of the times. Relevant data show that China's society has entered a moderate aging stage, so the elderly care has become increasingly acute, especially the problem that the medical needs of the elderly are disconnected from the medical and nursing needs has yet to be further solved. How to meet the diversified and multi-level elderly care and medical needs of the elderly, improve the health level of the elderly and improve the quality of life of the elderly is an important issue to be solved urgently.

In the field of elderly care research, aiming at the problem of the disjunction between medical care and nursing care, this paper, taking the human life cycle as the axis, starting from the perspective of supply-side and supply chain management, taking the integration of medical work, arts and science as the means, and taking the demand of health service management as the requirement, has constructed the unity of elderly people's life in their later years, and completed the construction of the "five in one" health care and nursing care model. The calculation formula of this model is:

$$C = A \times a + B \times b + D \times c$$

$$D = E \times e$$

$$E = A \times h + B \times j + C \times k + D \times l$$

**A** represents the number of people at home; **B** represents the number of people in senior centers;

**C** represents the number of people in nursing homes; **D** represents the number of people in rehabilitation centers;

**E** represents the number of people in hospitals

(a, b, c, e, h, j, k, l are unit coefficients, which vary with the situation in each region)

$$\text{The final relationship is: } C (1-k) + D (1-c-l) + E (1-e) = A (a+h) + B (b+j)$$

This paper takes Shanghai, China as an example to verify the effectiveness of the system. The results show that the system effectively solves the lack of management caused by the changes in the living and living scenes of the elderly in the process of health service management. It organically combines the single elderly care needs with medical needs and scene transformation needs to form an organic unity, which can be used for medical monitoring of health status Disease prevention and warning, circular intervention and treatment and comprehensive health management have realized the closed-loop management of the elderly and the seamless connection between medicine and the elderly.

At the same time, in order to improve the quality of elderly care services in the system, this study aimed at the living needs of the "five in one" middle-aged and elderly, collected the motion curve of the center of gravity of the human body during the movement process from sitting to standing by using Vicon, and carried out further data verification with Kinect to ensure the accuracy of the collected center of gravity curve. It lays a foundation for further design of the safety and comfort of the elderly assisted standing chair, which will ultimately improve the quality of life of the elderly.

## 論文内容の要旨

## 論文審査の結果の要旨及び担当者

氏名 (		Fu Jiayu	)
	(職)		氏名
論文審査担当者	主査	教授	遠藤 誠之
	副査	教授	神出 計
	副査	教授	上野 高義
	副査	名誉教授	大野 ゆう子

## 論文審査の結果の要旨

The aging of the population is becoming increasingly serious with the development of the times. Relevant data show that China's society has entered a moderate aging stage, so the elderly care has become increasingly acute, especially the problem that the medical needs of the elderly are disconnected from the medical and nursing needs has yet to be further solved. How to meet the diversified and multi-level elderly care and medical needs of the elderly, improve the health level of the elderly and improve the quality of life of the elderly is an important issue to be solved urgently.

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Therefore, this study was evaluated as a study worthy of PhD (Health Science).