

DISC Screening Summary Report

Name: Luna

Date of Report: January 4, 2005.

Date of Disc: 05/01/04
Yr/mth/day

Date of Birth: 02/05/27
Yr/mth/day

Age In Months: 31 months

Reason For Disc Screening: To see where Luna's developmental areas were compared to other children in her age group.

Person Present During Session: No one else besides me and Luna were present at the screening. We thought it would be less distracting for her that way.

Behaviour Observations During Sessions: Luna co-operated well during the Disc. Near the end she seemed to be getting bored and asked for Kay (her worker) a few times.

Luna's Background Information

Luna was born at 38 weeks. Macconium was found when the doctor broke her moms water. Luna's heart rate dropped for quite some time prior to delivery. Doctor's used forceps on her when they realized her shoulder blades were stuck.. Her apgar scores were good at birth considering the circumstances.

At the time of birth, it was detected that she had been born with spina bifida (myelomeningecele). Luna was rushed to London's Children Hospital of Western Ontario for an immediate consultation with their paediatric neurosurgeon. They confirmed she had spina bifida and that surgery needed to be performed to close her open sac. On May 31, 2002 her back repair was complete. One week later, on June 6, 2002, Luna had to have a VP shunt inserted on her left side of her head to drain the fluid that had accumulated on her brain due to hydrocephalus.

She has had two eye surgeries (both eyes) over the past 1.5 years to correct double convergent strabismus (eyes crossing in). The second surgery was to redo the first surgery because her eyes then crossed out. Her left eye is now being patched to try to make the right eye to work properly because the muscle still isn't working properly.

Luna is catheterized four times daily. It was determined that she has reflux in her kidneys. The urine is back flowing into her kidneys and is causing many bladder and kidney infections over the past 2.5 years. She takes Septra, .3 mg once daily as a prophylactic antibiotic which keeps the urine sterile. The right kidney is twice the size of the left due to the infections. There has been talk of maybe surgically repositioning the ureter and the bladder so gravity pulls the urine downwards. This will probably be done within the next 2-3 years as long as there's not many more infections or it will be sooner.

She has follow up appointments every six months to a year due to an enlargement of ventricles within the first year and a half of life. They do repeat CT scans.

SUMMARY OF DISC DEVELOPMENTAL PROFILE

	Raw Score	% ile Value	Interpretation	Age
Equivalent				
Fine Motor	15	5%	Delay	22-23 months
Gross Motor	9	0%	Delay	11-12 months
Receptive Language	17	5%	Delay	26-27 months
Expressive Language	16	3%	Delay	23-24 months
Visual Attention & Memory	15	0%	Delay	21-22 months
Self-Help	17	5%	Delay	26-27 months
Auditory Attention & Memory	19	20%	Possible Delay	30-31 months
Social	19	13%	Possible Delay	28-29 months

SUMMARY OF PERFORMANCE ON EACH DISC SCALE

FINE MOTOR: The ability to co-ordinate the small muscles of the hands in voluntary, controlled and guided movements. This includes the ability to grasp, pick up, release, imitate and copy patterns.

Luna demonstrates eye-hand co-ordination and has controlled grasp and release.

She is able to grasp with pressure control and has an awareness of direction.

Luna does not have thumb-finger opposition fine motor controls, ie., turning pages in a book one at a time. She has no wrist control or hand pressure control but has the imitation skill, ie, she can imitate folding a piece of paper in half but cannot put pressure on the paper to make a crease.

GROSS MOTOR: The ability to use large muscles of the body in a co-ordinated fashion. This includes being able to maintain balance, both while standing and in motion, and to execute motor patterns accurately and rhythmically.

Luna has well-developed trunk control and has increased weight bearing and some emerging equilibrium reactions, ie., standing momentarily without support.

RECEPTIVE LANGUAGE: The ability to understand and respond appropriately to verbal commands, instructions, explanations, questions and sounds.

Luna demonstrated body awareness and is developing a mental picture of her own body and body parts on another person. She demonstrates an understanding of visual actions, ie., make the doll jump, sit, lie down, etc. and an understanding of common objects, ie., show me your shoes, socks, pants, etc.

Luna has a demonstrated understanding of adjectives by identifying certain attributes of an object, ie., show me the one that is broken....soft...round.

Luna did not demonstrate the understanding of prepositions, ie., in, under, behind. She also did not demonstrate the understanding of the concept of two. She does not yet have an understanding of the function of objects, ie., “What do you do when you’re thirsty?”

EXPRESSIVE LANGUAGE: The ability to produce appropriate verbal responses, explanations, commands, descriptions and questions.

Luna demonstrates a self-concept and the expansion of vocabulary by using two word sentences.

She does not incorporate ideas and thoughts into speech, or understand the content of questions, ie., when shown a picture of a boy sitting she couldn't tell me what he was doing. She doesn't have the understanding of number concept yet.

