Minimally invasive surgery in reproduction

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Surgical sterilization of female dogs via either ovariohysterectomy (OVH) or ovariectomy (OVE) is one of the most commonly performed surgeries in veterinary medicine\(^1\). With the advancement of minimally invasive options for these procedures, there is increasing interest in these procedures over traditional methods of surgical sterilization for both the dog and bitch.

In a recent study by Hsueh et al. 2017, a survey of 1,234 people about 1435 bitch spay procedures revealed that two-port laparoscopic ovariectomy was the most popular choice, followed by single port laparoscopic ovariectomy. If only minimally invasive surgeries were offered, 0.3% of respondents would refuse surgery. Nearly half (48%) of respondents were willing to spend between $100 and $200 more for a minimally invasive ovariectomy than for an open celiotomy. The targeted population was personnel (veterinarians, veterinary students, and nurses/technicians) within large university teaching hospitals in North America that perform both minimally invasive surgery and open spay procedures\(^1\).

Surgeries are performed at Queensland Veterinary Specialists with the assistance of Dr David Burgess BVSc FANZCVSc.

Presented in video format are:
- Laparoscopy Port Placement
- Visual Guided Entry into the Abdomen
- Ovariectomy and Ovarian Remnant Removal
- Ovariohysterectomy and Uterus Removal
- Cryptorchid Castration
- Abdominal Castration

References