Abstract

The QuoVADis project meets the need to compensate the difficulties of communication due to the loss in cognitive capacities which generate social insulation, depression, insecurity and discomfort in the everyday life. The system aims at restoring the affective link with the helping people by an interactive mobile system accompanying the person and at enabling her/him to locate themselves in its environment and to control it. The purpose of it is to facilitate the take in care of cognitive pathologies (Disease of Alzheimer or related) and to reduce the burden of helping people. The interest of mobility introduced by the robot is precisely a constant accompaniment which is accepted and desired and developed on the affective and safety level.

The maintenance in residence of people presenting cognitive disorders is an alternative to the hospitalization which answers the current tendency of reduction of the number of hospital beds. QuoVADis project aims at answering two of the problems arising from the maintenance in residence: cognitive stimulation and the safety of the people.

* Cognitive stimulation of the patient. For the people with cognitive disorders (Alzheimer for example), the stakes are to endeavour to stimulate the residual cognitive capacities by helping the patient to locate itself in time and space, by making safe in the event of wander, of confusion and anguish, and by facilitating her/his communication with the entourage. The main targeted impact is the innovant introduction within the cognitive stimulation area of the "companion robot" concept providing multimedia interactivity and mobility aiming at stimulating the patient.

* Safety of the patient. It is based on a system of televigilance of patient in residence which aims to allow people dependent or weakened to remain at home and to be helped or remotely medically followed in a more reactive way in case of urgency. People concerned with this function of safety are dependent people but also people reached on cardiac pathologies or people in phase of convalescence post-private clinic requiring a brought closer medical supervision.