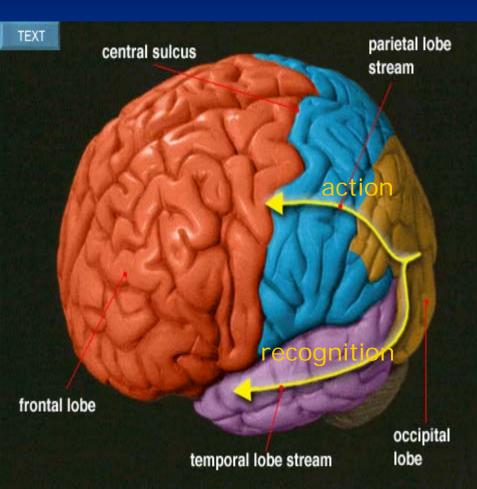


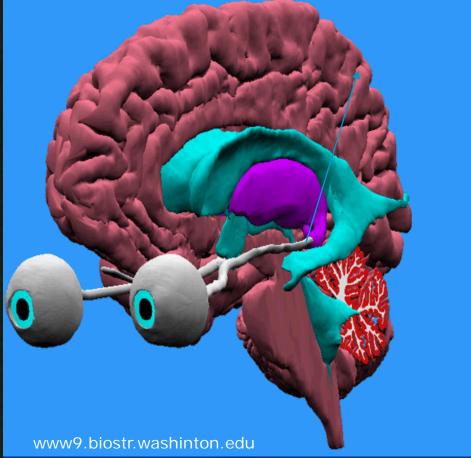
Tactual Processing Limitations in blind children born very prematurely

Drs. Marjolein Dik GZpsychologist/neuropsychologist Amsterdam

- Sensory Information processing problems
- Oversensitive for touch and sound, vestibular ↓
- R bodyside stronger than L
- Verbal IQ (WISCIIInl) 98; performal much lower,
- personality +, family +
- School history: doubts about cognitve capabilities, possibly dyslexia, severe problems in mobilitytraining and somewhat in arithmatic
- Has just started secondary education Visio

hypotheses



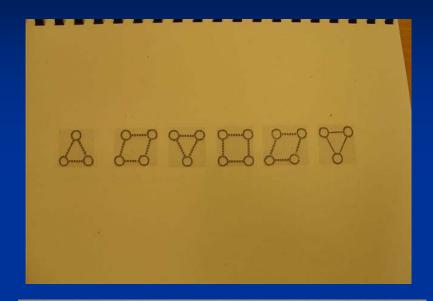


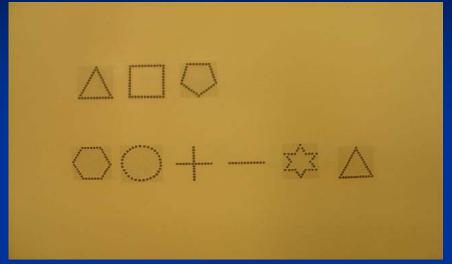
Test choices

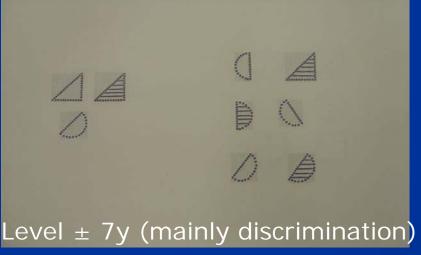
- Tactual
- Letterbox (direction test)
- BLAT (blind learning aptitude test 6-19y)
- Tactual Form Perception (Benton) adapted 8y[↑]
- Simple Formboard Reitan 5y \u2208 drawingmap
- Auditory
- Memory: letters forward (ToMaL5-19y) and 15 words test
- Auditory Attention & Response (Nepsy 5-12y)
- Count! (TEA-CH 5-16y)& double task
- Knock & Tap (Nepsy 5-12y)
- Walk, don't walk (TEA-Ch 5-16y) go,no-go

