Doctor: Gerardo Fernandez **Evaluator:** Matías Shulz **Date:** 29 of January 2021	**Patient:** Jason Garmin **Age:** 61

EVALUATION: COLOR TASK – 2 TARGETS

VISUAL SEARCH
Normal value below 35

40

GAZE DURATION
Normal value above 800

643

INTEGRATIVE MEMORY PERFORMANCE
Normal value above 68

28

ASOCIATIVE MEMORY PERFORMANCE
Normal value above 67

70

EXECUTIVE FUNCTIONS
Normal value below 13

15

PARAHIPOCAMPAL REGION PRESERVATION
Normal value above 67

52

For each cognitive function and/or brain area analyzed, the results are indicated by the following color coding:

- No relevant problems were encountered
- Mild impairment, no necessarily pathological
- Severe impairment, and/ or pathological

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COGNITIVE PERFORMANCE AND RELATED BRAIN AREAS

Preserved Cognitive Functions & Brain Areas:

- Visual Search: Basal Ganglia, Superior Colicullus
- Gaze: Lateral Parietal Cortex, Medial Prefrontal Cortex (mPFC), Anterior Superior Temporal Sulcus (aSTS)
- Integrative Memory Functions: Enthorinal Cortex, Perirhinal Cortex
- Associative Memory Performance: Hipocampus
- Executive Functions: Prefrontal Cortex

Mildly Impaired Cognitive Functions & Brain Areas:

- N/A

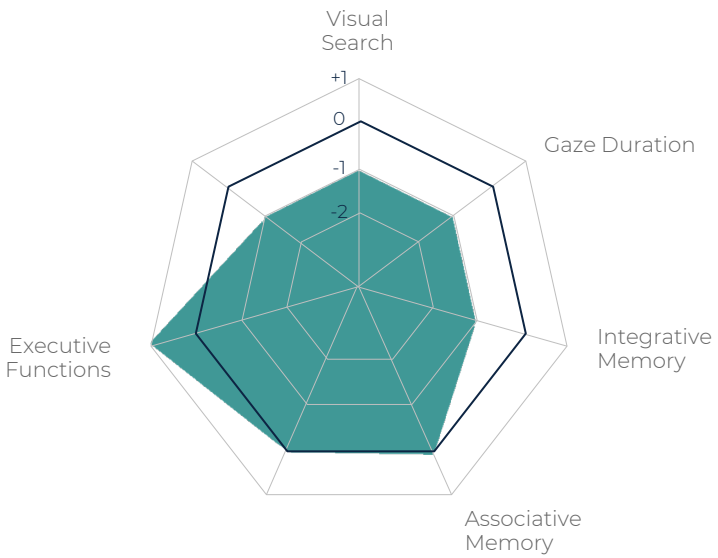
Severely Impaired and/ or Pathological Cognitive Functions & Brain Areas:

- N/A

Presumptive Diagnosis	A.I. Performance Index
Generalized cognitive and brain alteration. We recommend repeating the Colors Test with 2 targets.	74%

OVERALL PERFORMANCE

The following graph displays the general cognitive performance of the patient. For more information on how to interpret this graph, please refer to the Annex – Overall Performance Graph Interpretation.



