

Clinical and Genetic Features of Women's Cohort with Turner Syndrome from Lviv Region (West Ukraine) for 1997-2017

Kitsera N^{*}, Helner N, Osadchuk Z, Bezkorovaina G and Mikula M

Institute of Hereditary Pathology, National Academy of Medical Sciences of Ukraine, Lviv, Ukraine

***Corresponding author:** Kitsera N, Institute of Hereditary Pathology, National Academy of Medical Sciences of Ukraine, Lviv, Ukraine, Tel: +0380973342609; E-mail: nkitsera@gmail.com

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Abstract

Turner syndrome (TS) is a chromosomal disorder caused by complete or partial X chromosome monosomy that manifests various clinical features depending on the karyotype and on the genetic background of affected girls. Aim of our study was to assess the clinical and the cytogenetic characteristics in patient with Turner syndrome from Lviv region (West Ukraine) for 1997-2017.

Methods: 135 female patients aged 1 month-49 years from Lviv region were clinical and cytogenetically

Mosaicism with Isochromosome X	-	-	-	-	1	0.7	11	8.1	-	-	-	-	12	8.9
45,X/47,XXX mosaicism	1	0.7	-	-	1	0.7	1	0.7	2	1.5	1	0.7	6	4.4
Mosaicism with X ring	-	-	-	-	-	-	3	2.2	2	1.5	-	-	5	3.7
Other	-	-	-	-	1	0.7	4	3.0	2	1.5	-	-	7	5.2
All mosaicism forms	4	3.0	1	0.7	9	6.7	22	16.3	13	9.6	2	1.5	51	37.8
All	17	12.6	3	2.2	20	14.8	56	41.5	27	20	12	8.9	135	100

3 B = C = ; 1 C 1 significant influence D B B CC 6 = C G D B Thyroid G6E 3 D C 3 = = E B
 E 2 BD
 B C G D E B B C B = 1 B 2 = C G D = 1 B3 E B
 6 G E 1 = 1 D DC 1 D DC G B 6 E D 1 F B E 1 B
 = C C 6 B = 1 B C after D C D 6 = 1 B3 1 D DC
 F C 3 1 B 1 = BB 1 1 B C after D C D 6
 = 1 B3 1 D DC F = BB 1 1 D DC 1
 B E 1 B = C C 1 1 B = 1 B 3 D E 1 = BB 1
 CDE 3 3 1 1 1 C C 6 1 C CD = C 6 E B 1 D DC 1 3 3 B
 3 D D 3 3 1 B 1 3 D B CD 3 1 2 = G D E B B C B = 1 B
 = B ; D 1 F 1 2 B = 1 D 6 C; D C CD =
 3 E C BD 3 ; 1 1 C 1 6 D G : 1 G B F 1 3
 1 D DC G D ; 1 B D C 1 = C 2 DG 1 2

This first

References

3 1 BD EB B C B = 3 1
 1 C3 3 BD F 3 B Dn 2
 B = 1 E: E G B 1 E CM = BC F D1
 D B C 1 G = G D E B B C B = 1 CC 3 1 D
 2 DG C= B 3 6 1 DE B C : 1 B D 1 3 1 B 1 BD 3
 = 1 6 B= 1 D C E B D
 1 F E: E G B 3: 2 E C BE
 D 1 F B C EDN = 6 3 1 B3 D D CD D 1 D DC G D
 EB B C B = 1 D D B 1 B F1 C3 D BF
 B 1 CC 3 1 C 2 CD DB 3 C 1 3 C B =
 6 61 D C= 3 Dn G 2 2 3: 1 3 E 2 DE C F1 E C
 3 B
 F B C 1 1 1 B E 3 1 D1 D 3 1
 D 3 1 C 3 DC 6 1 ED = = E D B C B BC E 1 D DC
 G D EB B C B = Dn 1 DB
 B1 F D BC G1 : : BC Gefner D1
 3 1 B1 3 D3 E C 6 B D 3 1 B 6 B C 1 G = G D
 EB B C B = B 3 C 6 B = D 3 1 D D B 1 D 1
 EB B B = D D B 1 D 1 EB B B = C CE C
 B E EB 3 B
 D 3 = EE E 1 B1 1 B1 F D B F1 3
 3 3 1 CD 3 1 1 = BD D EB B C B =
 3 B Dn 2
 B1 F D = 3 1 3 B 1 = Dn 2 3 6 1 DE B C
 EB B C B = EB 3 B

B 1 1 B F B ED = = E D 1
 EB B C C B = ED = = E F
 C BD 3 B = C = 1 2 B= 1 D C 6 E
 1 = G 2 B 3 B B CE DC 6 B = 1 1 B 3 3 CDE
 B E C = 1 B: BD 6 3 DC B BD 3 B
 C 1 F3 : 2 1 1 1 F1 1 D G
 CDE 6 EB B C B = : B1 3 DB 3 B C E B3
 2 CDB 1 3 DC D E 1 D 6 D EB 1 3 D 6 B 1 DB 3
 3 B 1 B3 1 1
 E 1 1 D1 3 1 = 1 6 CM D 1
 3 D D 3 1 1 C C 6 1 D DC G D EB B C B =
 E 3 B 1 3 1 : E 1 1 D1 3 1
 1 D 3 3 1 B 1 3 D B CD 3 C 1 B E 6 1 D DC G D EB B
 C B = = 3 DB 3 CDE Ter C: 1 1
 C = AE 1 B E 3 D F CCE C = G D EB B
 B = Dn 2 BD =
 E D 2 ED 1 3 = 6 2 FB BE 2 D 1
 BD D 1 B 1 3 EB B B = 2 CD D 1 3 1
 1 BD = D E C BB C 3 3 E 2 BD
 1 6 BD D = C 1 3 C= BD 6 1 1 D D 1 1
 D B 1 DE B B F G = D
 Shafer B 1 3 = D B 1 D 1 C CD = 6 B
 E = 1 3 D D 3 = 3 1 DE B 1 B B
 B 1 G = 1 1 DD C E B 6 B
 B = C = B 1 B 1 D C 6 E: 3 D C 3 E DE B 6 B = E = 1
 B B 1 2 C
 1 2 B D 1 2 1 D 3 AE 6 B E = 1 3 B = C = C
 1 3 D