**Date: 21/ 1/ 2025**

***PSYCHOLOGICAL REPORT***

**Referred by: Prof. Reham Elnany**

**Name: Fayrouz Ayman Mahmoud Sex: ( ) Male ( \* ) Female**

**Date of birth: 20 / 9 / 2020**

**Age: 4 yrs. 4 mth.**

**Information resource: Her mother**

**COMPLAINT:**

1. **Assessment of Intellectual ability.**

**PSYCHOLOGICAL ASSESSMENT:**

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| **Previous tests:** |

**Behavior:**

**A female right handed child, she has normal activity, cooperative, sometimes she was inattentive during the session.**

**She has a speech delay; the pronunciation of some letters was not clear, sometimes she was speaking in meaningless sentences.**

**She needed reinforcement and encouragement continuously during the session and this affected her performance positively.**

**Her non verbal I.Q., was better than her verbal I.Q., and this was proved by the results.**

**Tests, Results & Assessment:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Stanford-Binet Intelligence Scale (Version 5)** | | | |
| **Degree of I.Q.** | Standard Score | **Percentile Rank** | **Confidence Interval**  **95%** |
| **Non Verbal I.Q.** | 116 (above average) | **86** | **112-120** |
| **Verbal I.Q.** | 102 (average) | **56** | **98-106** |
| **Total I.Q.** | 109 (average) | **73** | **104-114** |

***Total I.Q.***

Total I.Q. represents the sum of the five factor indexes scores which are evenly distributed between the two fields; the non verbal field and the verbal field. The score which she obtained classifies her within *average* category of intelligence, this total score measures not only the knowledge gained from school but the sum of the five main aspects of intelligence (Fluid Reasoning, Knowledge, Quantitative Reasoning, Visual-Spatial Processing and Working Memory).

***Non Verbal I.Q.***

**It represents the sum of the five factor indexes scores measured non-verbally; the score which she obtained classifies her within *above average* category of intelligence**.

***Verbal I.Q.***

**It represents the sum of the five factor indexes scores measured verbally; the score which she obtained classifies her within *average* category of intelligence**.

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| --- | --- | --- | --- |
| **Factors Indexes Scores** | | | |
| **Degree of I.Q.** | Standard Score | **Percentile Rank** | **Confidence Interval**  **95%** |
| **Fluid Reasoning** | 113 (above average) | **81** | **106-120** |
| **Knowledge** | 114 (above average) | **82** | **107-121** |
| **Quantitative Reasoning** | 110 (above average) | **76** | **105-115** |
| **Visual-Spatial Processing** | 103 (average) | **57** | **98-108** |
| **Working Memory** | 105 (average) | **64** | **99-111** |

According to her factor indexes scores, the child got *above average* category of intelligence in Fluid Reasoning, Knowledge and Quantitative reasoning; which means that she got an above average degree in her ability to solve new figural problems, her ability to analyze and explain, using inductive and deductive reasoning abilities, her ability to provide information about things, her ability to determine missing or silly details, her ability to apply cumulative information, her ability to define difficult words, her ability to solve initial mathematical problems and her ability to solve increasingly difficult mathematical problems. However she got an *average* category of intelligence in Visual-Spatial processing and Working Memory; which means that she got an average degree in her ability to solve figural spatial problems, her ability to explain spatial direction to reach a certain image and collecting designs, finally her ability to sort, classify and recall verbal and non verbal information, sorted in short term memory.

*Sub tests Scores*

1-Non verbal tests

|  |  |
| --- | --- |
| Sub tests | Standard Score |
| **Fluid Reasoning** | 12 |
| **Knowledge** | 14 |
| **Quantitative Reasoning** | 13 |
| **Visual-Spatial Processing** | 13 |
| **Working Memory** | 13 |

2- Verbal tests

|  |  |
| --- | --- |
| Sub tests | Standard Score |
| **Fluid Reasoning** | 13 |
| **Knowledge** | 11 |
| **Quantitative Reasoning** | 11 |
| **Visual-Spatial Processing** | 8 |
| **Working Memory** | 9 |

*N.B.* the raw scores are transformed to standard scores with an average of *10* and *3* standard deviation.

Conclusion:

Our case has 4yrs., 4mth., female, right handed, her total I.Q., and her verbal I.Q., classify her within *average* category of intelligence, but her non- verbal I.Q., classifies her within *above average* category of intelligence.

Recommendations:

1. **Conversation sessions.**
2. **Family counseling.**
3. **Further psychological investigations to assess ADHD and oppositional defiant disorder; according to her mother complaint.**
4. **Behavior modification.**
5. **Foll*ow up.***

***Clinical Psychologist***

***Dr. Lamiaa Bakry***