The following adaptations were made to the NOS criteria:

**Selection**

Case definition:

Representativeness of the cases: cases were deemed representative if torsion was carried out in a similar manner to what is seen in clinical practise.

Selection of controls: community controls were defined as subjects being of the same species and from the same source.

Definition of controls: a star was given if the animals used in the experiment had no history of ovarian torsion

**Comparability**

Stars were given if the rats in the case and control group had similar characteristics

**Exposure**

Non-response rate: this was given a star if all the subjects were accounted for at the end of the experiment

Ascertainment of exposure: stars were given if the researcher analysing the animals were blinded to the case/control status and if the data came from a secure record