Polycystic Ovarian Syndrome in Adolescents: Metabolic Profile at Diagnosis, During

and After Treatment with Oral Contraceptives

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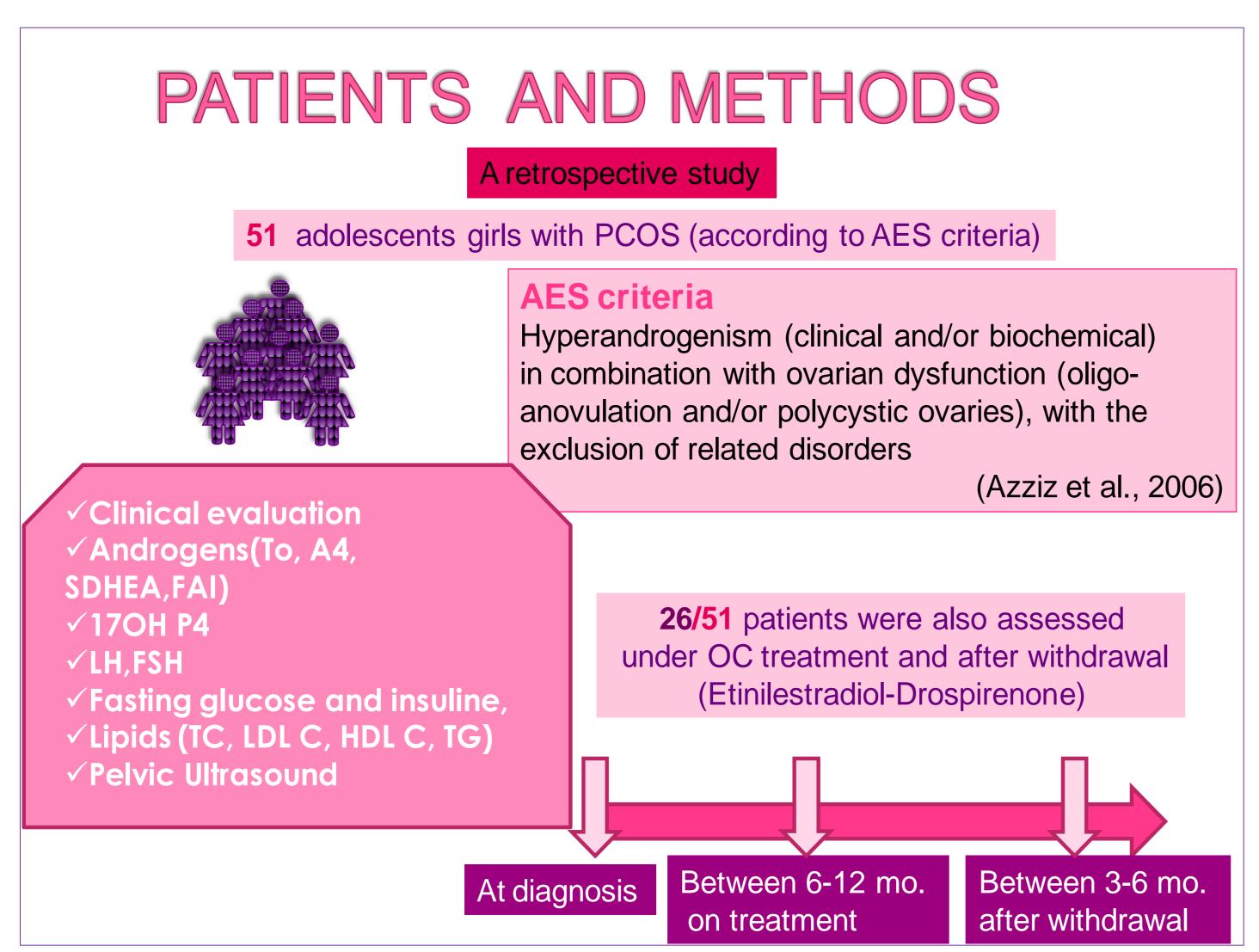
