

Surgical Instruments



Operating Room Instruments

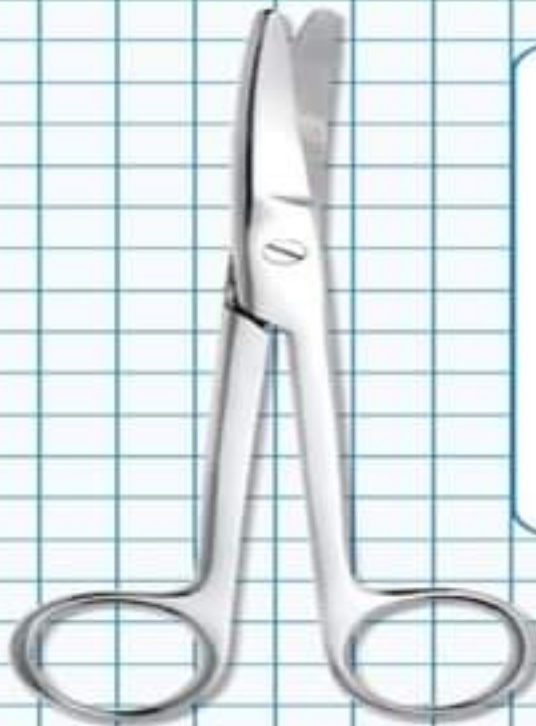
- or SURGICAL INSTRUMENTS, are specially designed tools used during a surgery or operation



Scissors



MAYO CURVE - Used to cut the ligatures or other suture material. It is also used to cut heavy tissues and internal organs so that adjacent tissues are protected while using it. (i.e. fascia, muscle, uterus, breast)



Tip Detail

Love to
study



MAYO STRAIGHT – Used for cutting ligatures, sutures and supplies. It is also used for removing sutures of incisions.



METZENBAUM – Used to cut delicate tissues.



CLAMPING AND OCCLUDING INSTRUMENTS

- used to compress blood vessels
or hollow organs for hemostasis
or to prevent spillage of contents

