

# Application of Multi-sensory Stimulation for a Coma Patient with Diabetes and Sepsis

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## Abstract

This report describes the nursing experience of an elderly female coma patient with sepsis, acute respiratory failure and renal failure resulting from uterine tract infection. The care period was from December 1 to December 8, 2009. The author collected information through observation and physical examination of the patient, in addition to interviews with members of the patient's family. Based on Roy's adaptation model, the author identified three major health problems, including perceived sensory changes, physical activity dysfunction and impaired skin integrity. The author incorporated the multi-sensory stimulation program into nursing activities based on the patient's living habits. The results showed that the patient's rating on the Glasgow coma scale improved from E1VtM3 to E4VtM5 by the time she was transferred out of the intensive care unit. The multiple wounds on the patient's buttocks were also healed during this period of nursing care. The author concludes that nurses can use the multi-sensory stimulation program during regular nursing activities to improve recovery in comatose patients.

**Key words:** multi-sensory stimulation, diabetes, sepsis, coma

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