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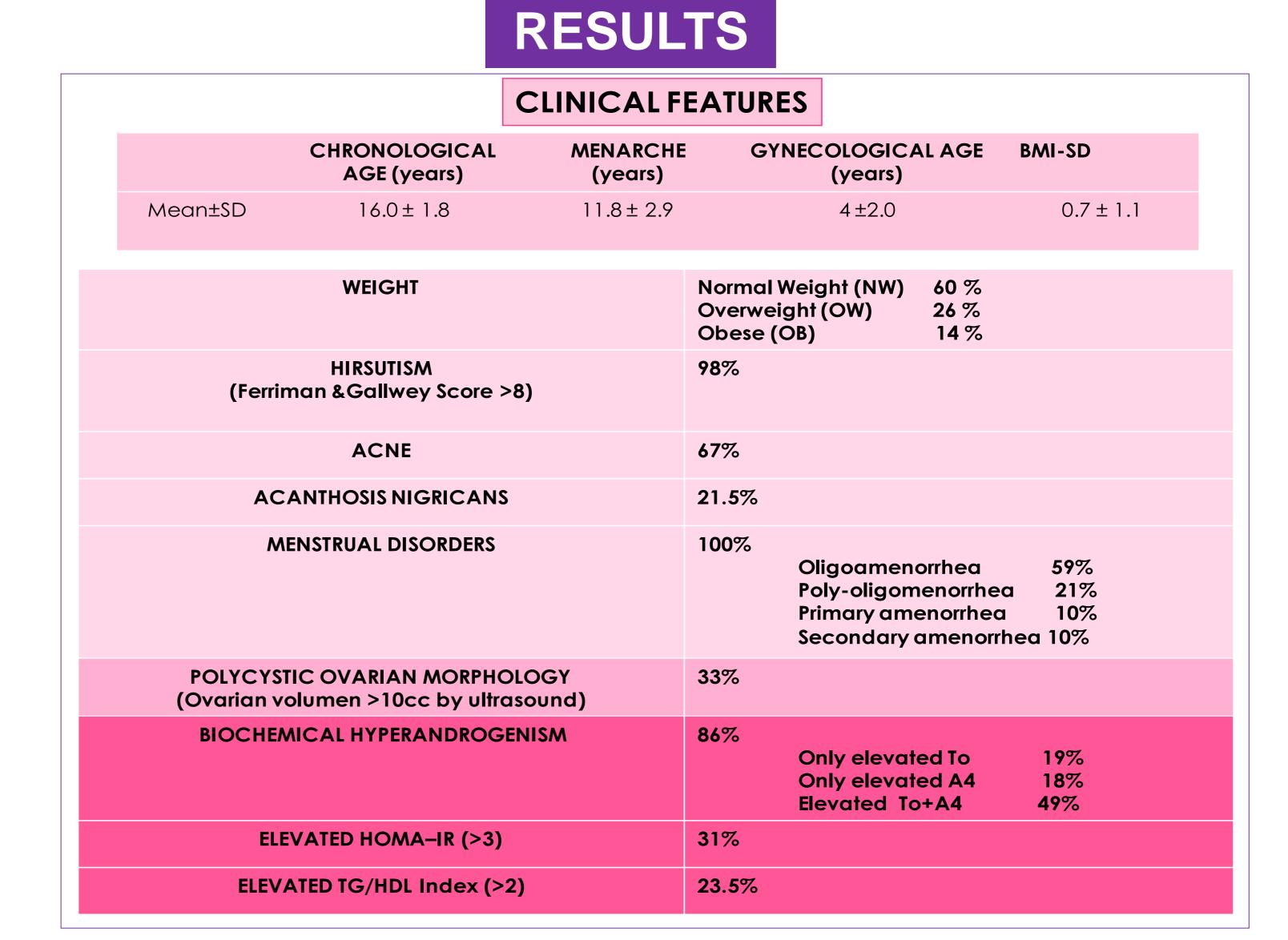
BACKGROUND

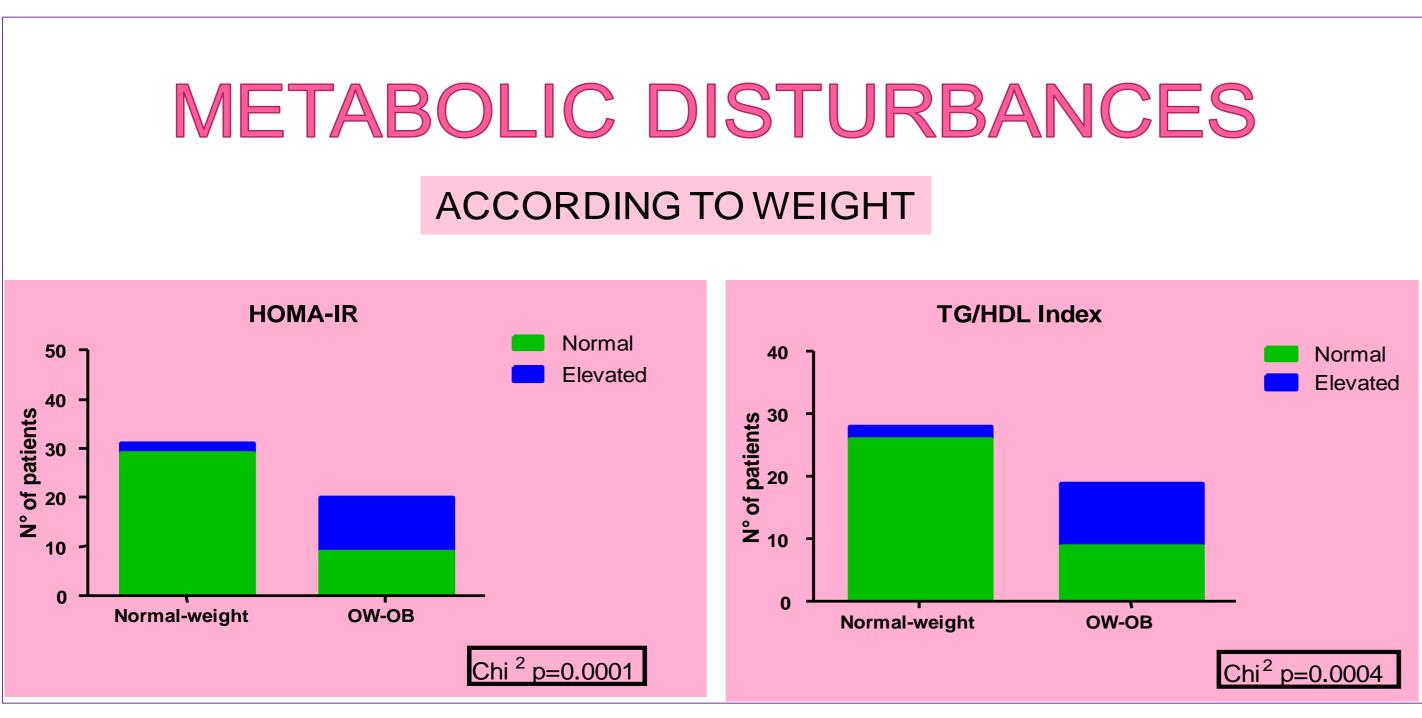
- ➤ Obesity and unfavorable metabolic profile (insulin resistance and/or dyslipidemia) are frequently observed in polycystic ovarian syndrome (PCOS).
- >Oral contraceptives (OC) are the first-line treatment of the syndrome for the improvement of hyperandrogenism and menstrual cycles.
- >The long term effects of OC on insulin resistance and lipid profile in PCOS adolescents remain controversial.

