

## **CLINICAL SUMMARY**

### **Neuropsychological assessment of John Hoyte**

There was no evidence of global intellectual decline or language deficits. Scores on tests of verbal and non-verbal intellectual ability were generally in the superior range. With regard to memory, performance on both verbal and visual memory tests was within the average range, but appears a little weak in comparison to his intellectual level. Although his immediate recall of a passage of prose was below average, he managed to retain this information over time. This suggests he has difficulty processing information quickly rather than having a memory impairment per se.

There was evidence of significant under functioning on tests of visual scanning / psychomotor speed and executive function (verbal and visual reasoning, semantic fluency, Trails B, Stoop).

### **Opinion**

Ordinarily, I would not be unduly concerned about a few areas of weakness as low scores on a small number of tests might occur by chance. However, a similar pattern of results was seen in other pilots who report exposure to contaminated air. Further investigation is warranted.

# TEST RESULTS : John Hoyte

Patient = 50 year old male

## PREMORBID IQ

WTAR + Demographic formula	
Predicted Verbal IQ	112
Predicted Performance IQ	113
Predicted Full Scale IQ	113

## CURRENT IQ - WAIS-III

Verbal IQ	121	
Performance IQ	113	
Full Scale IQ	119	
VCI	109	
POI	133	sign different from VCI $p < .05$ - 6%

## Verbal subtests (scaled scores)

Vocab	13	
Similarities	8	sign different from mean $p < .05$ - 1%
Arithmetic	13	
Digit Span	14 (DF8 DB8)	
Information	14	
Comprehension	18	

## Performance subtests

Picture completion	18	
Digit symbol	6	sign different from mean $p < .05$ - 1%
Block design	14	
Matrix reasoning	13	
Picture arrangement	9	sign different from mean $p < .05$ - 10%

## FLUENCY

Verbal Fluency (FAS)	34	60-70%
Semantic fluency (animals)	16	10%

## NAMING (GNT)

23/30 scaled score of 13

## INFORMATION PROCESSING - AMIPB

Task A	(61)	50th percentile
Error	(0)	90th percentile
Speed	(45)	50th percentile
Adjusted (mental speed)	(68)	25-50 <sup>th</sup> percentile

**TRAILS**

A	(26secs)	80-90%
B	(84 secs)	30% x=77.7 (23.8)

**PERCEPTUAL**

Line Orientation	30/30 Superior
Benton Face recognition	39 Borderline

**STROOP**

Raw score of 46/112 2% pr.93 x=94 (18.41)

**MEMORY- AMIPB***Story recall*

Immediate	(24)	10-25 <sup>th</sup> percentile
Delayed	(28)	25-50 <sup>th</sup> percentile
Retained	(116)	>75 <sup>th</sup> percentile

*List Learning*

Trials 1-5	(47)	25-50 <sup>th</sup> percentile
Delayed recall	(11)	50 <sup>th</sup> percentile
Interference trial B	(3)	10 <sup>th</sup> percentile
Intrusions	(0)	75 <sup>th</sup> percentile
Recognition memory	12/15	

*Complex figure*

Immediate	(70%)	25-50 <sup>th</sup> percentile
Delayed	(72%)	25-50 <sup>th</sup> percentile
Retained	(104%)	>75 <sup>th</sup> percentile

*Design Learning*

Trials 1-5	(34)	50-75 <sup>th</sup> percentile
Delayed recall	(7)	50 <sup>th</sup> percentile
Interference trial B	(5)	50 <sup>th</sup> percentile
Intrusions	(18)	10 <sup>th</sup> percentile

**MALINGERING TEST**

Key 15 item -14/15- PASS

**MOOD**

HAD - ANX	(2)
HAD - DEPR	(0)

BAI	(1)
BDI-II	(2)