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Redcliffe Labs establishes new diagnostic standards for PCOS in Indian women

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To facilitate diagnosis accuracy and treatment of PCOS



Noida-based startup Redcliffe Labs has announced groundbreaking achievement in women's health research led by Dr Sohini Sengupta, the Medical Laboratory Director. It is the first-ever study on Indian women for establishing age-specific reference intervals for Anti-Mullerian Hormone (AMH) and defining an AMH diagnostic cut-off for Polycystic Ovarian Syndrome (PCOS).

The results will facilitate diagnosis accuracy and treatment of PCOS, a condition that affects approximately 11.34% of women in India.

Dr Sohini Sengupta and her team of experts meticulously analysed nearly 2,000 samples obtained from Indian women. The study suggests the optimal cut-off point of AMH for PCOS diagnosis in the Indian female population is 7.51ng/ml.

With an impressive sensitivity of 99.4% and specificity of 95.5%, this diagnostic cut-off provides a highly accurate tool for healthcare professionals to swiftly and accurately identify PCOS in their patients. This innovative approach holds the potential to expedite PCOS diagnoses and facilitate timely interventions and treatments.

Healthcare providers in India have relied on AMH reference intervals and diagnostic thresholds derived from data collected from Caucasian women for years. Redcliffe Lab’s research is tailored specifically to the Indian female population and will provide healthcare professionals with a robust tool for better management and treatment of PCOS.