

COGNITIVE FUNCTION SELF-ASSESSMENT TOOL

Technology Overview

Novel tool for the evaluation of cognitive impairment that interfere with optimum quality of life:
18 items questionnaire with score correlated to clinical outcome and indications.



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.

Technology Application

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 tool can be applied for other non-neurological populations.

Development Stage

The kit is ready to use and well known around the world.

It was validated in cancer patients 1 to 3 years after diagnosis, and 5 progression free years after the end of treatment.

Publications

- Annunziata M.A. et al., Psychology, Health & Medicine, 2012, VOL. 17, NO. 2, 207–212 (online July 2011)
- Annunziata M.A. et al., Applied Neuropsychology: Adult, 2018, VOL. 25, NO. 1, 1–4 (online September 2016)
- Muzzatti B. et al., Applied Neuropsychology: Adult, 2019, VOL. 26, NO. 2, 173-180 (online November 2017)

Unit of Psycho-Oncology at CRO Aviano

Psychologists team skilled also in **psychological assessment** and **neuropsychology**

- Dr. Maria Antonietta Annunziata (Director)
- Dr. Barbara Muzzatti
- Dr. Lorena Giovannini
- Dr. Guido Lucchini

Looking for

- **IT partner** to develop a **mobile/web app** to fill the questionnaire and provide a feedback (i.e. a colour coded output with a prescription from the psychologist). The app will facilitate questionnaire use for patients and will be useful to monitor its application around the world.
- **Researchers** and other professionals interested in validating the instruments in **other populations**