

Training children with Down Syndrome

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Prior knowledge about :



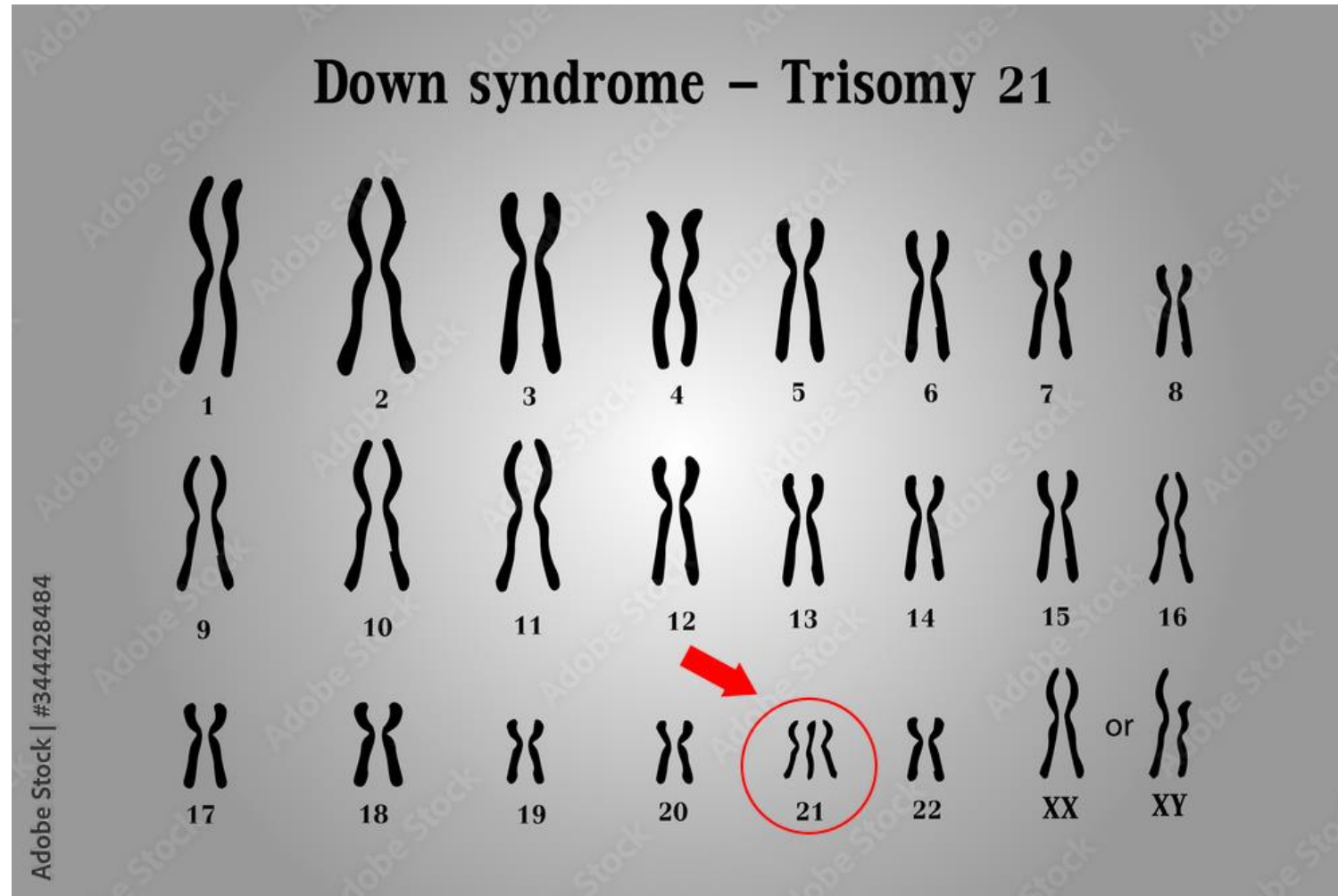
1. Down Syndrome

2. Issues/Problems/Gaps in persons with Down Syndrome

3. Potential skills that can be developed in persons with Down Syndrome

4. Need for training and involvement of parents and community

karyotyping



Report Reading

APGAR SCORE - first 1min at birth again after 5 mins after birth. Total score is measured.

Above 7 - Normal baby

4 to 6 - Needs help

Less than 3 - Emergency

Report on Reflexes



Blinking reflex



Rooting reflex



Sucking reflex



Palmar reflex



Stepping reflex



Tonic reflex



Moro reflex



Babinski reflex

Gross Motor Milestones

Hypotonia/Hypertonia of Muscles



Motor skills

Average Age of achievement

- | | |
|------------------------------------------------------|----------|
| 1. When held upright holds the head erect and steady | 6 weeks |
| 2. When prone lifts self by arms | 2 months |
| 3. Rolls from side to back | 2 months |
| 4. Grasps cubes | 3 months |
| 5. Rolls from back to side | 5 months |
| 6. Sits alone | 7 month |

Special
education



Motor skills

7. Crawls

8. Pulls to stand

9. Stands alone

10. Walks alone

11. Builds tower of 2 cubes

12. Walks upstairs with help

Average Age

7 months

8 months

11 months

11.5 months

11.5 months

16 months

Depth
perception



Motor skills

13. Jumps in place

14. Can squat

Average Age of achievement

24 months

24 months

toileting



Body
spacing
and
alignment

Fine Motor Milestones

Fine Motor skills

1. Reaches to the object in bright light
2. Reaches objects in dim light
3. Extends one hand to reach out
4. Transfer object from one hand to other (lunar grasp)

Average Age of achievement

4 months

Proprioception

6 months

7 months

Close and
open small
box

9 months

Fine Motor

Average Age of Achievement

5. Uses thumb and index finger
(pincer grip)

12 months

6. Scribbles

15 months



Cognition

Sensori Motor Development during reflexes of child



Mouthing is
important
stage

Differentiate familiar and Unfamiliar faces and crying/smiling



Stage of
emotional
development

Looking for moving toy or caregiver who moves away

Fixation
And
Object
permanance



Shakes hand with rattle and differentiates
the sounds



Response to the name call and eye contact



Non-linear motion of objects or toys



Immitation skills and pretend play



Categorization and matching objects - similarity



Stacking and manipulating



Sensory Integration

Touch and feel,

See and show

Smell and tell or point/show

Hear and tell or point/show

Taste and tell or point



Toilet training

Indicating toileting needs

Food and sleep pattern being constant, child's toileting needs can be set by fixing an alarm system.

Sitting on the potty
Foot has to be rested

Finished concept
Should indicate or get up to say 'job done'.



Matching real objects



Matching pictures



End of Early Intervention