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The use of 'caring robots' in an aging society is growing

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Seminars related to equipment department Expansion of utilization to patient transfer, posture change, excretion, meal health data management.



Ministry of Economy, Seol, South Korea

Curaco, a comprehensive medical device development company, thought about how to get rid of paper diapers worn by patients and the elderly. This is because paper diapers are a means of care that have many disadvantages for both patients and caregivers. For patients, it increased the risk of bedsores, etc., and made them feel ashamed because 6 to 8 local exposures per day were unavoidable. In addition, caregivers often suffered from back pain and arthritis while disposing of paper diapers.

Accordingly, Curaco developed an excretion care robot that is inserted into the patient's groin and separates and discharges feces, removes odors, and automatically dries in warm air. Ho-sang Lee, CEO of Curaco, said, "We confirmed the effect of improving the quality of life of patients and caregivers by reducing patients' shame and reducing the burden of nursing care."

As the aging trend accelerates, care robots are attracting attention. This is because the demand for care is increasing due to the aging population, while the problem of the demographic structure of caregivers is becoming scarce. The fact that caring robots can become a blue ocean that will create our future food is also a background that is attracting attention.

The Ministry of Strategy and Finance held a seminar on the theme of 'aging and caring robots' at the Government Complex Sejong on the 13th. This seminar was designed to enhance the government's internal understanding of caring robots as a new industry and new market.

A care robot is a robot that assists treatment or daily life of people who have difficulty living alone, such as the severely disabled, the elderly, and patients with mild dementia, and has been developed in earnest since the early 2000s. Its use is gradually expanding to the role of lifting the patient (transfer), changing posture, excretion, eating, as well as providing psychological stability and managing health data.

Sejong = Reporter Lee Hee-kyung hjkh38@segye.com