

P010

Successful pregnancy with short term metformin therapy for PCOS patient

Satoshi Kawachiya*, Takashi Shoda*, Kiyoshi Sato*,

Hajime Yoshihara*, Hidekazu Saito**, Tsutomu Ono*

*Department of Obstetrics and Gynecology, Sagamihara Kyodo Hospital, Kanagawa, Japan

**Division of Reproductive Medicine, National Center for Child Health and Development, Tokyo, Japan

INTRODUCTION: To report a pregnancy with short term metformin therapy for Japanese nondiabetic PCOS woman.

METHOD(S):

DESIGN: Case report

SETTING: General hospital

PATIENT(S): A 24-year-old nondiabetic woman with PCOS.

INTERVENTION(S): Ovulation induction with metformin and clomiphene citrate for nondiabetic PCOS patient.

MAIN OUTCOME MEASURE(S): Successful ovulation induction and ongoing twin pregnancy.

RESULT(S): Non diabetic PCOS patient who failed previous ovulation induction with clomiphene citrate were taken 500mg/day metformin from day 1 of menstrual cycle to ovulation. When leading follicle developed to 22mm in diameter, 10000IU of hCG was injected. Two weeks later, she was positive with urine hCG test. Two gestational sacs and two embryos were found and pregnancy is now ongoing.

CONCLUSION(S): Short term metformin therapy with clomiphene citrate may useful for nondiabetic PCOS women.