Saccadic eye movements.

Lena Rasmussen
Sweden

King Devic

- Body movement
- Head movement.
- Face expression.
- Reading distance.
- Voice
- Speed

Tova

9 year old

- Eye strain while reading
- Cannot swim.
- Cannot ride a bike.

Tova.

- KD 1, 30 sec thumb on each line.
- KD 2, 32 sec finger on every number.
- KD 3, 60 sec skip a half line.

Tova.

- Stomach exc.
- TTNR stim.
- Angels.
- Bearwalk
- Slap Tap.
- Summersaults.
- Rythm and sequences.

Tova.

- KD 1, 25sec. (30)
- KD 2, 27sec. (32)
- KD 3, 32sec. (60)

Saccadic eye movements.

- William V Padula, OD: ”As his motor coordination improves, the child will become intrigued by his extremities and his ability to control movement. Fixation on the hand is first noted during the tonic neck reflex.” ”When the child has an ability to focalize and release with equal control, development will appear balanced and symmetrical. Increased focal ability will reciprocally develop during stages of assymetri, i.e., a tonic neck reflex.”

Saccadic eye movements.

- Martin H Birnbaum, OD.”By age 7, the child should be capable of tracking on a purely visual bases”.
- ”In addition to oculomotor deficit, such children may demonstate developmental immaturity with deficient gross and fine motor abilities.”

Saccadic eyemovements.

- Drs Mellilo and Leisman(neuroscientist).

”A direct Neurological connection exists between the neck and extraocular muscles; weakness of neck muscles can be tested by examining for weakness and fatigueability of eye muscles.” ”Eye movement training that is more specific to the side of cerebellar or cerebral deficit has been clinically found to be more effective.”

Saccadic eyemovements.

- A neurodevelopment delay ?

Flora.

- 9 year old.
- KD 1. 31 sec.
- KD 2. 27 sec.
- KD 3. 33 sec
- Hold the test with right hand. Head and arm movement, reading distance 15 cm.

Flora

- KD 1. 29 sec. (31)
- KD 2. 30 sec. (27)
- KD 3. 67sec. (33)

Flora.

- Sugar.
- Bread.
- Milk.

Flora.

- KD 1. 35 sec. (31)
- KD 2. 30 sec. (27)
- KD 3. 38 sec. (33)

Saccadic eyemovements.

- Brain activity.

Saccadic eyemovements.

- Biochemistry.
- Neurodevelopment.