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Title: Serum and follicular fluid testosterone concentrations do not correlate, questioning the impact of androgen supplementation on the follicular endocrine milieu

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**Short title:** Serum and follicular fluid androgen concentrations do not correlate

**Serum and follicular fluid testosterone concentrations do not correlate, questioning the impact of androgen supplementation on the follicular endocrine milieu**

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**Key message**

Neither serum LH nor serum testosterone were correlated with the follicular fluid concentrations of testosterone, dehydroepiandrosterone, oestradiol, or anti-Müllerian hormone. Therefore, it is questionable whether supplementation with androgens could improve the endocrine milieu in the follicles.

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