**Surgery of the Teat and Udder**

A picture containing indoor, scissors, hanging, table

Description automatically generated

A- teat bistoury

B- teat cannula

C-tumour extractor

D- teat slitter (danish pattern)

E- clamp

Teat surgery instruments

* A #3 scalpel handle and a number 10 surgical blade are needed for debridement.
  + Small needles, blades etc to allow minimum damage to teat, because tissue wot heal if milk is constantly leaking out
* A small size Metzenbaum is appropriate to trim necrotic or redundant tissue.
* An Adson or Brown-Adson thumb forceps is needed for careful manipulation of the tissue.
* Absorbable suture size 3.0 to 4.0 on an atraumatic needle for suturing the mucosa and the subcutaneous tissue.
* Nonabsorbable monofilament size 2.0 for skin

Teat Surgery Instruments

* Teat bistoury
* Cornell teat curette
* Lichty teat knife
* Tumor extractors
* Slitters
* Udder-Infusion Cannula
* self-retaining teat cannula/tubes
* Teat Dilator

Udder-Infusion Cannula

* Function: to administer medication into the teat canal. Other possible uses include draining a mastitic quarter, keeping a teat canal or sphincter open during and after surgery, flushing an abscess, and performing a peritoneal tap.
* Characteristics: a blunted needle like tube can be inserted into the teat canal. By using a syringe, medication can then be injected.
* A close up of a building

  Description automatically generatedA picture containing object, indoor, table, sitting

  Description automatically generated

Self-retaining teat cannula/tubes

* Function: to keep an injured teat open for milking
* Characteristics: these tubes are inserted after surgery or after a surgery that may cause the teat to swell. They help to keep the canal patent while the teat heals.
* A close up of an object

  Description automatically generated
* A picture containing weapon, knife

  Description automatically generated
  + Dr larsen’s

Teat Dilator

* Function: To open the teat canal
* Characteristics: A gradually widening instrument is slipped into the teat canal to open it.
* A picture containing sitting, toothbrush, surface, remote

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  Description automatically generated

Lichty Teat knife, or bistoury

* Function: to open stenotic teats by incising through scar tissue or other constricting tissue
* Characteristics: is slims stainless steel blade is attached to a handle. The point or tip of the blade maybe sharp or blunt.
* A picture containing graphical user interface

  Description automatically generated

Cornell teat curette

* Function: to scrape the inside of the teeth canal and remove obstructions or tumours or to take biopsies.
* Characteristics: the bottom of the loop has a sharp edge and the upper part is dull, and is a fixed to a handle. The loop gathers tissue as it is pulled out of the teat.
* A picture containing building, sitting, knife, game

  Description automatically generated

Hug’s Tumour Remover

* Function: to remove tumours or other fibrous material from the teat canal that are attached
* Characteristics: a bullet shaped tip is slender enough to be introduced into the teat canal. Once the instrument has passed the tumour, it is opened and the sharp blades on the underside of the tumour bullet slice through the tumour as the instrument is removed from the canal.
* A picture containing building, racket, ball, game

  Description automatically generated
* Don’t pull it out

Teat Slitter

* Function: to make an incision from the inside to the outside
* Characteristics: the blade of this slim instrument is hidden inside the shaft. The instrument is slipped into the teat canal and the blade is released by pushing on the ring; that allows an incision to be made from the inside to the outside.
* A picture containing indoor, sitting, small, table

  Description automatically generated

Doyen Clamp

A picture containing photo, sitting, old, table

Description automatically generated

* When there is a laceration in the teat, clamp to stop hemorrhage while you debride

Udder Support

* Function: to support an injured or pendulous udder
* Characteristics: A net is placed around the udder, then strapped to the cow's body. This transfers the weight of the udder to the cow’s back and keeps the udder from being stepped on or injured.
* A cow is standing in the grass

  Description automatically generatedA cow is standing in the grass

  Description automatically generated

California Mastitis Test Kit

* Function: To screen for and diagnose mastitis in cattle
* Characteristics: the paddle is divided into four quarters that correspond to the four teats. Milk from each quarter is placed into its corresponding circle. A reagent is mixed with the milk, and if agglutination is seen, mastitis is suspected.