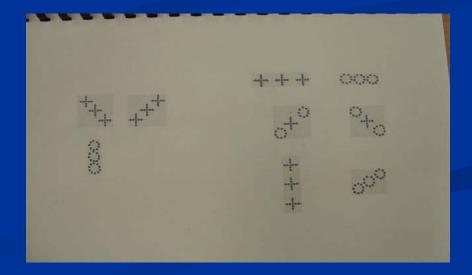


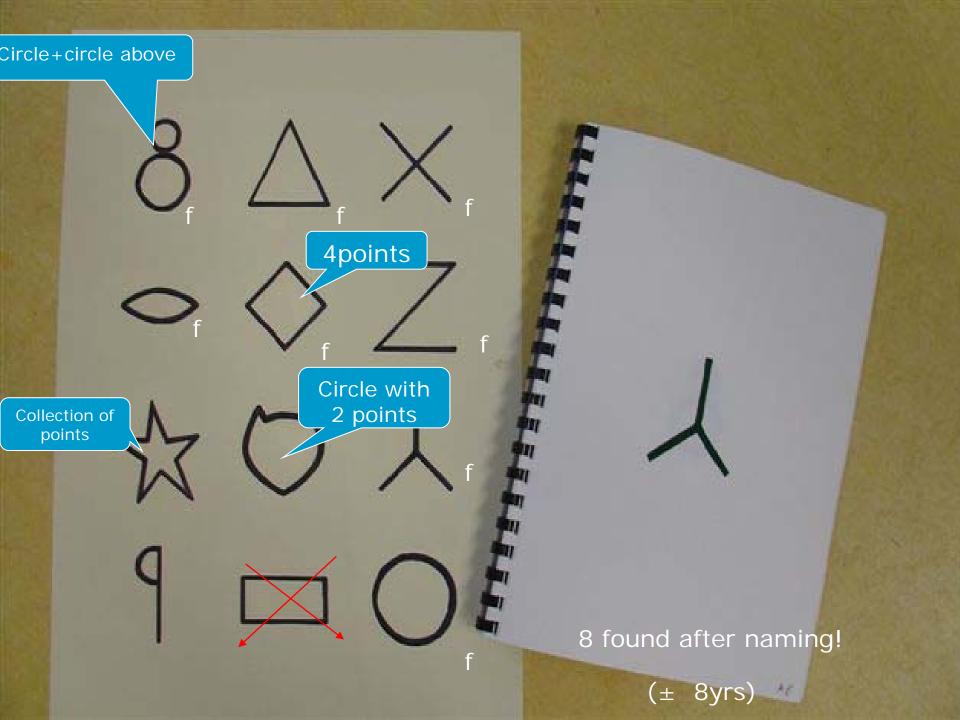
Blind Learning Aptitude Test (BLAT)

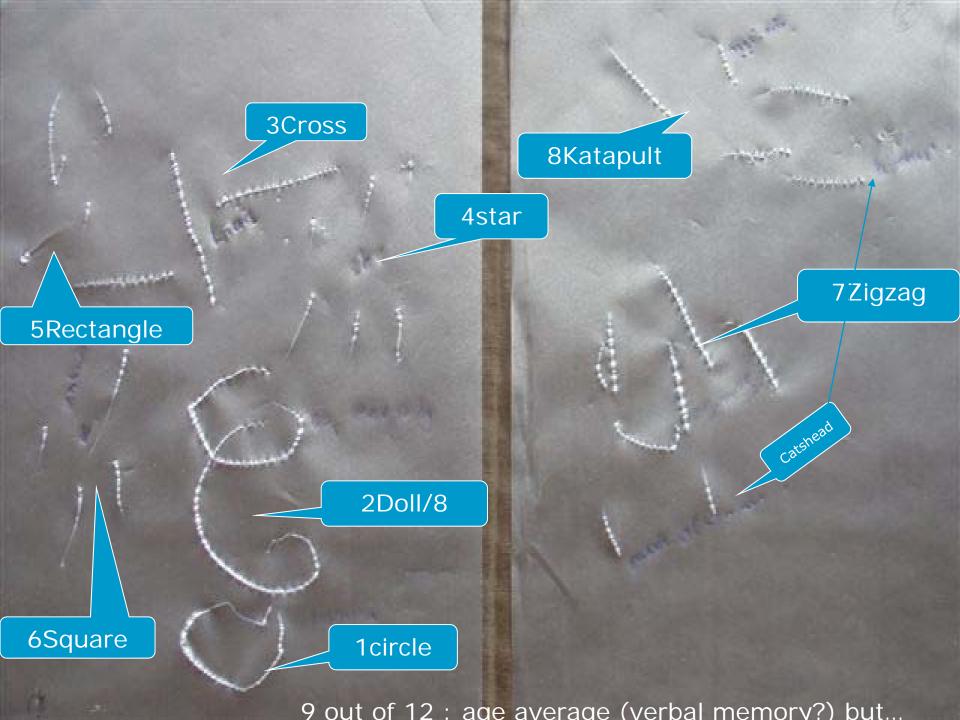












Form Board Reitan



Fits 2: cross, diamond (6/7 yrs)

Auditory alone

- Working memory (ToMal letters forward): age level stsc 10
- Longterm memory (15 words): 11 by second offer and in recall agelevel
- Count! (TEA-CH)& double task: st sc 13 (mean 10)
- Very concentrated! Nothing moves.

Auditory+propriocepsis sitting

- Knock & Tap(Nepsy 5-12y): score 28 out of 30
- Auditory Attention & Response (Nepsy)
 Colours replaced by texture blocks in baskets (wood, smooth, felt/soft, flat rubber) and text read out alive

If not too fast OK



Auditory +propriocepsis+vestibular

Walk, don't Walk (TEA-Ch 5-16y) go,no-go task

Adjusted: not as paper/pencil but by starting standing against wall and doing it himself

Troublesome!

Function profile



Attentional field: misses a part in lower field

conclusion

In the prematurely born blind group there seems to be a subgroup with

- normal cognition
- and multiple sensory limitiations
- mainly living in a auditory world

Asking us

- tell me how the world sounds
- for adjustments in schoolprograms and exams

Thanks to X and his parents!

Mail friends?

Mail to marjoleindik@visio.org