

### Causes of Dystocia



#### Shoulder Flexion

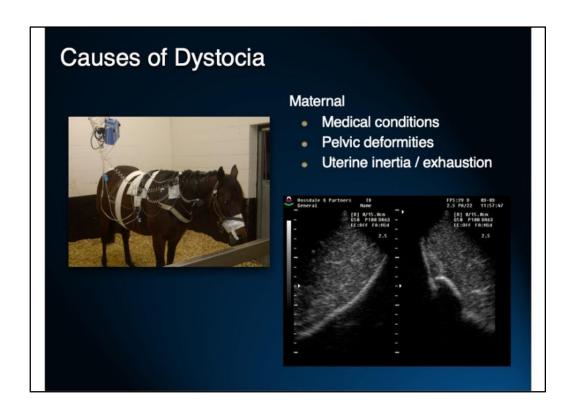
- Difficult to correctly position quickly
- Requires controlled delivery with GA
- Need to lift shoulder, then address resulting carpal flexion
- If live foal caesarean without delay

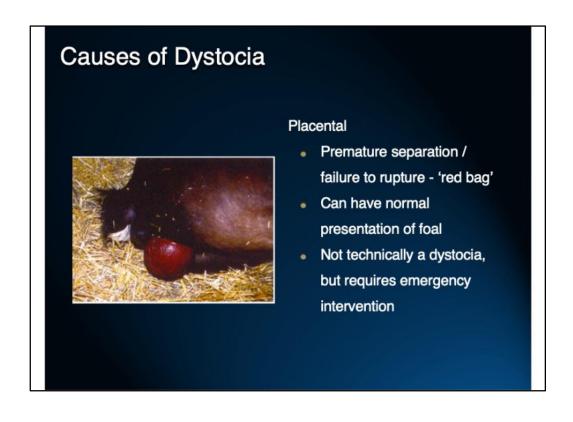
# Causes of Dystocia

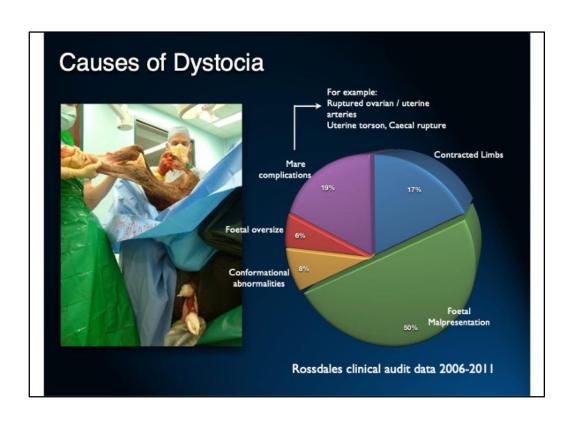
#### Carpal Flexion

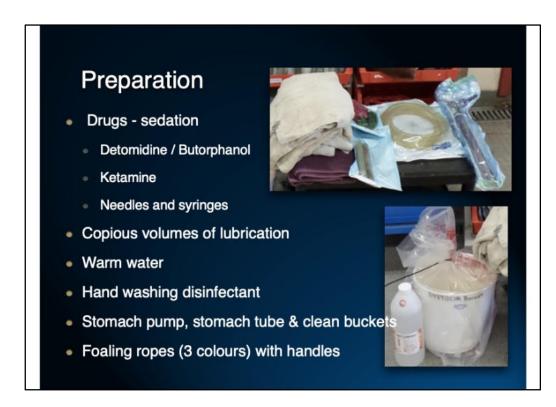
- Related to carpal contracture
- Repel foetus back into uterus, extend carpus then reposition for delivery
- Can involve both carpi
- Uterine trauma is a concern

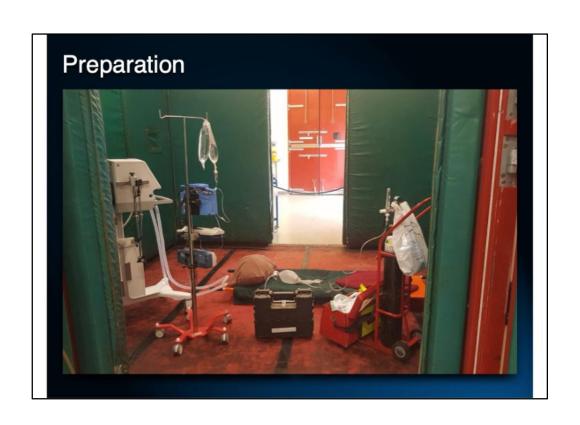












#### Roles



Allocate specific responsibilities -

- Stud vet in charge, manipulate mare
- Foal / medical team foal resus and assist stud vet
- General nurse clip abdomen, assist stud vet, operate hoist
- Theatre nurse set up theatre & lay up surgical trolleys
- Intern anaesthesia
- Students time and record keeping
- Surgeon waits in the wings!

