

Abscess knife
(open abscess)



hoof knife
pairing & thinning



quitter knife
quitter disease



Allis forceps

hold soft tissue

artery forceps

crushing bleeding

dressing forceps

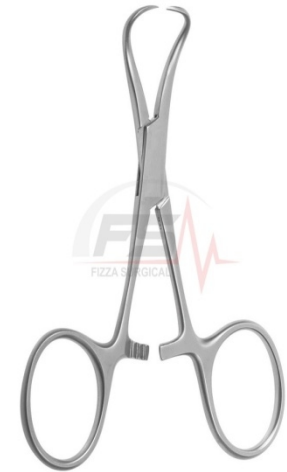
hold cotton

intestinal forceps

hold intestine, enterotomy

towel forceps

fix towel



Non tooth forceps
hold any tissue

ruminal forceps
hold rumen

needle holder
hold needle

wound dilator
dilate



Blunt scissor

cut muscle



sharp scissor

cut node



clipping scissor

clip hair



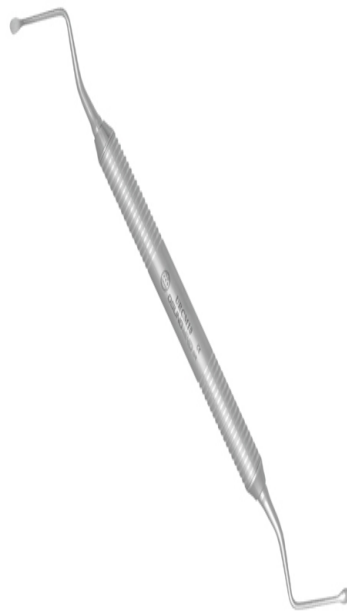
laterally curved scissor

remove bandage



Dental curette

remove debris



double spoon curette

remove necrosis



metal probe

detect depth



Wiengarth set teat siphon trocar & cannula
rumenotomy teat orifice systostomy



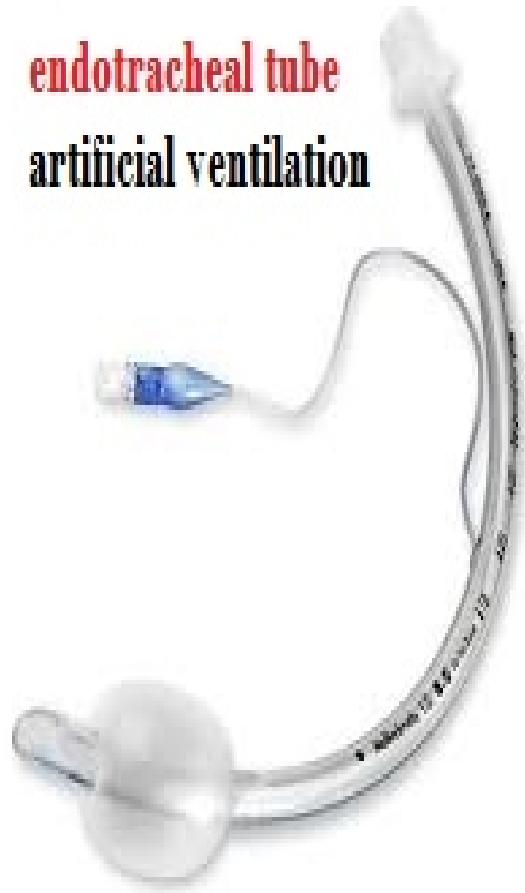
wiengarth set
(frame.. forceps.. hocks)
use / rumenotomy



Burdizzo hoof cutter hoof tester emasculator
castration trim hoof test hoof nail castration



endotracheal tube
artificial ventilation



john tracheal tube
permenant tracheostomy



trephining machine
use/ trephining operations



preosteal elevator
use/elevation preosteum

Suture material

Ideal character:

