

Patient reported outcome app for cognitive function self-assessment

- **SCHEDA**
- **APPROFONDIMENTI**

Identificativo proposta: TOIT20200609001

RICHIEDI MAGGIORI INFORMAZIONI

An Italian research center specialized in oncology has developed a novel tool for the evaluation of cognitive impairment that interfere with optimum quality of life. A 18 items questionnaire with score correlated to clinical outcome and indications will be configured in an app for patient reported outcome, allowing remote monitoring. The research group is looking for technical agreements or licensing with companies that develop apps for medical applications.

Cognitive function refers to intellectual processes and all aspects of perception, thinking, reasoning, and remembering that are key in maintaining personal and social independence, working capability, and associated quality of life. In cancer patients, surgical treatment of central nervous system tumors, as well as radiotherapy, chemotherapy, and hormone-therapy, could induce transitory or long-term cognitive impairment due to damaged encephalic tissues or blood-vessels. The research group has developed and tested a tool to evaluate by a questionnaire the cognitive impairment that could interfere with optimum quality of life. The clinical outcome and the indications will be easily reported in an app. The tool can be applied for other non-neurological populations (HIV patients, patients with mild cognitive impairment). The research group, which has already several international cooperations in research and technology transfer, is looking for companies interested in a technical collaboration or in licencing.

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