Overall Functioning

- Overall normal intellectual functioning
- May have developmental delays in infancy
- Pattern of functioning similar to Nonverbal Learning Disabilities (NLD)
Cognitive Profile

- Verbal skills generally significantly higher
- Language development average to superior
- Nonverbal abilities often impaired
Cognitive Profile

- Higher reading levels
- Higher reading comprehension
- Better receptive vocabulary skills
  - Understand words that are less common
Cognitive Profile

- High risks for deficits in visual-spatial, visual perceptual, and visual-motor abilities
  - Visual-Spatial skills: reading maps, mazes, learning to drive
  - Visuomotor skills: writing & copying designs
Cognitive Profile

- Difficulties in executive function (attention, concentration, working memory, etc)
Attention and Hyperactivity

- Hyperactivity
- Impulsivity
- Short attention span/easy distractibility
Attention and Hyperactivity

- Usually begin during toddler years
- May not become serious until school age
- ADHD medications often not as effective
Attention and Hyperactivity

- Hyperactivity often reduces around 11 years
- Inattention may last into teenage years
Nonverbal Learning Disability

- Individuals with Turner Syndrome may have a pattern of cognitive, behavioral, and psychosocial functioning similar to Nonverbal Learning Disabilities
Nonverbal Learning Disability

- Novel problem-solving situations
- Approaching new tasks
- Processing social signals
- Math difficulties
Social Functioning in TS

- Impairments in social functioning noted
- Lower social activity
- Poor social coping skill
- Increased immaturity
- Difficulties maintaining relationships, including friendships
Social Functioning in TS

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- Lower social activity
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- Difficulties maintaining relationships, including friendships
Social Functioning in TS

- Shyness
- Anxiety
- Depression
- Often linked to self-consciousness over height, appearance and/or infertility
Possible causes

- Some impairment may be related to estrogen function
- Some deficits (e.g. motor speed, nonverbal processing, working memory) may improved following estrogen treatment.
- Other areas (e.g. visual spatial functioning and attention) less likely to be helped with estrogen.
Important Steps

- Full ongoing medical follow-up
- Psychological and/or neuropsychological testing
- Behavioral treatments
- School accommodations