High tensile strength with stand break edge

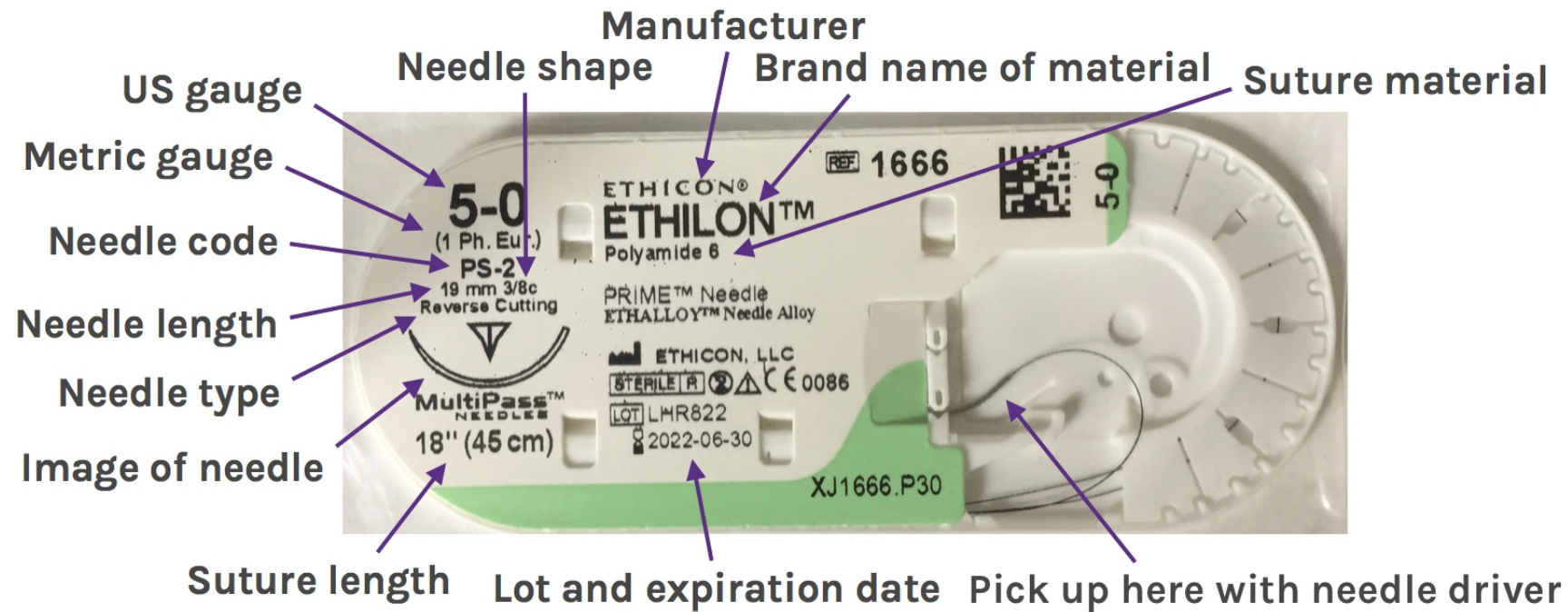
Non capillarity (no spread infect)

Non reactive

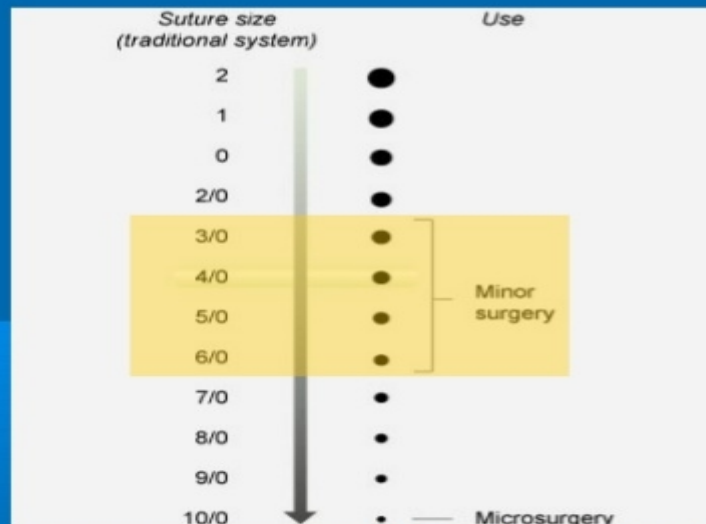
Re sterilization

Elasticity (prevent corrugation)

High node security



Gauge of the suture materials



2 Thick

1

0

00

000

0000

00000 Fine

Natural Absorbed suture material

| Plane cat gut | Chromic Cat gut | Collagen | Kangaroo tendon | Fascia lata | Cargill membrane |
|---------------------------------------|-----------------------|----------------------|--------------------|--------------------|------------------|
| Serosa intestine | Chromic a | Bovine flexor tendon | Tail tendon | Bovine fascia lata | Bovine cecum |
| Phagocyte | Preserve in isopropyl | | | | |
| Multifilament | | | | | |
| 10 D | 20:40 D | 60 D | | | |
| Easy hand Elastic Strength | = | Less react | For joint & hernia | | |
| Capillarity No re sterile swell | = | less strength | | | |

Synthetic absorbed suture

| Poly glycolic a | Poly glacton 910 | Poly diaxanone |
|------------------|--|----------------|
| Dixon | Vicryl | monocryl |
| Multifilament | Multi filament | Mono filament |
| Lysied by enzyme | hydrolized | Hydrolized |
| 40:60 D | 90 D | 6 M |
| | Strong No allergy سهولة نفاذ الانسجه | |
| | Not for bladder | expensive |

