First Australian pregnancy after ovarian tissue cryopreservation and subsequent autotransplantation

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We describe the first pregnancy in Australia after fertility preservation by ovarian tissue cryopreservation and autotransplantation. The patient was a 37-year-old woman who presented in September 2005 with Grade 2 to 3 invasive ductal breast carcinoma that was oestrogen and progesterone receptor positive. Options for fertility preservation were discussed, and she decided to proceed with ovarian tissue freezing before commencing high-dose chemotherapy.

After a review of fertility preservation options, the patient was referred to the IVF program at the Prince of Wales Hospital. The patient’s oestrogen and progesterone level at the time of cancer diagnosis was < 1 ng/mL (normal ovarian reserve, > 14 ng/mL). After 6 cycles of chemotherapy, her oestrogen and progesterone level were 259 IU/L and 71.6 nmol/L, respectively.

We therefore presume that the pregnancy reported here is the first in Australia to occur after ovarian tissue freezing and autotransplantation.