**Aim of study:** Was to determine whether metformin, which reduces hyperinsulinemia, would reverse the endocrinopathy of PCOS, allowing resumption of regular, normal menses.

**Subjects and Methods:** A study included 29 patients with PCOS who were treated with metformin for 3-6 months and effects on regulation of menstrual cycles, weight reduction, improvement in endocrinopathy was assessed after treatment.

**Results:** Of 29 patients with PCOS, with menstrual irregularity, the analysis showed that 20 patients resume normal menses after metformin therapy, 14 patients lose weight, and there was a reduction in level of blood insulin and testosterone after treatment.

**Conclusion:** Safe and effective therapy with metformin in PCOS reverses endocrinopathy, restores normal menstrual cycles, and restores fertility, allowing pregnancy.