Basic Equipment for Ophthalmic Surgery

* small towel clamps such as Schaedel’s;
* Bard-Parker #9 blade handle;
* small Mayo scissors;
* general suture scissors;
* small stitch scissors (Westcott);
* forceps such as Adson or Brown-Adson suitable for eyelid surgery in large ruminants;
* Allis tissue forceps useful during entropion surgery;
* forceps such as fine Bishop-Harmon suitable for eyelid surgery in small ruminants;
* 4 Hartman curved mosquito hemostats;
* four 6≤ Kelly hemostats;
* Derf or other small needle holder;
* large, curved utility scissors with serrated blade (enucleation in adult cattle);
* small curved and straight Metzenbaum scissors;
* small ophthalmic scissors such as a Stevens or Westcott tenotomy scissors,
* a small needle holder appropriate for 5-0 to 6-0 or smaller suture such as an 11 mm, nonlocking, curved Castroviejo needle holder;
* small tissue forceps suitable for cornea and conjunctiva, such as 0.4 mm Colibri-type 1x2 or delicate 1x2 Bishop Harmon;
* double-ended Martinez corneal dissector;
* Snellen or Desmarres lid forceps with solid lower plate;
* simple eyelid speculum, such as a 20-mm Barraquer;
* Desmarres lid retractors (2);
* and nonlinting sponges.\*
* A binocular magnifying loupe is extremely useful for eye surgery in the field or hospital if better magnification systems are not available.
* Suture material appropriate for eye surgery should be available, including 4-0 silk for stay sutures and procedures such as tarsorrhaphies. Synthetic absorbable sutures, 4-0 to7-0, with the smallest size needle available are suitable or corneal repair in smaller ruminants.