### Controlled Vaginal Delivery



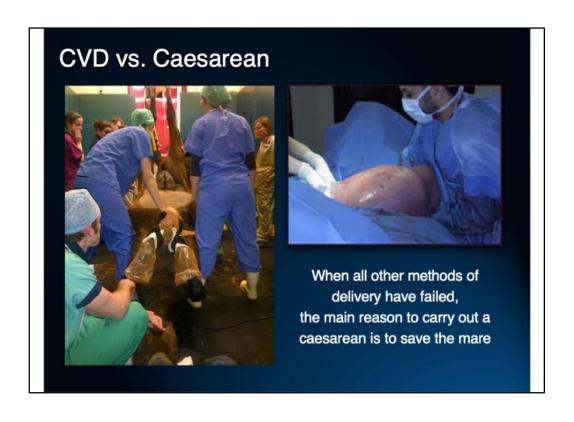
- Must be very quick and efficient!
- Requires a GA and hoist
- Trandelenberg position mare in dorsal recumbancy w/ hind quarters lifted high
- Gravity helps move foal cranially, out of pelvis
- With foal out of pelvis, room to reposition for normal delivery
- Fetotomy NO !!
- For live foal 10 minutes maximum time spent on CVD

### Controlled Vaginal Delivery

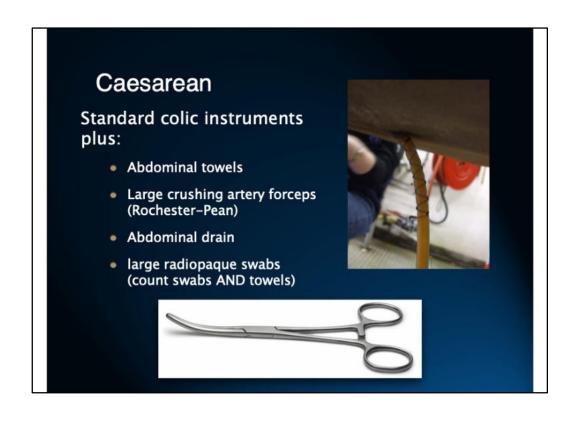
A word on fetotomies...



- Definition the reduction of the foetus to decrease its size prior to removal from the uterus
  - To be avoided!
  - Only indicated to save the mare if caesarean is refused
  - Carried out by experience stud vets only
  - Often leads to a damaged cervix – affecting future fertility





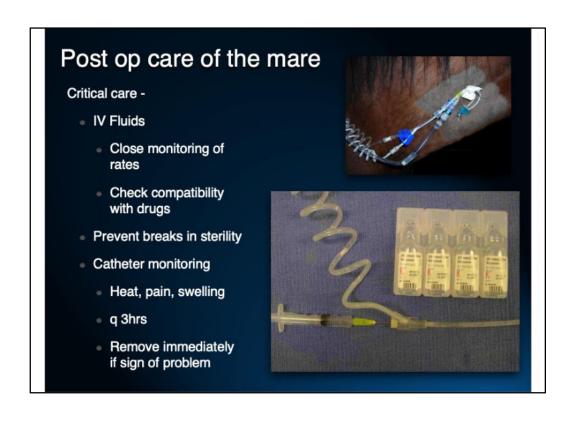


#### Caesarean

- Long midline skin incision
- Incise through abdominal wall umbilicus cranially
- Locate gravid horn and exteriorise
- Pack around horn with sterile towels
- Locate leg though wall of horn cut 15-20cm right over that leg
- Lift foal out of uterus
- Peel back placenta from wound edges
- Suture uterus oversew edges w/ continuous suture. Then 2 layer closure, slightly inverting edges
- Routine abdominal closure





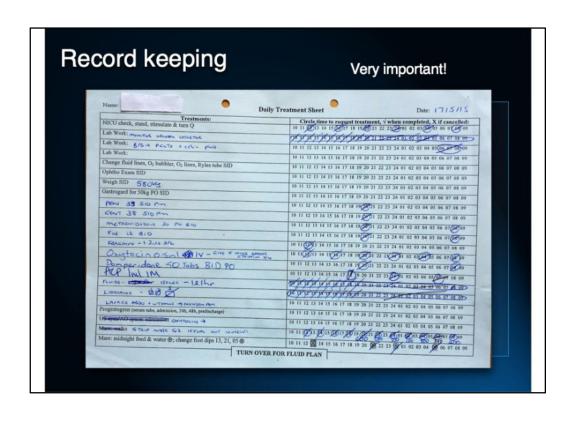












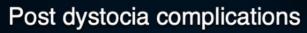


# Post dystocia complications

#### Colic pain

- Common on recovery from dystocia
- Normally uterine cramping
- Usually resolves quickly
- Severe unrelenting pain colon torsion?!
- q3 hr check of vital signs
  - +/- analgesia
  - +/- IV fluids







Retained foetal membranes can lead to -

- endotoxaemia
- metritis
- laminitis
- death

Tie up placenta, do not cut!

- Weighted with water bag
- Oxytocin
- ABs if persistent
- Inspect closely after it has passed









