



Psychosocial Effects of Turner Syndrome

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Research Question

- What are the psychological effects of Turner syndrome?
- What are daily struggles of women that experience Turner syndrome?
- Are these psychological problems directly caused by the cognitive difficulties experienced by women with Turner syndrome, or are these psychological effects more societally driven?

Methods

- My goal is to find a possible connection between the cognitive/neurophysical and psychosocial distresses. I will achieve this by:**
- Formulating and conducting a formal interview with the family of an adolescent with Turner syndrome
 - Connecting physical stress with psychological stress through a review of the literature
 - Visiting Valley Mountain Regional Center for developmental disabilities

Expected Conclusions

I expect to find that there is a direct link between physical and cognitive problems and the psychological mental or emotional distress experienced by people with Turner syndrome. I hope that this research will expand the scope of Turner syndrome research from a strictly genetic focus to include psychological studies. I also hope this work will increase awareness of Turner syndrome.



Background and Literature Review

- In the general population of people, men typically have a set of XY chromosomes, and women have XX chromosomes
 - People with Turner syndrome have one X chromosome or one-and-a-half X or Y chromosomes, which causes an array of health issues
 - People with Turner syndrome are generally phenotypically considered female, but genotypically do not have a gender
 - Turner Syndrome causes many underlying health issues
- It affects: cognitive ability
social interactions
creates neurophysical disadvantages

Turner syndrome karyotype

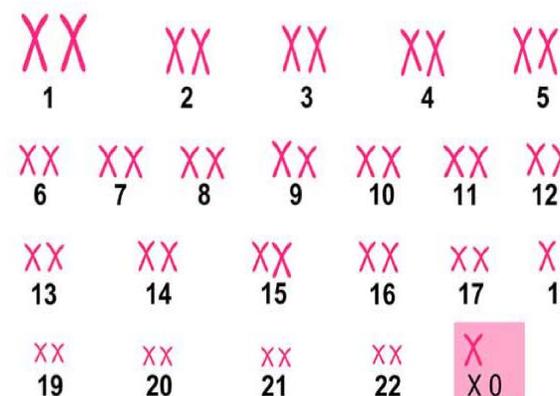


Table 17.8 Chromosome findings in Turner's syndrome

Karyotype	Frequency (%)
Monosomy X-45,X	55
Mosaicism - e.g. 45,X/46,XX	10
Isochromosome - 46,X,I(Xq)	20
Ring - 46,X,r(X)	5
Deletion - 46,X,del(Xp)	5
Other	5

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REFERENCES

- Resources:**
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Significance

- This research will:**
- Fill gaps in our understanding of the psychosocial effects people with Turner syndrome face every day.
 - Draw connections between psychological and physiological deficiencies and increase awareness about the subject
 - Help to relieve the biting curiosity and fearful unknowns that people with Turner syndrome face every day.

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