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Short title: Implications of 2014 AEPCOS guidelines for PCOM on PCOS diagnosis

Implications of the 2014 Androgen Excess and Polycystic Ovary Syndrome Society guidelines on polycystic ovarian morphology for polycystic ovary syndrome diagnosis

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Abstract

The Androgen Excess and Polycystic Ovary Syndrome Society (AEPCOS) has recommended an updated threshold for polycystic ovarian morphology (PCOM) of 25 follicles or more, 10 ml or more of ovarian volume, or both. We describe the effect of these guidelines on reproductive and metabolic characteristics in 404 women. These women were separated into four groups: group A: hyperandrogenism and oligo-amenorrhoea ($n = 157$); group B: hyperandrogenism or oligo-amenorrhoea and PCOM meeting AEPCOS 2014 criteria ($n = 125$); group C: hyperandrogenism or oligo-amenorrhoea and PCOM meeting Rotterdam 2003 but not AEPCOS 2014 criteria ($n = 72$); and group D: non-PCOS not meeting either criteria ($n = 50$). Groups B, C and D did not differ across any metabolic markers. The AEPCOS 2014 guidelines may have limited utility in

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