Assessing Visual Perception
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Some of the authors of this publication are also working on these related projects:

- The Back of the Brain (BoB) project View project
- Developmental prosopagnosia View project
Assessing Visual Perception: Towards a Systematic Approach
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Background
Visual perceptual deficits are common in neurological disorders:
- seen in around 30% of patients with acquired brain injury
- also common in neurodegenerative disorders
Can have significant negative effects on:
- activities of daily living, mental health and quality of life
- general rehabilitation
- performance on all neuropsychological tests using visual stimuli
Visual perception should be assessed following brain injury.
The literature does not provide a simple overview of tests available.

Aim
Create a framework that facilitates structured and systematic assessment of visual perceptual functions.

Method
- Visual perceptual tests and test batteries are identified in the literature.
- Tests and batteries are categorised according to their visual sub-processes.
- A simple visual framework is developed.

Conclusion
Assessment should also be carried out in the absence of visual perceptual complaints (insight often limited).
Existing test batteries suffer from limitations:
- lack of norms
- too time-consuming
- only selected aspects of visual perception assessed
Include tests of functions that are theoretically relevant but that have limited clinical value.
By combining individual sub-tests from different batteries, in-depth assessment is possible, but:
There is a need for a test battery enabling structured assessment of clinically relevant aspects of visual perception.

WORDS
- Papla 29: Reading words
- Papla 35 Reading regular vs irregular words
- EC301-R: Reading digits
- Reading text

OBJECTS
- Picture naming tasks (WAB 4.A., Boston Naming)

Faces
- Naming familiar faces
- Naming famous faces

ROAD - COURT
- Warrington Recognition Memory Test for Words
- Object vs non-object: BORB 10
- Cambridge Face Memory Test
- Warrington Recognition Memory Test for Faces

WORD MATCHING TASKS
- Word matching tasks

SIMPLE SHAPE PERCEPTION
- Line orientation: Benton Line Orientation Test
- Naming simple shapes
- Form discrimination: CORVIST 2

SIZE DISCRIMINATION
- CORVIST 3
- BORB 2

COPYING SIMPLE FIGURES
- COPY 2
- COPY 3
- CORVIST 4

SHAPE INTEGRATION
- Distinguish overlapping figures: Poppelreuter
- Integrating fragmented stimuli:
  - Fragmented digits/letters: VOSP 1, CORVIST 7
  - Shape detection: VOSP 0, CORVIST 4

TEST BATTERIES

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