

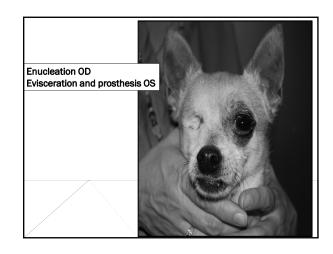


More cosmetic appearance than enucleation

### Very few complications

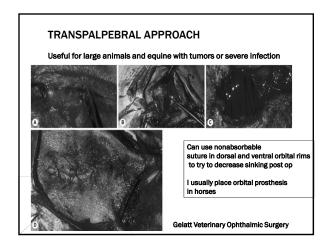
- Can get corneal ulcers
- Can still get keratoconjunctivitis sicca

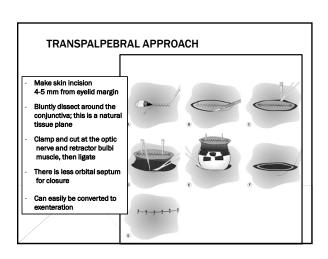




ENUCLEATION

# **ENUCLEATION TECHNIQUES** Transconjunctival ( or subconjunctival) approach Transpalpebral approach Lateral approach - I have never done the lateral approach





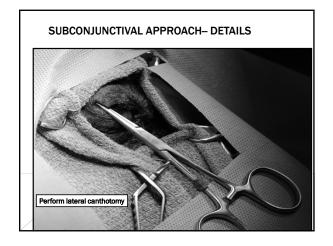
#### SUBCONJUNCTIVAL APPROACH

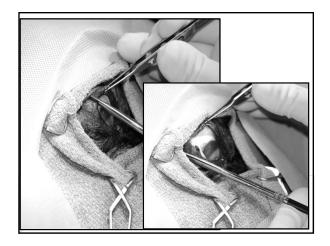
I use this procedure almost exclusively for small animals

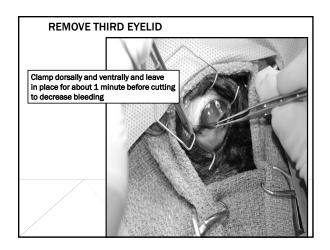
- less traction on the globe
- less tissue removed, therefore more cosmetic appearance
- better exposure of vessels and optic nerve
- Easier (I think)

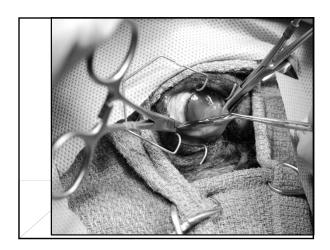
#### TIPS:

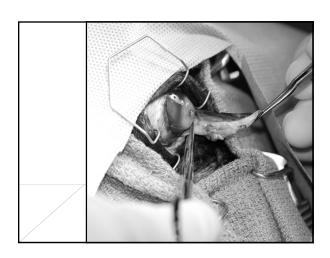
- $\operatorname{\mathsf{Make}}$  sure to always remove everything in the  $\operatorname{\mathsf{same}}$  order
- For small animals, usually do not have to ligate ON or vessels if you clamp before transecting, but sometimes will use gelfoam or hemoclips
- We will perform this approach in lab
- You can do one eye with this approach and one with transpalpebral if you want to and time allows