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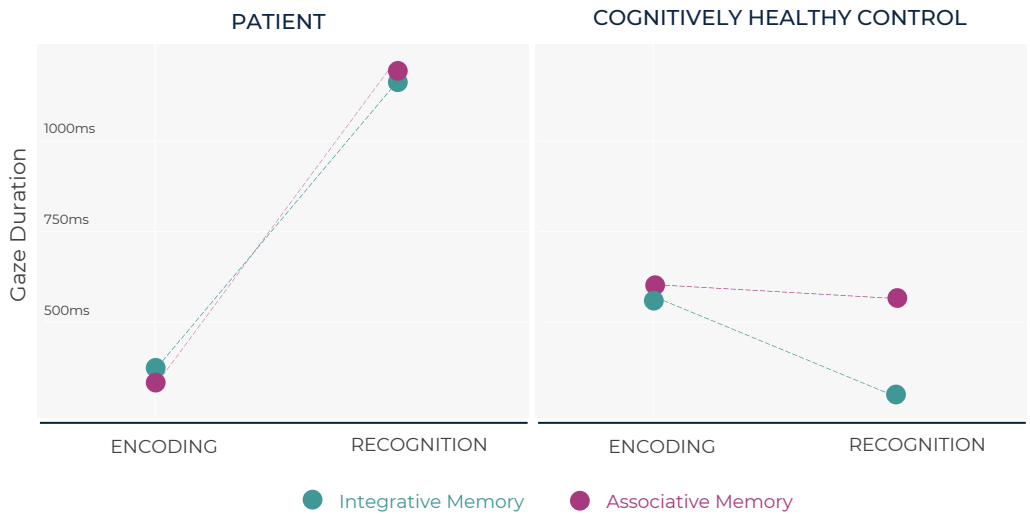
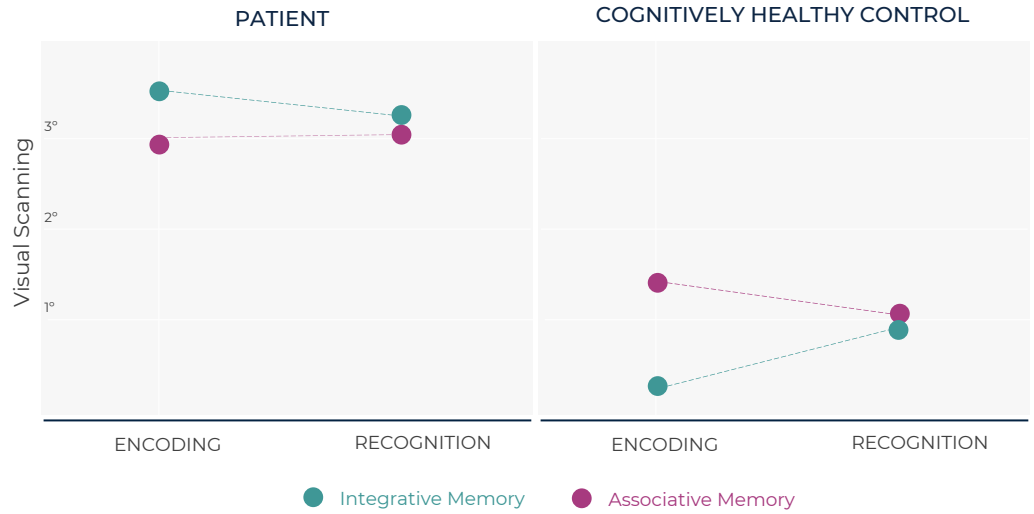
GAZE DURATION



The Gaze Duration graph displays the average amount of time [ms] needed by the patient to extract information from an image during a trial, in both Encoding and Recognition stages. For more information on how to interpret this graph, please refer to the ANNEX – Gaze Duration Graph Interpretation.

VISUAL SCANNING



The Visual Scanning graph displays the patient's visual scanning capabilities while looking for targets, in both Encoding and Recognition stages. For more information on how to interpret this graph, please refer to the ANNEX – Visual Scanning Interpretation.

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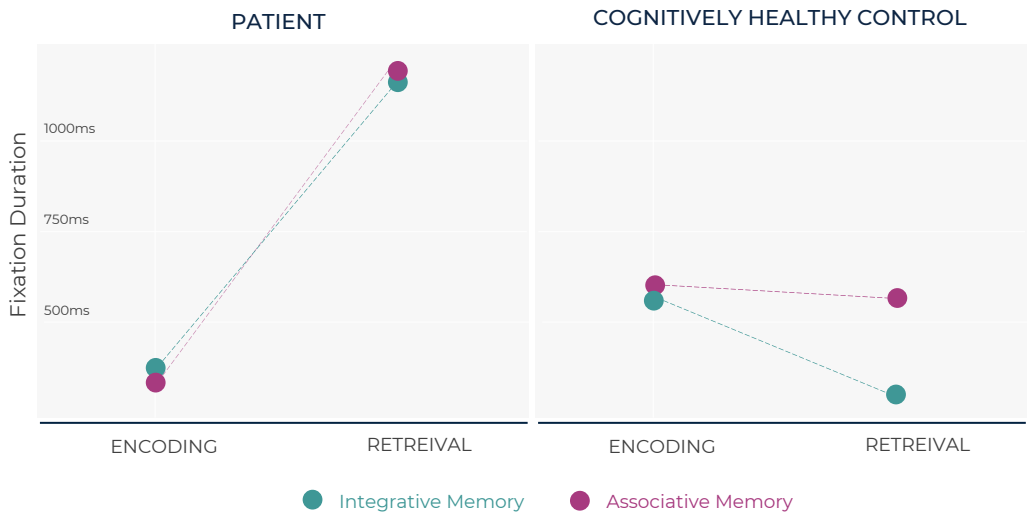
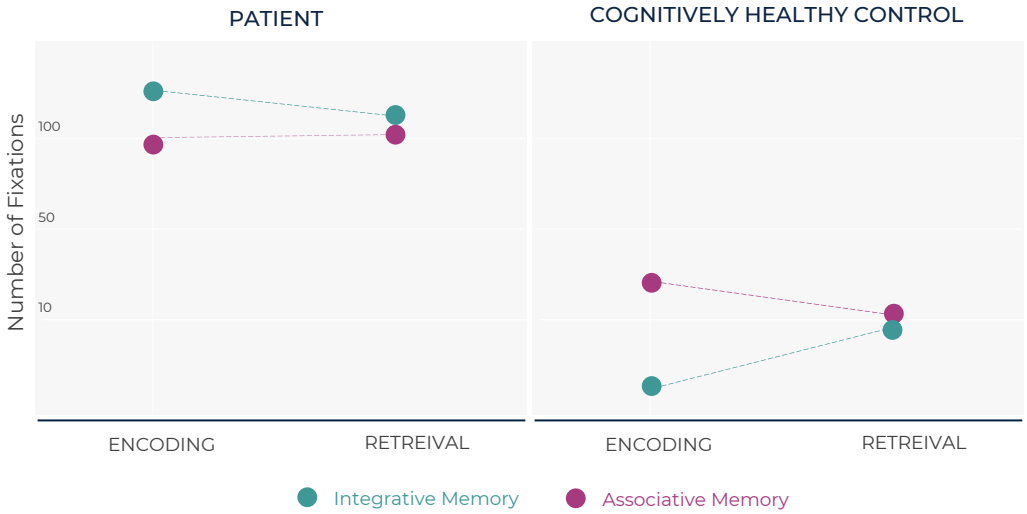
FIXATION DURATION



