THE ENVIRONMENTAL EVALUATION OF CARE UNIT FOR DEMENTIA PATIENTS IN TAIWAN BY THE PROFESSIONAL ENVIRONMENT PROTOCOL (PEAP) OF JAPAN

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Outline

- Object
- Article review
- Method
- Process and result
- Conclusion and suggestion
- Reference
Object

- Ministry of the interior ROC (2012):
  - 2.6 millions elder beyond 65 year olds in
  - 11.2% of general population
  - Aging Index: 76.21%
  - 150 thousands people with dementia in Taiwan
Object

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To provide a evaluate tool to help care providers evaluate whether their care services match the core value of care units regarding the physical and social environment design in the Dementia care facility
PEAP Version 3 in Japan

- Professional Environmental Assessment Protocol (PEAP)
- Professor Weisman from Wisconsin University in USA organized a team with medical, nursing, environmental psychological, and architectural specialists to join in developing a scale to evaluate the caring environment for elders with dementia.

- Major object: Healing environment, evaluate elders’ quality of life and safety of activities.
Eight domains in PEAP Version 3rd in Japan

- Maximize Safety & Security
- Maximize Awareness & Orientation
- Support for Functional Abilities
- Regulation & Quality of Stimulation
- Continuity of the Self
- Provision of Privacy
- Opportunities for Personal Control
- Facilitation of Social Contact
Introduction to the tool

- Professional Environmental Assessment Protocol (PEAP) Japan vision 3
- 50 questions in 8 aspects
- 4 points means good, 3 points means fair, 2 points means passable, and 1 point means nil
Method

- Through the test of expect validity and correction of the focus groups, the Professional Environmental Assessment Protocol (PEAP) of Japan was revised and translated into a Chinese version in Taiwan.

- The research interviewed 60 proprietors and care service providers in total from a dementia specialized care district with 7 care units and 4 groups homes in Taiwan as subjects of the research to conduct the questionnaire.
Group Home in Taiwan

Case one (2 units)
Case two (1 unit)
Case three (2 units)
Case four (2 units)
Dementia specialized care district in Taiwan

Case one (7 units)
Maximize Safety & Security

Regulation & Quality of Stimulation

Support for Functional Abilities

Maximize Awareness & Orientation

Facilitation of Social Contact

Provision of Privacy

Opportunities for Personal Control

Continuity of the Self

group home
dementia
specialized care district
Are toilets provided in each bedroom?

Group homes are not furnished with individual bathroom because they are subject to the environmental limits of exiting buildings and yield to the building regulations. The laws and building regulations should be amended in the future.
Maximize Awareness & Orientation

Support for Functional Abilities

Facilitation of Social Contact

Provision of Privacy

Opportunities for Personal Control

Continuity of the Self

Maximize Safety & Security

Regulation & Quality of Stimulation

Proprietors provide care service.

Care service provides opportunities for personal control.
Process and result

Recognition to PEAP

- Very agree
- Agree
- General
- Disagree
- Very disagree
- N/A
Process and result

Recognition to PEAP

![Graph showing the distribution of recognition levels to PEAP]

- **very agree**
- **agree**
- **general**
- **disagree**
- **very**
- **N/A**

Legend:
- Group Home
- Dementia Specialized Care District
Process and result

Recognition to PEAP

very agree  agree  general  disagree  very disagree  N/A
Process and result

Recognition to PEAP (Group Homes)
The care service providers of group home had relatively low recognition to PEAP. It is necessary to strengthen the education and training of the care service providers so that the patients can receive better care services.
The establishment of environmental assessment for dementia care units helps designers, care providers, and proprietors to understand and handle the indicators and interactions of between physical environment, social interactive environment, and management environment.

The establishment of care units in good standard for Dementia patients will further assists patients in managing their personal lives and expanding the local community lives.
Conclusion and suggestion

- The dementia specialized care district can be combined with the group homes to strengthen the professionalism of care service providers.
- The government has to establish professional certification system for dementia care services.
Reference

Thanks for your attention

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