

Misinterpretation of results in forensic DNA cases due to expression of Y- chromosome in females: A case

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The gender of an individual in forensic DNA analysis is normally accessed by presence or absence of Y-Chromosome, but it may not be true in all the cases. We hereby report an interesting case of a phenotypic female carrying a male karyotype (46XY). In the alleged murder case, the deceased female with XY genotype was noticed. The expression of 18 Y-linked genes was studied to measure the extent of expression. Expression at 4 loci was observed that might have caused the misinterpretation in forensic casework.

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