

SHEEP AND GOATS

Anticholinergics

| | Dose (mg/kg) | Route | Frequency |
|----------|--------------|-------|--------------------------|
| Atropine | 0.4-0.6 | | before anesthesia, |
| | 0.2 | | every 15 min. thereafter |

Tranquilizers

| | Dose (mg/kg) | Route | Frequency |
|--|--------------|-------|-----------|
| Acepromazine | 0.1-0.5 | IM | |
| Chlorpromazine (Thorazine [®]) | 1.1-2.2 | IV,IM | |
| Diazepam (Valium [®]) | 0.5-1.0 | IM,IV | |
| Promazine (Sparine [®]) | 0.4-1.0 | IM | |
| Xylazine HCl (Rompun [®]) ¹ | 0.1-0.3 | IM | |

¹ Will induce profound salivation. Care must be taken to avoid aspiration

Analgesics/NSAIDS

| | Dose (mg/kg) | Route | Frequency |
|---|--------------|----------|-----------|
| Buprenorphine (Buprenex [®] C ^V) | 0.005 | IM | q4-6h |
| Butorphanol | 0.05-0.5 | IM | q4h |
| Carprofen | 4 | SC | q72h |
| Flunixin meglumamine (Banamine [®]) | 0.5-1.0 | PO,IV,IM | q8h |
| Ketoprofen | 3 | IV,IM | q24h |
| Meperidine (Demerol HCl [®]) | 2-10 | IM,SC | |
| Phenylbutazone | 2-4 | PO,IV | |

Neuromuscular Blockers²

| | Dose (mg/kg) | Route | Frequency |
|-----------------|--------------|-------|-----------|
| Succinylcholine | 0.02 | IM,IV | |

² Must be used with an appropriate anesthetic.

Anesthetics - INJECTABLE

| | Dose (mg/kg) | Route | Frequency |
|---|----------------|----------|-------------------------------------|
| Alpha-chloralose ³ | 50-60 | IV | |
| Ketamine HCl/Acepromazine ^{4,5} | 22/0.55 | IV | |
| Ketamine/Diazepam | 4-7.5/0.25-0.5 | IV | |
| Ketamine/Medetomidine | 2/0.02 | IV | |
| Ketamine HCl/Xylazine ^{1,4,5} (Rompun [®]) | 15/0.1 | IM | |
| Propofol | 3-4 18-40 | IV IV | Induction Per hour - Maintenance |
| Pentobarbital sodium (Nembutal [®]) | 25-30 | IV | |
| Tiletamine and zolazepam (Telazol) | 5.5 | IV | Lasts 100 minutes |
| Thiopental sodium 2-4% | 20-25 | IV | |

¹ Will induce profound salivation. Care must be taken to avoid aspiration

³ Terminal studies only.

⁴ Ketamine HCl dose should follow tranquilizer dose by 10 min.

⁵ With intermittent administration of ketamine HCl 2-4 mg/kg IV to maintain anesthesia.

Anesthetics - INHALANT⁶

| | Induction % | Maintenance % |
|-------------------------------------|-------------|---------------|
| Halothane (Fluothane [®]) | 3 | 0.5-1.5 |
| Isoflurane (Forane [®]) | 3-4 | 1.5-2.0 |

Generally, sheep and goats do not have the same regurgitation and salivation problems as cattle. Withholding food and water for 48 hr. in adults eliminates bloating and regurgitation in animals under general anesthesia.

⁶ These agents should be used only in ways that prevent exposure to personnel. Induce anesthesia in a closed container and maintain with a nose cone in an appropriately ventilated hood.

Reversal Agents

| | Reverses Effects of | Dose (mg/kg) | Route | Frequency |
|---------------------------------------|---------------------|--------------|-----------|-----------|
| Atipamezole (Antisedan [®]) | Medetomidine | 0.125-0.2 | IV (slow) | |
| Yohimbine | Xylazine | 0.125-0.22 | IV (slow) | |