Table 1

Advantages and disadvantages of transplantation of ovarian tissue

**Advantages:**

- Cryopreserved tissue can be used for both, generating pregnancies and postponing menopause
- THT probably creates a more physiological steroid hormone profile than MHT
- Oocytes from ovarian tissue, cryopreserved at younger age, probably creates embryos with a lower risk of aneuploidy
- Transplanted tissue allows spontaneous pregnancies and does not necessarily require IVF

**Disadvantages**

- Removal and transplantation of ovarian tissue impose surgical risks
- Removal, storage and transplantation of tissue is more expensive than MHT
- Individual duration of tissue activity cannot be foreseen and is limited
- THT cannot be stopped without surgical tissue removal
- Effect of THT on menopausal symptoms such as hot flushes, libido reduction and sleeping disorders as well as on prevention of osteoporosis, arteriosclerosis and breast cancer has not sufficiently been evaluated