

Supplement Table 1. PECOS (Population, Exposure, Comparator, Outcomes, Study design) of this systematic review

Category	Description
Population	Animal with varicocele
Exposure	Varicocele
Comparator	Animal without varicocele
Outcomes	Primary outcome • Values of oxidative and heat stress markers (ROS), total antioxidant capacity (TAC), Malondialdehyde (MDA), sperm DNA fragmentation in animal with varicocele compared to animal without. Secondary outcome • Conventional semen parameters (semen volume [mL], sperm concentration [$\times 10^6$ /mL], total sperm motility [%], progressive sperm motility [%] and normal sperm forms [%]).

ROS: reactive oxygen species.