Natural Non absorbed suture

| Silk | Umbilical tape |
|--|--|
| Multifilament | |
| High strength Easy handling Re sterilize Tanning capillarity (olive oil) | In vaginal prolapsed Tie umbilical cord |
| Removed in 14 D | |
| Allergy Infection Not for bladder | |
| Mouth Git Eye | |
| | |
| | |

Synthetic non absorbed suture

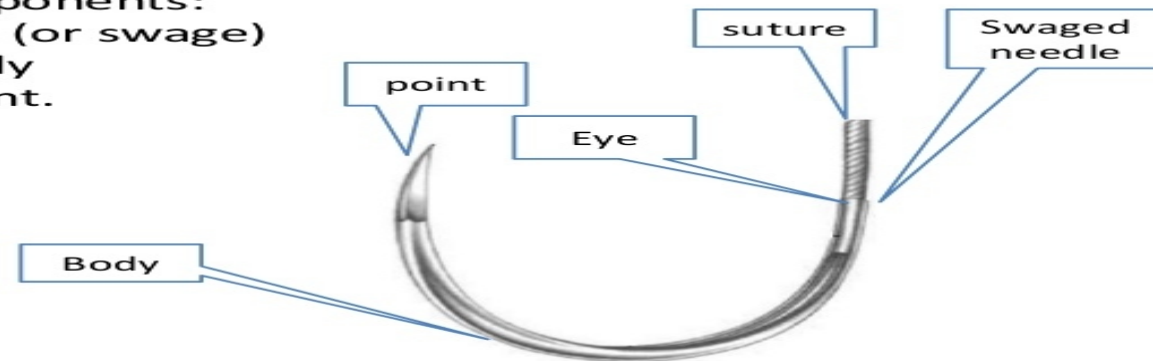
| Nylon | Prolene | Poly ester | Poly merized | Metallic | Stainless | Metal clips |
|--|-----------|---------------|--------------------------------|---------------|------------------------------|---------------------------------|
| Mono Multi | Mono | Multi | | | | |
| Smooth. Less irritant. Low friction. | | Non metallic. | | | Non corrosive | Non corrosive. Less scaring. |
| Poor knot | Poor knot | Poor knot | Poor knot Non re sterilize. | High irritant | Low capillarity Poor knot | |

needle

Basic Needle Design

all surgical needles have three basic components:

1. eye (or swage)
2. body
3. point.

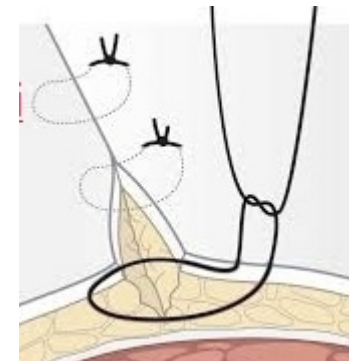
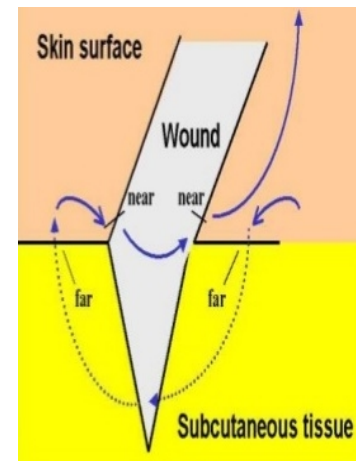
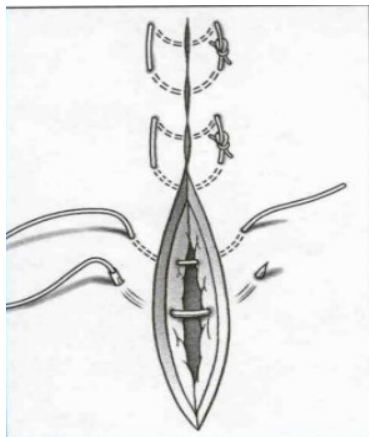
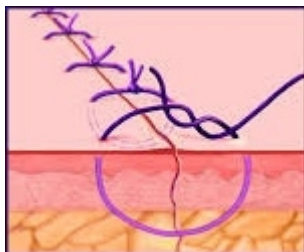


Needle point - Geometry

| | | |
|--|-----------------------------|---|
| | Taper-Point (Round) | <ul style="list-style-type: none"> •Suited to soft tissue •Dilates rather than cuts |
| | Reverse cutting | <ul style="list-style-type: none"> •Very sharp •Ideal for skin •Cuts rather than dilates |
| | Conventional Cutting | <ul style="list-style-type: none"> •Very sharp •Cuts rather than dilates •Creates weakness allowing suture tearout |
| | Taper-cutting | <ul style="list-style-type: none"> •Ideal in tough or calcified tissues •Mainly used in Cardiac & Vascular procedures. |

