

# How common is large volume multi fibroid uterus in a patient with Turner syndrome on hormone replacement therapy? - A rare case report.

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## Background

Turner syndrome is a chromosome abnormality affecting females due to complete or partial deletion of X chromosome. It affects 25-50 per 100,000 females. Uterine fibroids are most common benign tumor with a prevalence around 70%.

The average uterine volume is between 80ml to 200ml. Large volume fibroid uterus with Turner syndrome on cyclical hormone replacement therapy has rarely been reported in the literature.

## Aim

To highlight the rare possibility of abnormal uterine bleeding with large fibroid uterus in Turner syndrome patients on hormonal replacement therapy.

## Case

A 52-year-old woman was referred to tertiary hospital with symptomatic anemia due to regular heavy menstrual bleeding. She was diagnosed with Turner syndrome at the age of 19 after primary amenorrhea. She was commenced on cyclical hormonal therapy after her diagnosis with Turner syndrome. She is nulliparous and has no other significant past clinical history.

Her BMI was 21. On examination she was pale and had a palpable mass per abdomen. She had normal cervix on speculum examination. Her hemoglobin was 71.

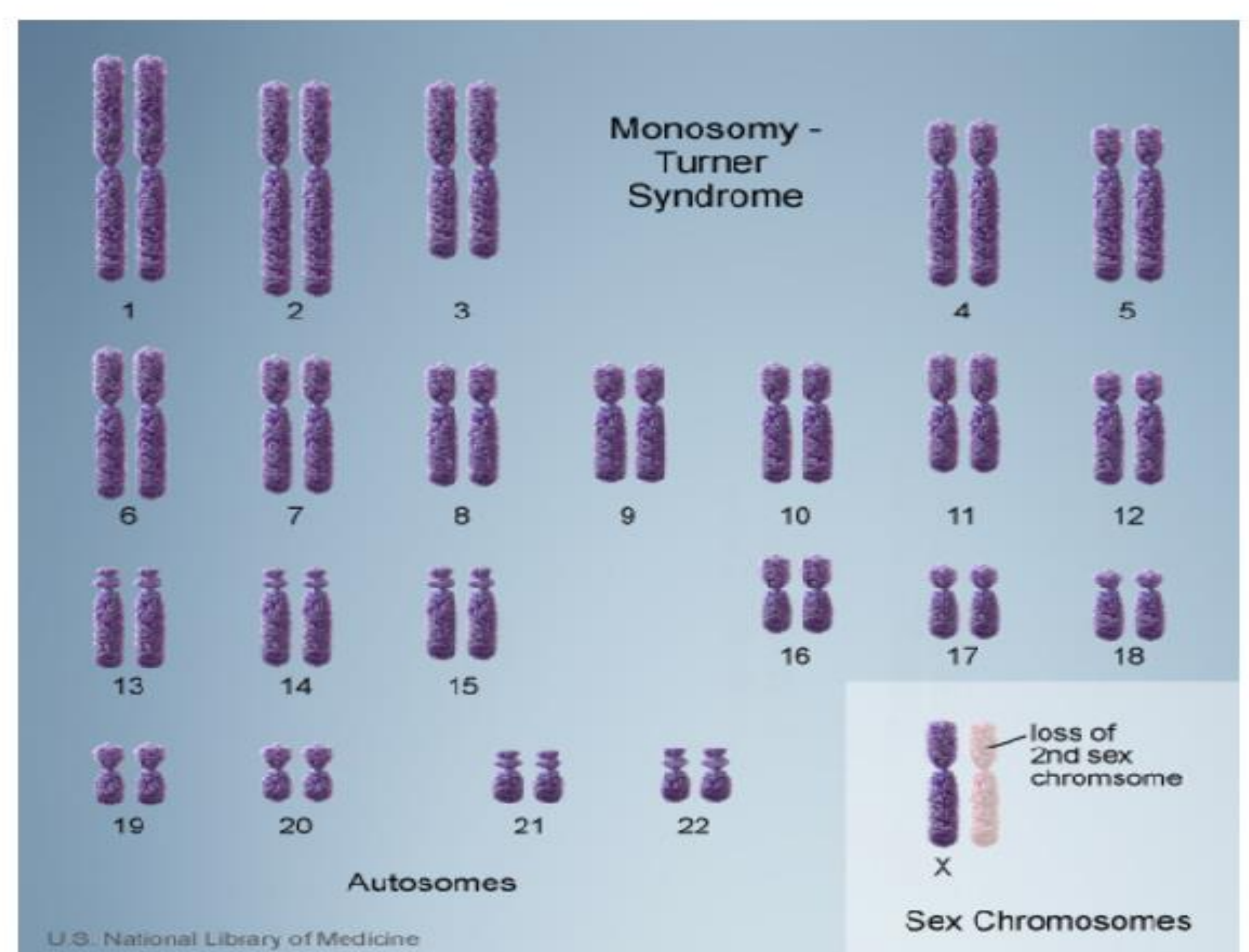
## Results

Ultrasound showed a multi fibroid uterus with a volume of 2992 ml and streaky ovaries. She had a hysteroscopic dilatation and curettage which showed histologically benign endometrium. She was offered a hysterectomy but was declined.

Her cyclical hormonal therapy was stopped, anemia was treated and commenced on alendronate for bone protection. She was planned to follow up in clinic.

## Discussion

Abnormal uterine bleeding with fibroid uterus remains a rare possibility in Turner syndrome patients on hormonal therapy.



Source: <https://medlineplus.gov/genetics/condition/turner-syndrome/>