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Supporting medication intake of the elderly with robot technology

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AIM OF THE STUDY

- To develop a robot interface to assist the elderly with their medication intake.
- To investigate whether the target group is willing to accept medication intake assistance from a robot.

MEDICATION INTAKE INTERFACE

THE ROBOT RITA

- RITA is an intelligent, moving wooden table.
- Accompanies people in their own home.
- Assists in activities of daily living.
- RITA continuously monitors the client.
- RITA analyzes behavioral patterns to detect uncommon situations.
- Alarms health care personnel to check the situation.
- RITA can serve food and drinks to clients and visitors.
- RITA functions autonomously.
- Clients have no need to give direct orders to RITA; RITA will already know what to do.
- RITA can be operated directly by using the touch screen on the front of the robot.
- RITA was designed to blend in with existing furniture and not to stand out.
- It does not have a futuristic look but is instead a wooden table.
- Market research has shown that older people appreciate the classic look.
- RITA supports health care professionals to make sure they are able to provide their clients with maximum comfort and quality of life-relieving them of certain repetitive tasks and asking them in more complex tasks.

REFERENCES