The Fixation Duration graph displays the average amount of time [ms] of the fixations performed by the patient, in both Encoding and Recognition stages. For more information on how to interpret this graph, please refer to the ANNEX – Fixation Duration Interpretation.

NUMBER OF FIXATIONS



The Number of Fixations graph displays the number of fixations performed by the patient, in both Encoding and Recognition stages. For more information on how to interpret this graph, please refer to the ANNEX – Number of Fixations Interpretation.

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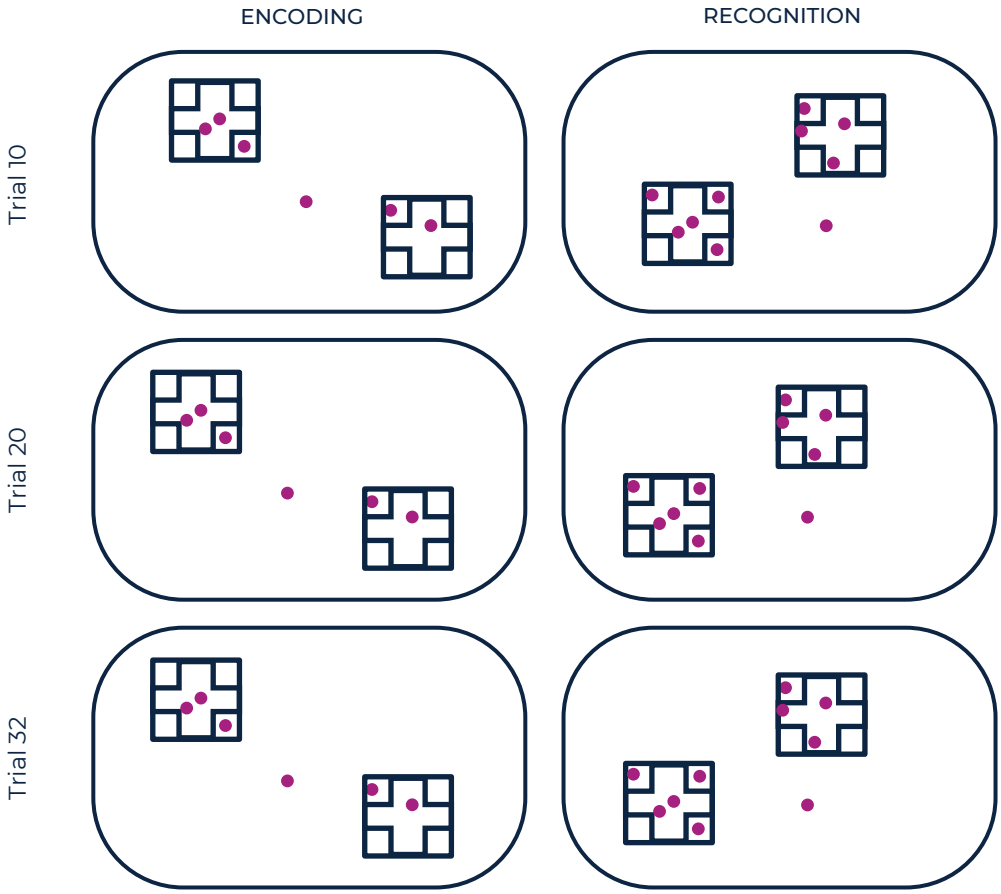
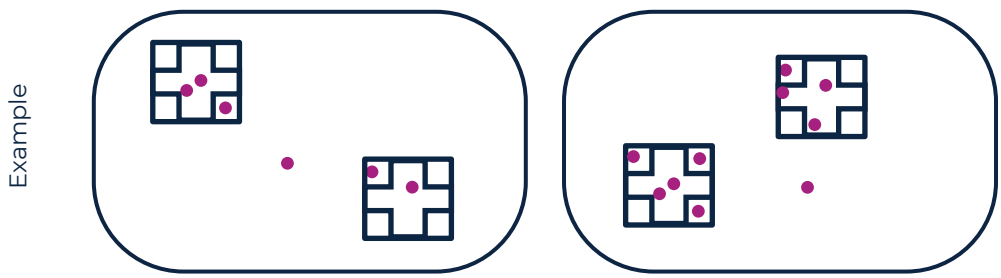
FIXATION PLOTTING

