

Short Communication

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Transforming the Innovative Patents into the Future Clinical Nursing Practice of Taiwan



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Since 2014 our innovative research team has developed a course of nursing practicum project production [1], transformed and evaluated this course into the capstone level [2], and finally tested the effectiveness of this course in terms of enhancing the creativity of nursing students [3]. Following the course of nursing practicum project production, our innovative research team

has gained 15 patents. Table 1 showed the names, numbers, and maintaining periods of 15 patents [4-18]. Following the 15 patents, our research team started to consider the process of transforming these innovative patents into the clinical nursing practice. For instance, the following Table 2 showed the evidences-based research topics that could be conducted in the different population of various clinical settings in Taiwan.

Table 1.

No.	Names	Numbers	Maintaining Periods	References
1	Medical Tool Box	M469876	2014.1.11. to 2023.9.17.	[4]
2	The Structure of NG Tube Fixation	M504598	2015. 7.11. to 2025.2.5.	[5]
3	The Electronic Stirring Function of NG Feeding Device	M506605	2015. 8.11. to 2025.3.5.	[6]
4	The Urine Bag Skirt	M506594	2015. 8.11. to 2025.3.5.	[7]
5	The Device to Drain Sputum from the Trachea	M522739	2016. 6.1. to 2026.2.17.	[8]
6	The Device to Assist Breathing Exercises	M526896	2016. 8.11. to 2026.2.17.	[9]
7	The Assisting Components of NG tube	M526897	2016. 8.11. to 2026.3.3.	[10]
8	The Device of Tube Fixation	M526896	2016. 8.11. to 2026.4.6.	[11]
9	Intravenous Drip Control Device with Gear Type	M526897	2017. 2.11. to 2026.8.17.	[12]
10	The Earmuff Oxygen- Delivery Device	M546821	2017. 8.11. to 2027.4.18.	[13]
11	The Combination of Turn Over and Position Auxiliary Device	M546811	2017. 8.11. to 2027.4.19.	[14]
12	The Wristband Device of Fixing IV Lines	M550636	2017.10.21. to 2027.6.7.	[15]
13	The Turn Over Auxiliary Device	M559166	2018. 5.1. to 2027.12.17.	[16]
14	The Fixation of Tube and Line Device	M563883	2018.7.21. to 2027.12.11.	[17]
15	The Modified Enema Device	M563884	2018. 7.21. to 2028.1.15.	[18]

Table 2.

No.	The Evidences-Based Research Topics Based on the 15 patents
1	The Effectiveness of Medical Tool Box for the Quality of Nurses' Care during the Night-Shift
2 & 3	The Effectiveness of Structure of NG Tube Fixation and the Electronic Stirring Function of NG Feeding Device for the Quality of NG Feeding in the Long-Term Care Facilities
4	The Effectiveness of Urine Bag Skirt for the Female Patients Whose Long-Term Applied the Installation Urine Bag
5	The Effectiveness of Device to Drain Sputum from the Trachea for Those Who Needed in the Long-Term Care Facilities
6	The Effectiveness of Device to Assist Breathing Exercises for COPD Patients
7	The Effectiveness of the Assisting Components of NG Tube for Elderly Patients in the Long-Term Care Facilities
8	The Effectiveness of the Device of Tube Fixation for Those Who have Tubes in Their Bodies
9	The Effectiveness of Intravenous (IV) Drip Control Device with Gear Type for Those Who Used IV Drip
10	The Effectiveness of Earmuff Oxygen-Delivery Device for Those Who Needed for the Long Time Use
11	The Effectiveness of Combination of Turn Over and Position Auxiliary Device for the Bedridden Elders in the Long-Term Care Facilities
12	The Effectiveness of Wristband Device of Fixing IV Lines for Those Who Used IV Drip
13	The Effectiveness of Turning Over Auxiliary Device for the Bedridden Elders in the Long-Term Care Facilities
14	The Effectiveness of Fixation of Tube and Line Device for Those Whose Applied the Installation Urine Bag
15	The Modified Enema Device for the Bedridden Elders in the Long-Term Care Facilities

Evidences-based practice and research are the essential focuses in the nursing professionals. However, the majority of literature on evidences-based were emphasized on the outcomes of patients' care, rather than the nursing skills or products. Instead of developing the innovative materials and products, the majority of studies still focused on the soft technologies so that a lack of clinical nursing studies were identified on the technological innovation [19]. The new era of nursing research is to develop the innovating research in team style to improve the quality of care in the clinical settings along with the communication and partnership-relationship contributing on the important keys for being successful in the changing and transforming process [20]. Our innovative research team is still a long-way to go for further testing the above 15 patents in the clinical settings or long-term care facilities to improve the quality of care for the hospitalized patients and elderly population.

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