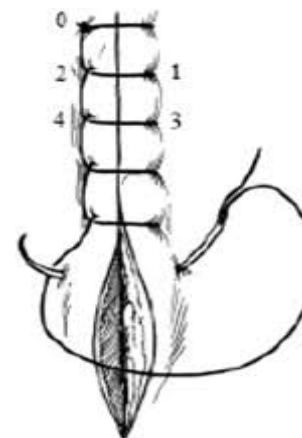
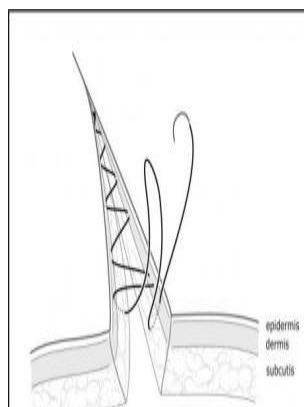
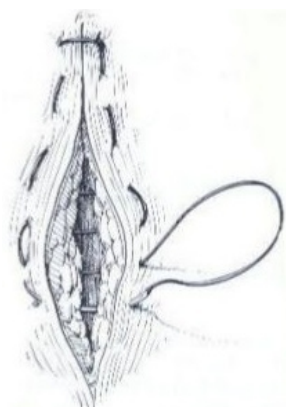
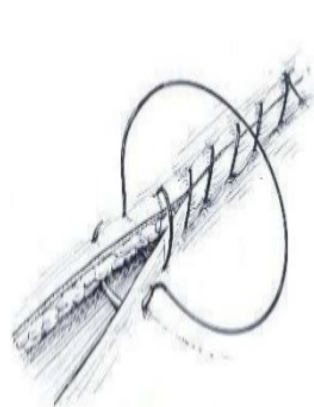
Interrupted external suture

| Simple | Horizontal mattress | Horizontal + tube mattress | Vertical mattress | Donate |
|--|---------------------------------------|----------------------------|----------------------------------|-----------------|
| Common | .Skin dog, horse, cow | Tube | Far far, near near | Skin + id +skin |
| .Easy .Rapid | .In tissue tension | | .resist tension .less version | |
| .Inversion .More time .More suture | .may version .interfere with blood | | More time & suture | |



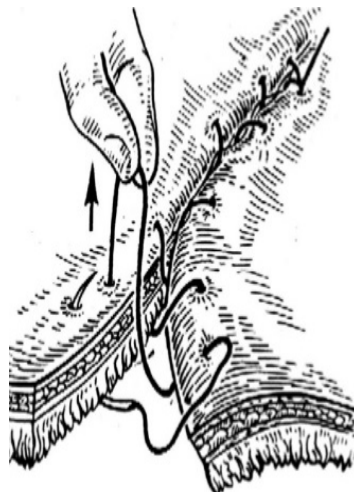
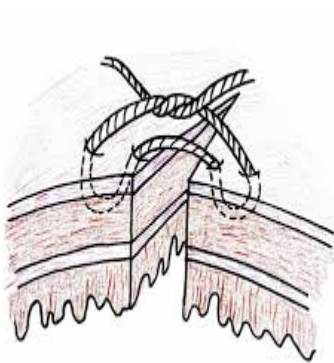
Continuous external suture

| Simple | Continuous mattress | Sub cuticle | Continuous ford interlock | Shoe maker |
|---|---------------------|------------------|---------------------------|--|
| | Zig zag, parallel | Horizontal in ID | Modify simple | |
| .for little tension .less silk .rapid | | For only young | Better opposite | اعمل horizontal رایج جای واربط بعد ما ارجع |
| .one cut so all cut | eversion | | More suture | |



Internal suture

| Lembert | Schinieden | Cushing | Connel | Purse string |
|------------------------|----------------------|---------------|------------|----------------|
| Interrupted | من جوا لبرا | Parallel | As cushing | Complete ring |
| Sero muscular | Easy No inversion | Sero muscular | ٣ طبقات | For small open |
| Inversion steno sis | | inversion | | |



Internal suture

| Parker kerr | Belachoting | Modified belochoting |
|---------------------------|--|--|
| Cushing covred by lambert | زى ال cushioning بس تبدأ من مكان ما بدات. الوحيد اللي بيبدأ من ال wound. طبقتين | زى اللي قبلها بس بخفى ال knot. بخفيها انى بدخل الابره جنب ال knot وارجع لورا وبعدين اكمل خياطه لقدام عادى |

ملاحظات

١- كل الخياطات الداخليه تبدأ من ال healthy ماعدا ال belachoting

٢- ال intestine تتخيط ب simple interrupted طبقتين او ٣ طبقات واغطيها بحتهم ال omentum

٣- الحيوانات الصغيره داخلى ، خيط 1/0 او 2/0

٤- الحيوانات الصغيره عضلات ، خيط 1 او 2

٥- الحيوانات الكبيره ، خيط 3