The Fixations Plotting Chart displays the fixations performed by the patient, during the the trials 10, 20 and 31 of the Encoding (left) and Recognition (Right) stages, in the Color Combination Test.



COGNITIVELY HEALTHY CONTROL FIXATIONS PLOTTING



The Cognitively Healthy Control Fixations Plotting chart displays the fixations performed by a Cognitively Healthy person, during the Encoding (left) and Recognition (Right) stages, in the Color Combination Test.

*For more information on how to interpret this graph, please refer to the ANNEX – Fixation Plotting Interpretation

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ANNEX

LEGAL DISCLOSURE

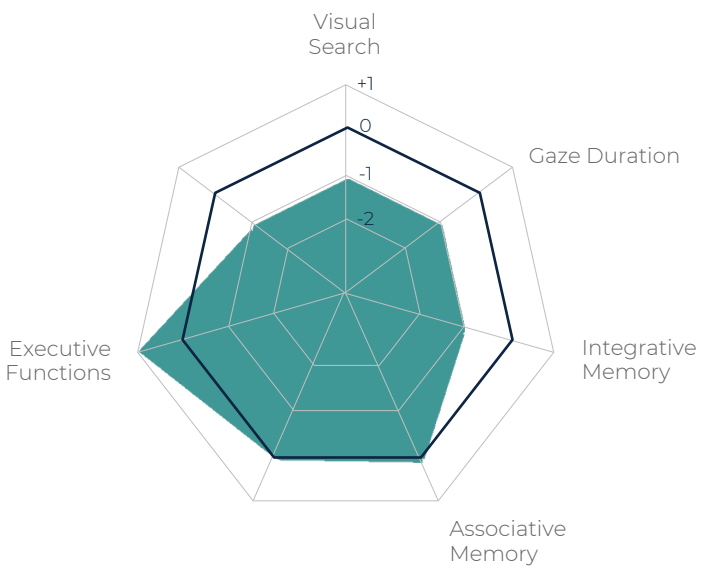
The results obtained in this report are not sufficient to define a diagnostic

VARIALBE DEFINITIONS

Visual Search: Visual scaning while looking for targets [degrees]
Gaze Duration: Time to extract the available information of a trial [milliseconds]
Integrative Memory Performance: Capacity of identifying the combination of colors between targets [n]
Associative Memory Performance: Capacity of identifying new colors within the targets [n]
Executive Funtions: Number of ocular fixations required for successfully completing a trial [n]
Parahipocampal Rigion Preservation: Index measuring the preservation of the brain region necessary for integrating objects in the Visual Shrot Term Memory, particularly altered in patients with Alzheimer's Disease [%]

OVERALL PERFORMANCE GRAPH INTERPRETATION

The Overall Performance Graph displays the general cognitive performance of the patient. The darker inner line marked with the number zero, represents the average value obtained for cognitively healthy patients (the "Average"). The inner lines marked with the numbers -1 and -2, represent 1 or 2 standard deviations below the Average. The outer line marked with the number +1, represents a performance 1 standard deviation or more, above the Average. The center of the graph represents 3 standard deviations or more, below the Average. The area colored in green, represents the patients results.



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ANNEX

GRAPHICS

The Gaze Duration graph displays the average amount of time [ms] needed by the patient to extract information from an image during a trial, in both Encoding and Recognition stages. The left side of the graph, displays the patient's results, while the right side of the graph displays the average of Cognitively Healthy Controls. For more information on how to interpret this graph, please refer to the ANNEX – Gaze Duration Graph Interpretation.

Gráficos

The Gaze Duration Graph displays patient's needed time to extract the whole picture of a trial
El gráfico Duración de la Mirada, muestra el tiempo que necesitó el paciente para extraer la información de la imagen durante un trial.