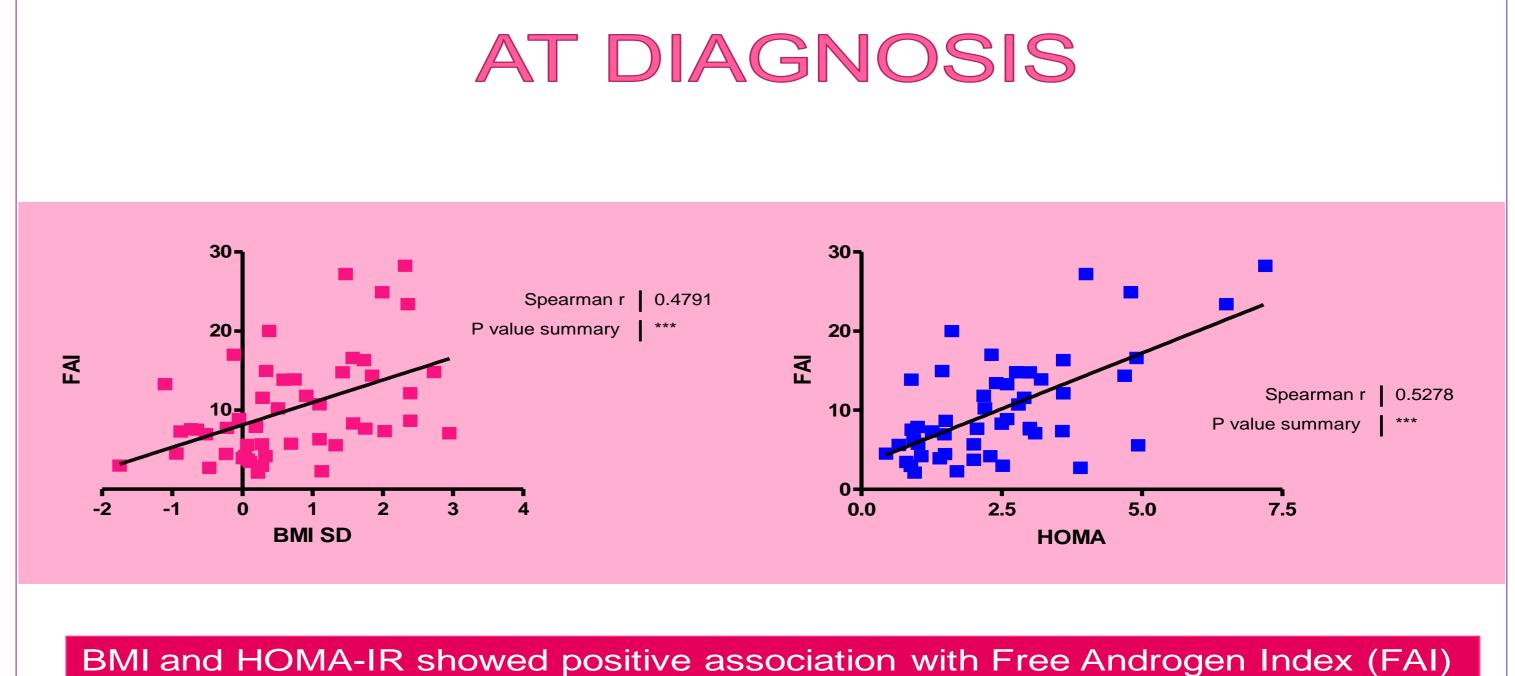
OBJECTIVE

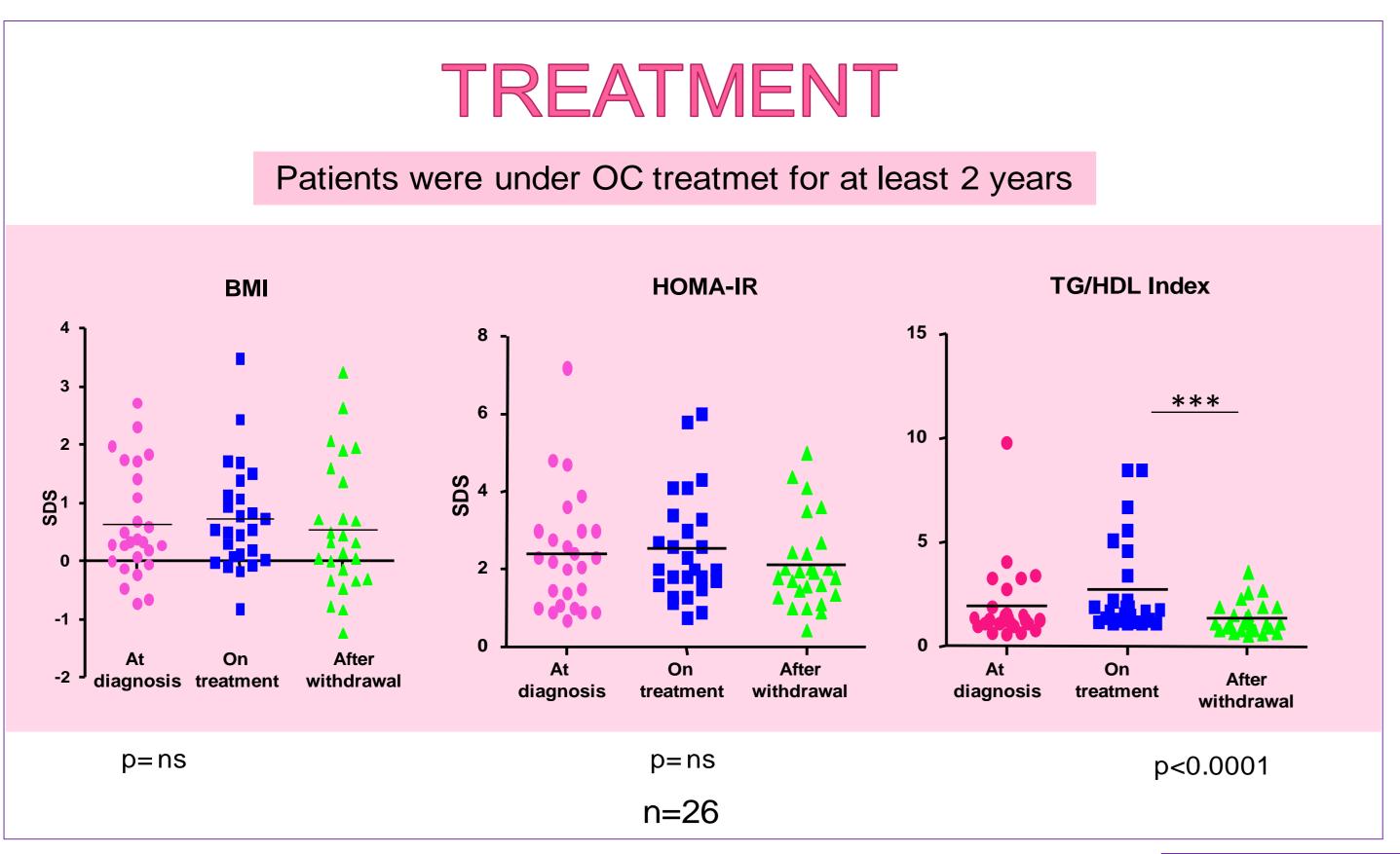
> To evaluate clinical features and metabolic profile in PCOS adolescents, before, during and after oral contraceptive (OC) treatment.

