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## The nursing experience of the assistive technology devices multimedia enhanced self-efficacy in patient with knee cruciate ligament

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**Background:** The Anterior Cruciate Ligament (ACL) is one of the most commonly injured ligaments of the knee. In general, the incidence of ACL injury is higher in people who participate in high-risk sports, or any accident.

**Objectives:** This case report aimed to describe the nursing experience of a 25-year-old female resulted from orthopedic disease induced by a car accident.

**Methods:** During the nursing period was from March 19, 2017 to May 20, 2017, the author developed a positive nurse-patient rapport based on caring and empathy. Data were collected by physical examination and Gordon's functional health pattern assessment framework and the main health issues were confirmed as acute pain, impaired physical mobility and powerlessness. The authors design the multimedia with standard walker/walking frame of enhanced patient's self-efficacy. The contents of Assistive Technology Devices (ATDs) multimedia include the forearm crutches, axillary crutches; front wheeled walker and wheelchair, etc.

**Results & Conclusion:** During nursing intervention, the author assisted the patient and her family with rehabilitation exercise with multimedia to promote physical functions and to mitigate disability, guide them to express their feelings in order to gain confidence and sense of control and aiding the family in deriving an individual care plan, so the patient and the family can cope with future treatment and rehabilitation with positive attitude. This case report could serve as a reference for nursing staff when attending similar cases.

### Biography

Lo Pai-Chen is currently a Master's student at Institute of Nursing, Fooyin University, Taiwan. He has worked as a Laboratory Technologist in the Pingtung Christian Hospital in Pingtung City, Taiwan for 15 years. He is currently serving the Yuh-Ing Junior College of Health Care & Management in Kaohsiung City, Taiwan as an Intern Clinical Teacher. His areas of academic and research expertise include evidence-based interventions in TCM nursing, qigong (TCM movement), adult health and education, critical care, etc.

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