AUDITORY ATTENTION & MEMORY-Auditory and Visual: Attention involves the ability to attend to or focus on the relevant components of a task for a defined amount of time; Memory is the ability to retain and revive impressions or recall or recognize previous experiences.

Luna is able to integrate two short-term memories, object identity and commands and demonstrates the beginning of attention and retrieval from short term memory, ie., repeats "I go", "I walk", "I sleep". She has the ability to attend long enough to process this information appropriately, ie., "put the ball in the cup." She attends and discriminates among sounds, ie., "Here is a ball, boat & book-where is the boat?"

VISUAL ATTENTION & MEMORY-Auditory and Visual: Attention involves the ability to attend to or focus on the relevant components of a task for a defined amount of time; Memory is the ability to retain and revive impressions or recall or recognize previous experiences.

Luna has emerging early problem-solving strategies and is developing problem solving through direct manipulation, ie., stacking rings. She can attend to complete a task, ie., placing 10 pegs into a pegboard and she played with a puzzle longer than

required.

Luna was unable to discriminate between the four given shapes and couldn't retain information in short-term memory for a brief period of time when the shapes were hidden from her. She was able to match objects such as a pig or lamb but was unable to match colours which requires more abstract conceptualization.

SELF HELP: The ability to help or aid in caring for personal needs.

Luna can dress herself with help. She is presently learning to put her own jacket on by laying it on the floor and flipping it. She has fine motor control over a fork and good eye-hand co-ordination. She sometimes needs to attempt more than once to get the food to stay on the fork.

She is unable to co-ordinate body control by integrating fine and gross motor control, ie., putting on her shoes or undressing herself. She cannot yet compensate for the shift in her centre of gravity, ie., pouring from a pitcher.

SOCIAL SKILLS: The ability to interact with others and engage in socially appropriate behaviours.

According to reports Luna will tidy up when asked but sometimes needs to be asked more than once. She can ask for help but mostly by using gestures. Luna is unable to distinguish gender. She is able to empathize with other children and says "hug", "sad", or "crying" when someone is upset and she tries to hug them. When she is responsible for hurting someone she spontaneously says "sorry" and hugs them.

She complies 75% of the time with an adult's request. She cannot yet participate in

conversations due to limited verbal skills.

OVERALL SUMMARY OF RESULTS

According to the DISC screening tool, Luna has a delay in six developmental areas:

Fine Motor
Receptive Language
Expressive Language
Gross Motor
Visual Attention and Memory
Self Help

Luna has a possible delay in two developmental areas:

Auditory Attention Memory
Social

PROGRAMMING STRATEGIES

Fine Motor

- Practice picking up cheerios off of the table and putting them into a bowl
- Provide your child with shape sorters, knob puzzles, and lacing boards
- Have your child play with playdough and stress balls
- Practice stringing beads, turning pages in paper books and folding paper
- Have your child try to catch bubbles

Gross Motor

- Provide ride-on toys
- Have your child practice dressing and undressing herself
- Provide a small climber and playmats

Receptive Language

- Use repetition "more milk please"
- Encourage peer interaction
- Provide books and flannel boards
- Reinforce all activities verbally
- Practice matching colours and shapes
- Sort laundry-match socks, tops and pants

Expressive Language

- When asking her a question, wait for her response
- Repeat her words
- Ask “What is this?” and “Whose is this”
- Model “one dog”, “two dog” , etc.
- Provide interactive tv programs such as Dora
- Expand on her strengths
- Ask her what is happening in pictures for use of noun and verb

Auditory Attention & Memory

- Repeat all commands and check for validation
- Provide see-and-say toys, musical instruments and memory games
- Do finger plays such as itzy-bitzy spider
- Play peek-a-boo
- Practice clapping sequences-repeat number of claps and intervals
- Always make eye contact
- Use lots of repetition

Visual Attention & Memory

- Talk to your child from the next room
- Look at picture albums
- Practice matching pictures-clothes, food, animals,etc.
- Play “I Spy”
- Play finding Waldo games
- Bury objects in the sand

Self-Help

- Practice dressing dolls and doing up buttons
- Help her put on an article of clothing half way and let her do the rest
- Provide sensory play such as pouring
- Practise throwing bean bags for wrist movement

Social Skills

-
- Provide turn-taking games
- Encourage her to ask for assistance: verbal and non-verbal
- Model entering play
- Provide co-operative games re: turn taking

REFERRAL RECOMMENDATIONS

Luna already is seeing many people to help her move forward in her development.

Infant Development Services are currently monitoring Luna but she will be moving on to the Preschool Resource Program because of her age.

She receives services from a Speech Therapist, an Occupational Therapist, and a Physiotherapist.

Luna is attending daycare four days a week and has a worker from Community Living working with her one-on-one.