# Fraccaro syndrome (49, XXXXY): A case study, review of clinical features and a systematic review in Iranian population 

Mahboube Rajabzadeh ${ }^{1}$, Nafiseh Taheri ${ }^{1}$, and Omid Jazayeri ${ }^{2}$<br>${ }^{1}$ Razi pathobiology diagnostic laboratory<br>${ }^{2}$ University of Mazandaran

December 21, 2021


#### Abstract

We described the clinical, biochemical, hormonal and developmental status of a patient with 49, XXXXY syndrome with routine Fraccaro syndrome features accompanied with sexual masturbation behavior. This study were compiled and summarized the clinical features and also maternal age at birth time in all yet 49, XXXXY reported in the Iranian population.


## Hosted file

Fraccaro syndrome n2.docx available at https://authorea.com/users/452109/articles/550251-fraccaro-syndrome-49-xxxxy-a-case-study-review-of-clinical-features-and-a-systematic-review-in-iranian-population



