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Cumulative live birth rates after IVF in patients with polycystic ovaries: phenotype matters

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Key message

Compared to normoandrogenic phenotypes, patients with hyperandrogenic PCOS phenotypes have significantly lower cumulative live birth rates after ART. Data from this study illustrate the importance of using the phenotypic features of PCOS rather than the diagnostic criteria of the disorder in daily ART practice and in reporting outcomes after ART.

Author Biography

Michel De Vos is an associate professor and senior medical director at the Centre for Reproductive Medicine at UZ Brussel-VUB. He is recognized as a subspecialist in reproductive medicine and surgery by ESHRE and EBCOG. His current research activities are focused on reproductive endocrinology, in-vitro maturation and fertility preservation.

Abstract

Research question: Do cumulative live birth rates (CLBR) vary among women with different polycystic ovary syndrome (PCOS) phenotypes who undergo IVF/intracytoplasmic sperm injection (ICSI) treatment?

Design: In this retrospective cohort study, data from 567 patients undergoing an assisted reproductive technology (ART) cycle between January 2010 and December 2015 were collected. Demographical traits, cycle characteristics and clinical and laboratory data were analysed.