

## Prosopagnosia: the Italian validation of a novel comprehensive assessment battery

*Saturday, September 13, 2025 4:05 PM (15 minutes)*

Prosopagnosia is a condition characterized by difficulties in face recognition, in the absence of agnosia and memory impairments. So far, no normative data are available for the Italian population allowing its comprehensive assessment. This work aims to standardize and provide normative data, reliability and validity of a prosopagnosia battery.

The latter was developed considering other factors that affect face recognition, including the autism traits, mood, subjective cognitive decline and general cognitive functioning. An assessment of cognitive reserve is also included. One-hundred-twenty healthy Italian participants (ranging from 20 to 80 years old) completed the battery comprising Prosopagnosia Index-20 (PI-20) a questionnaire assessing self-reported difficulties in face recognition and 4 computer-based tests: i) the Famous Face Test (FFT), in which participants have to recognize and identify 100 famous and non-famous faces; ii) the Oxford Face Memory Test (OFMT), in which participants have to judge whether two faces belong to the same or a different person; iii) and iv) the Cambridge Face Memory Test (CFMT) and the Cambridge Car Memory Test (CCMT), in which participants have to learn and recognize six faces/cars, respectively.

Preliminary results underline the reliability and the validity of the tests and the role of sex and age in face processing abilities, consistent with the existing literature on the assessment of prosopagnosia. Conversely, education does not seem to play a role. Accordingly, normative data for each test and subscore are provided. This battery could strongly improve the standardized assessment of different forms of prosopagnosia in research and clinical practice.

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