

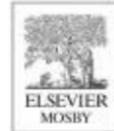
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Advances in Pediatrics 63 (2016) 15–46

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Advances in the Interdisciplinary Care of Children with Klinefelter Syndrome

Shanlee Davis, MD^{a,b}, Susan Howell, MS, CGC, MBA^{a,c},
Rebecca Wilson, PsyD^c, Tanea Tanda, BS^{a,c}, Judy Ross, MD^{d,e},
Philip Zeitler, MD, PhD^{a,b}, Nicole Tartaglia, MD, MS^{a,c,*}

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Keywords

• Klinefelter syndrome • 47,XXY • Sex chromosome aneuploidy

Key points

- Klinefelter syndrome is a common but underdiagnosed genetic condition with significant phenotypic variability in childhood.
- The pediatrician needs to be aware of the increased risk for neurodevelopmental, psychological, and medical conditions that are associated with an additional X-chromosome.
- Over the next decade, we anticipate a sharp increase in diagnosis rates with advances in genetics, particularly prenatal and neonatal diagnoses.

Klinefelter syndrome (KS) is a common genetic disorder characterized by an additional X-chromosome in male individuals leading to a karyotype of 47,XXY. The clinical syndrome was first described nearly 75 years ago in several male individuals with small testes, tall stature, gynecomastia, and azoospermia [1]. Our construct of what KS entails has greatly changed

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New HIV prevention approaches: promise, praxis, and pitfalls

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