

## Embryo Transfer Protocol 2020

The aim is to obtain an embryo from a mare of genetic value (donor mare) and transfer it into a recipient mare. This allows the donor mare to remain in work or competition. Embryo transfer can also be used for donor mares that are sub-fertile, produce an embryo and then cannot maintain it in the uterus, or for donor mares that cannot carry a foal to term possibly due to an orthopaedic injury. Also, some people use embryo transfer as a means of obtaining multiple foals from one mare in a given season.

It is important that the donor mare and the recipient mare cycles are closely synchronised. At the appropriate time, following administration of an ovulation induction agent, the donor mare is inseminated, usually with chilled or frozen semen, once the donor mare ovulates the recipient mare is given the same ovulation induction agent, so she then ovulates approximately 48 hours after the donor mare.

An embryo flush is then performed on the donor mare to harvest the embryo, usually this is 7 days after ovulation for chilled and 8 days for frozen semen. If the recipient mare is on site then the embryo will be transferred into her, using a non-surgical approach.

Following the embryo flush the donor mare is medicated with prostaglandin to bring her back into season and the process is repeated if required. The recipient mare is scanned 14/16 days after the donor mare ovulated, if she is in foal the recipient mare is scanned again at 28/30 days and 42 days.

## The costs

Artificial insemination – see separate protocol.

Synchronisation of recipient mare (2 mares per cycle is recommended) - **£150** + vat for first recipient mare per cycle; **£100** + vat for additional recipient mares per cycle (for mares kept at the same location as the donor mare). **Recipient mares kept at a separate location to the donor will be charged a visit fee per examination.**

Embryo Flush and Search - **£275** + vat

Non-Surgical transfer of embryo into recipient - **£170** + vat

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