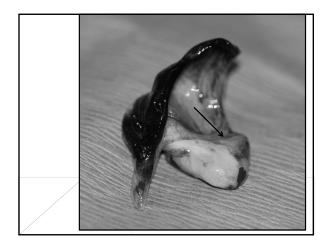


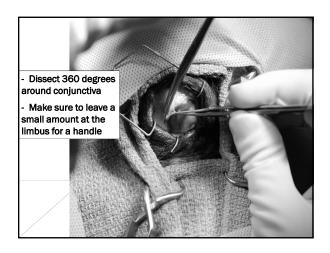


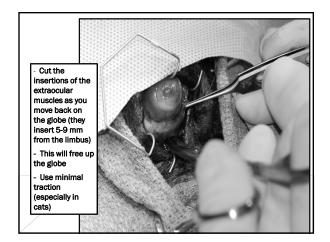


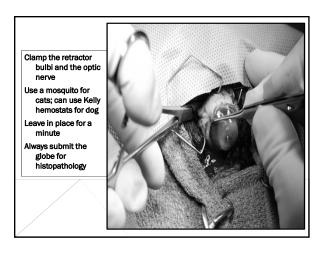


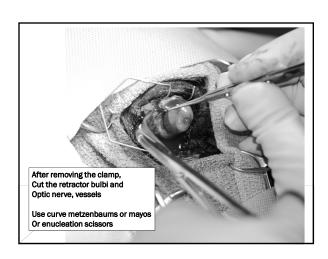


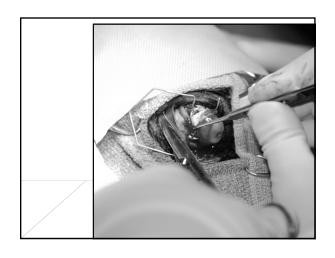


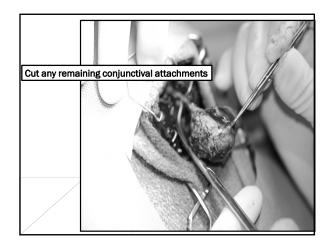


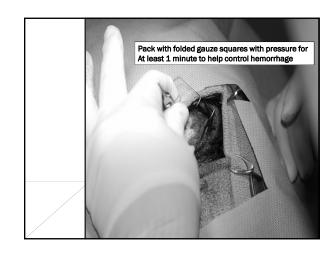


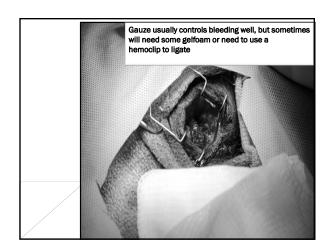


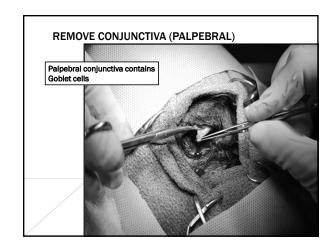


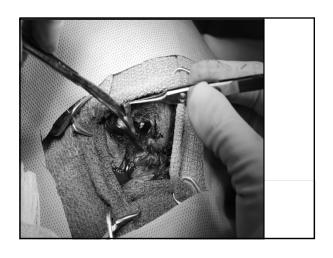


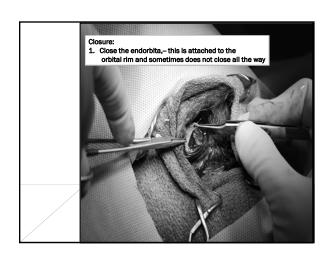


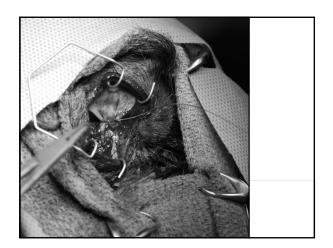


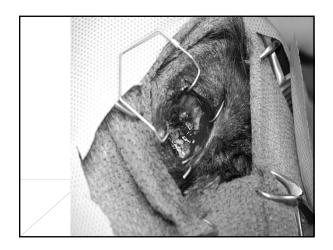


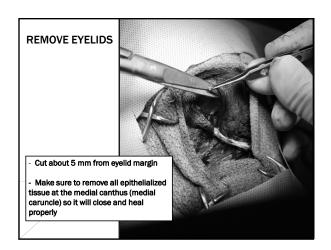








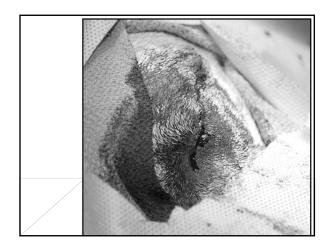


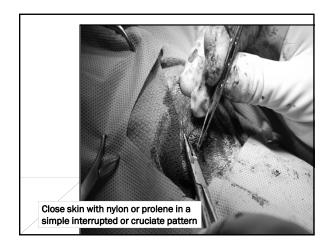


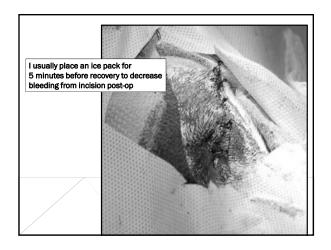


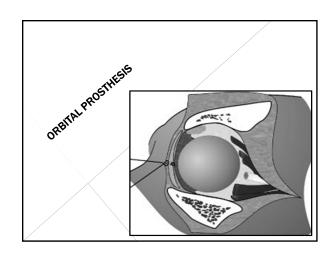






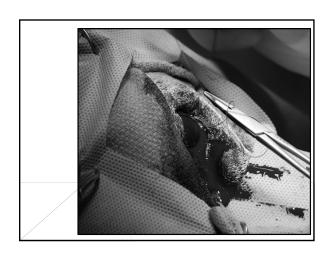






### **ORBITAL PROSTHESIS**

- Can be placed in the orbit to take up space
- Very useful for horses, but also use commonly for small animals with large orbits (large breed dogs)
- Silicone prosthesis that is steam sterilized
  - Size 40-48 for horses
- Size 20-24 for small animals
- Absorbable suture material is used to suture the endorbita of the orbital rim to close over the prosthesis









#### POST-OPERATIVE CONSIDERATIONS

#### Control pain

- Use oral or injectable NSAIDs if possible
- Do a retrobulbar block (will learn about this in anesthesia lecture)
- I usually give methadone, hydromorphone, or buprenorphine for 12 -18 hours post-operatively for additional pain control

There is often a small amount of bleeding from incision and/or nostril following procedure (for up to a few days)

Tends to be minimal

May need to place E collar Remove sutures 10-14 days

## DISCUSS COSMETICS PRIOR TO SURGERY

Discuss with owner how their pet will look after surgery

- Eye socket will be closed (many owners think it is left open)
- Looks like they are closing eye
- Pet will still have facial expression
- Will sink in slightly (for brachycephalics) and more than that for large breed dogs/horses if prosthesis is not placed.
- Usually discuss with owners that prosthesis is safe, but there is possibility it may need to be removed if causes foreign body reaction.