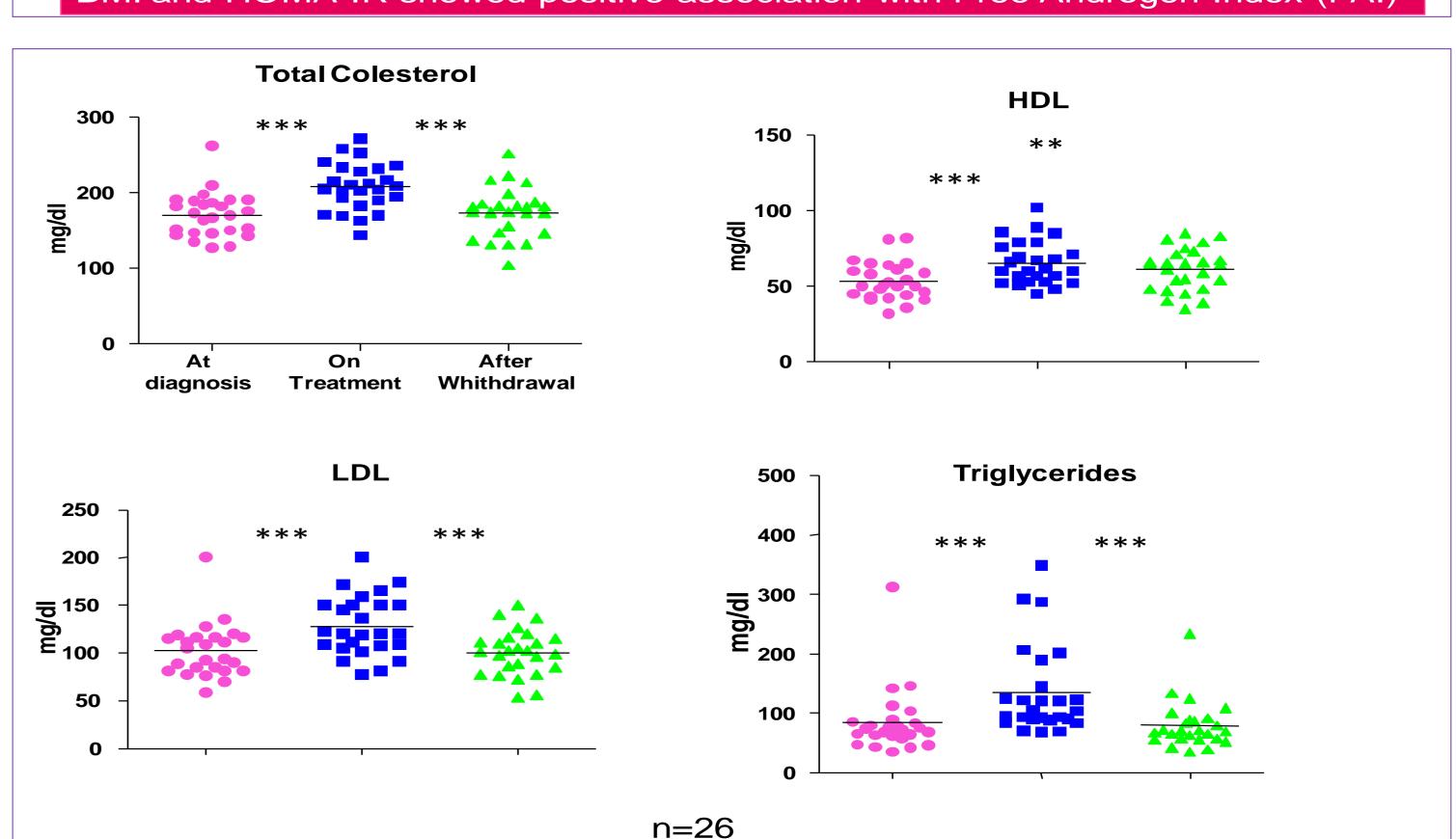












CONCLUSIONS

➤An elevated percentage of adolescent girls with PCOS have overweight or obesity.
 ➤Insulin resistance and dyslipidemia at diagnosis were mainly associated with overweight or obesity.
 ➤In our cohort OC treatment had no effect either on BMI or on insulin resistance.

>Even though total cholesterol, LDL cholesterol and triglyceride levels increased on OC treatment that unfavorable lipid profile improved after withdrawal.
>Lifestyle intervention is strongly recommended from the diagnosis of PCOS in adolescents to reduce the increased metabolic risk during adulthood.