

Table 1. Summarization of various laboratory tests. The androgen levels must be measured at around 8 am, the peak time of androgen production. (PCOS in paediatric population)⁶.

| LAB OR IMAGING STUDY | EXPECTED RESULT OR EXPLANATION |
|---|---|
| Free testosterone | Elevated in PCOS. |
| Total testosterone | Elevated in PCOS. |
| Sex hormone binding globulin | Suppressed in PCOS. |
| LH.FSH | Generally, LH is higher than FSH: older criteria no however this is not always seen. |
| Prolactin | To exclude hyperprolactinemia |
| TSH. Free T4 | To exclude hypothyroidism. |
| DHEAS 17 alpha-hydroxyprogesterone | To screen for CAH, androgen-secreting tumours (in is significantly elevated, generally over 600-700n. |
| Morning cortisol level and/or 24-hour urinary free cortisol | To exclude Cushing syndrome. |
| Beta-HCG | To exclude pregnancy. |
| Consider insulin-like growth factor 1 (IGF-1) | To exclude acromegaly IGF-1, like insulin, can increase androgen production of sex hormone binding globin. |
| Lipid profile | To screen for hyperlipidaemia. |