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## **FACT SHEET**

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### **Landau Kleffner Syndrome General overview**

Landau Kleffner Syndrome is a rare form of childhood epilepsy which results in a severe language disorder. The cause of the condition is unknown. All children with LKS have abnormal electrical activity in one or sometimes both temporal lobes, the area of the brain responsible among other functions for processing language.

About two thirds of children have seizures which are more common at night. These children may have their seizures controlled by anti-epileptic drugs.

#### **Effects on Developmental Areas**

##### **Social and Emotional**

- May have difficulty recognising friends, family or common objects
- May have a minimum social experiences
- Social skills may be delayed due to visual disturbances
- May experience difficulties making and keeping friends
- May become depressed
- May lack certain amount of independence
- May have attacks of rage and aggression

##### **Motor and Physical Development**

- May have developmental delay
- May have insensitivity to pain

##### **Language and Communication Development**

- May have difficulty speaking
- May not understand or use appropriate forms of communication due difficulty
- May have difficulty in making or expressing choices

##### **Cognitive**

- May have learning difficulties
- May not stay long at activities due to low concentration span
- May require instructions, directions etc to be repeated 2 or 3 times and requires some time to process before responding or acting.
- May have delays in skills of concentration, memory and ability to generalise

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- May have difficulty understanding concepts of turn taking, sharing, how to enter into play situations.

### Landau Kleffner Syndrome Inclusion Strategies

Each child diagnosed with **Landau Kleffner Syndrome** will be different and individual. It is important to gain information from the parents as to what characteristics of **Landau Kleffner Syndrome** their child displays. It is important to work closely with the parents as well as any additional support specialists e.g. therapists who may be involved with the child. It is also important to gain an understanding from the parent as to what is the most important aspect of their child attending your service. What is it that parents hope to gain from using your service? The following inclusion strategies are just some examples which may be applied to support the inclusion process. This list is only the start and it is dependant on a variety of factors such as environment, length of time child is in care, child's interest, likes, dislikes, skills already achieved. The strategies are divided into developmental areas however some strategies overlap and assist in a variety of developmental areas.

Encourage staff to ask parents about the strategies they use and to clarify whether the child is on medication for seizures. Also remind them about a risk management plan for seizures.

#### **Social development**

- On arrival and farewell and when wanting child's attention say the child's name first to catch his attention eg. "Jack, good morning" rather than "Good morning, Jack".
- Explain what you are doing when you are doing it when presenting an activity, giving instructions or encouraging turn taking/sharing.
- Provide a quiet area with objects for child to explore independently
- Let other children know what child is doing to reinforce the concept of him being part of the group. Do this with all children e.g. "Look Jack is doing a puzzle as well"

#### **Physical development**

- Keep things in the same place to assist child to be able to move from one place to another. If you change the environment walk and talk this through with the child
- Count stairs, number of steps from each room to aid independence
- Provide finger plays to encourage the use of both hands in a controlled manner as well as developing fine motor skills

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- Provide lock boxes and musical boards to promote finger and wrist movement and rotation
- When setting up collage table provide clear defined areas for differing materials in boxes
- Check how busy the environment looks with pictures on walls, things hanging from ceiling, activities on floor. Reduce the confusion with plain surfaces and defined areas.

### **Language**

- Utilise the use of large clear pictures to reinforce what you are saying
- Para-phrase back what the child has said
- Clarify types of communication methods the child may use e.g. makaton
- Provide puppets/pictures as an extra prop when using finger plays and songs
- Reduce the amount of instructions in one statement to allow time for the child to gain an understanding of what is been said e.g. "Hold the puppet up high" rather than "hold the puppet up high and wave it around so that all the children can see it." Once child understands to "hold the puppet up high" you can then add "Good, now all the children can see it"
- Ascertain from parents words that are familiar with the child e.g. family words that represent aspects of child life and use these in your program

### **Cognitive**

- Encourage use of a bright easily recognisable bag for child to be able to recognise his hook/locker
- Gain information from parents about child's likes, interests and dislike and incorporate these in your program.
- Break tasks down to smaller steps e.g. placing one puzzle piece in a time rather than expecting the puzzle to be completed
- Allow the child time to complete tasks and practice skills at own pace.
- Acknowledge level of achievement e.g. "you have placed that piece in the puzzle, well done" rather than just "Good boy"

#### Reference

[www.bobjanet.demon.co.uk/lks/home.html](http://www.bobjanet.demon.co.uk/lks/home.html)

[www.ddhealthinfo.org](http://www.ddhealthinfo.org)

### **DISCLAIMER**

Noah's Ark Children's Services Resource Unit provides information to Children's Services upon request. The information provided is obtained from a number of sources e.g. library, other services, resource books and Internet. The information provided is not intended to, nor does it, constitute medical or other advice. Persons access this information assume full responsibility for it's usage.

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The information and strategies are designed to provide Childcare Workers in children's services with some strategies to assist in planning an inclusive program. A holistic approach is important, including knowledge gained from the child's parents and the knowledge gained through observing and planning for children. Ensure the principals of Early Childhood Care are re-inforced in the programming, focusing upon what the child can do, using positive and supportive interactions that recognises each child's individuality.