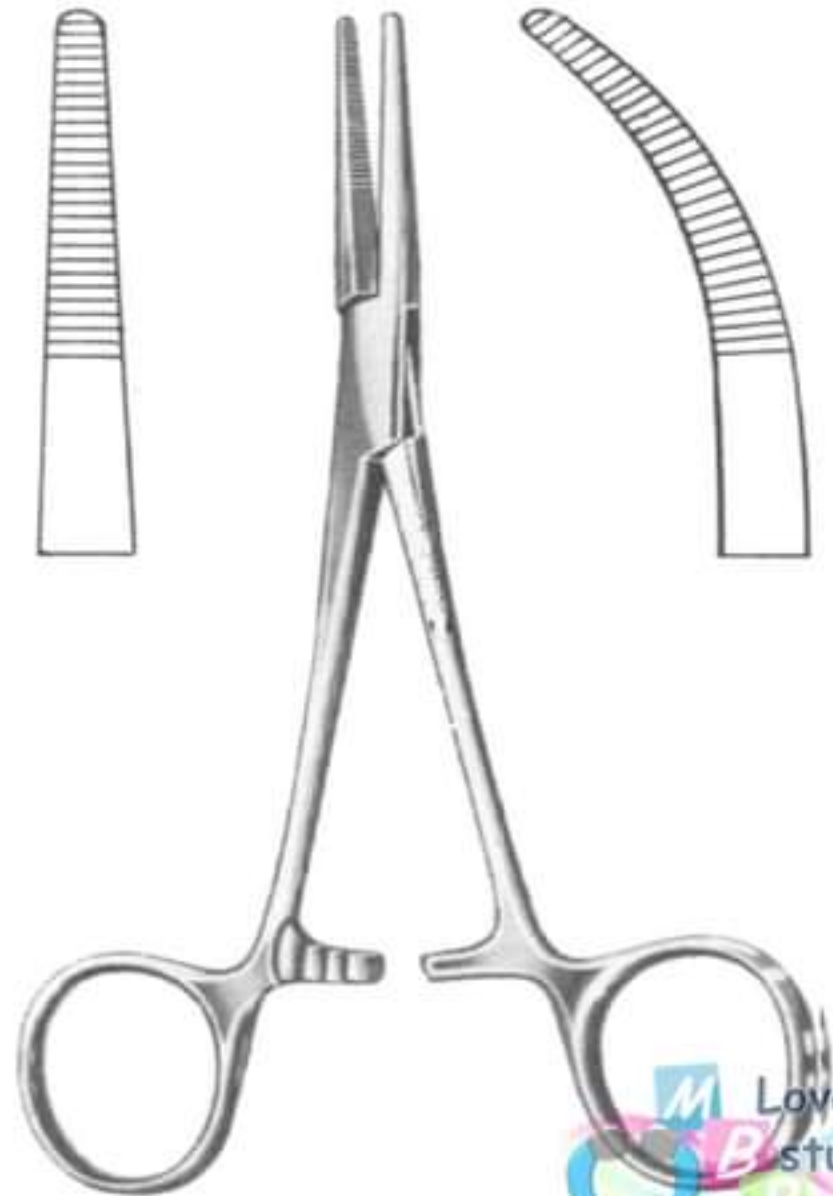


MOSQUITO – USED TO CLAMP SMALL
BLOOD VESSELS. (may be straight or curved)



KELLY CURVED AND KELLY STRAIGHT

— USED TO CLAMP LARGER
VESSELS AND TISSUE.





ADISON FORCEPS

– USED TO CLAMP DEEP
BLOOD VESSELS



GRASPING AND HOLDING

- Grasping and holding instruments are used to hold tissue, drapes or sponges.



ALLIS

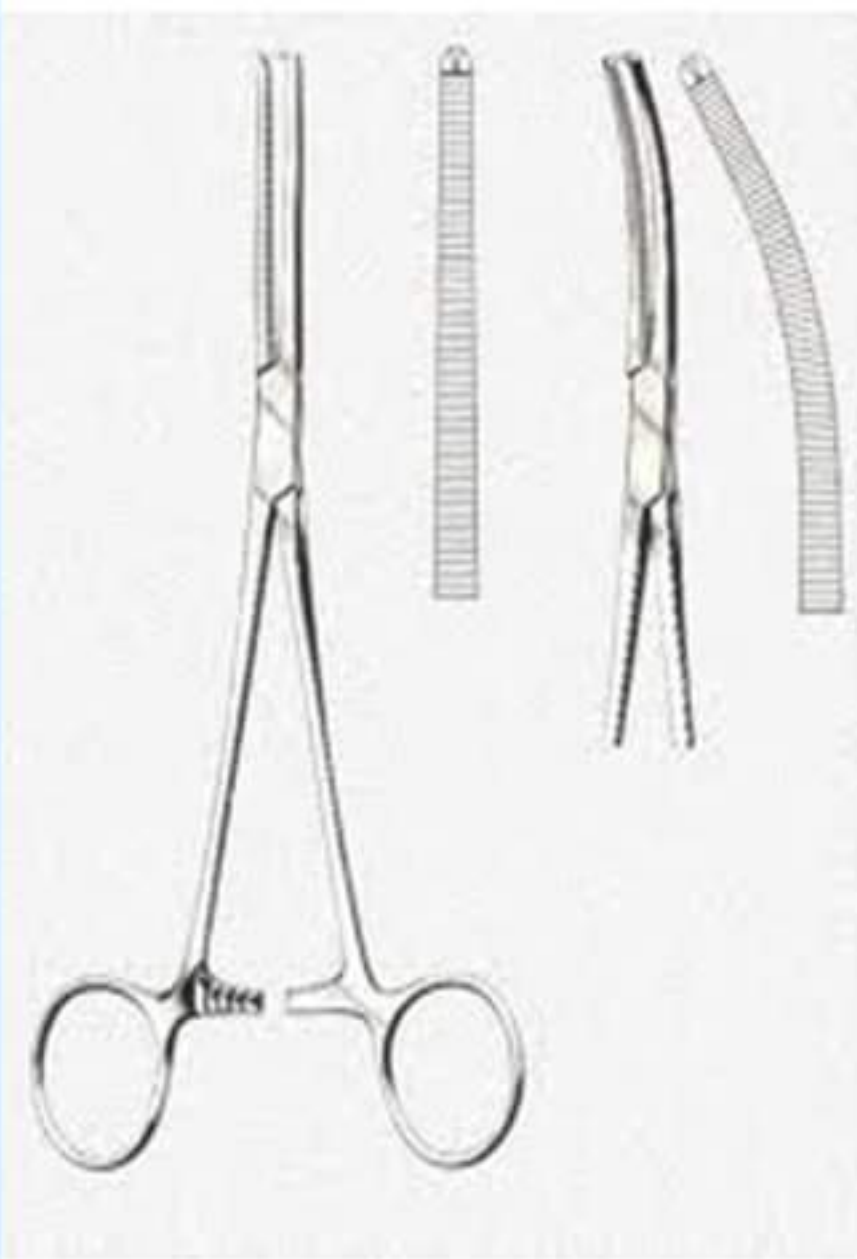
- USED TO GRASP TISSUE



BABCOCK

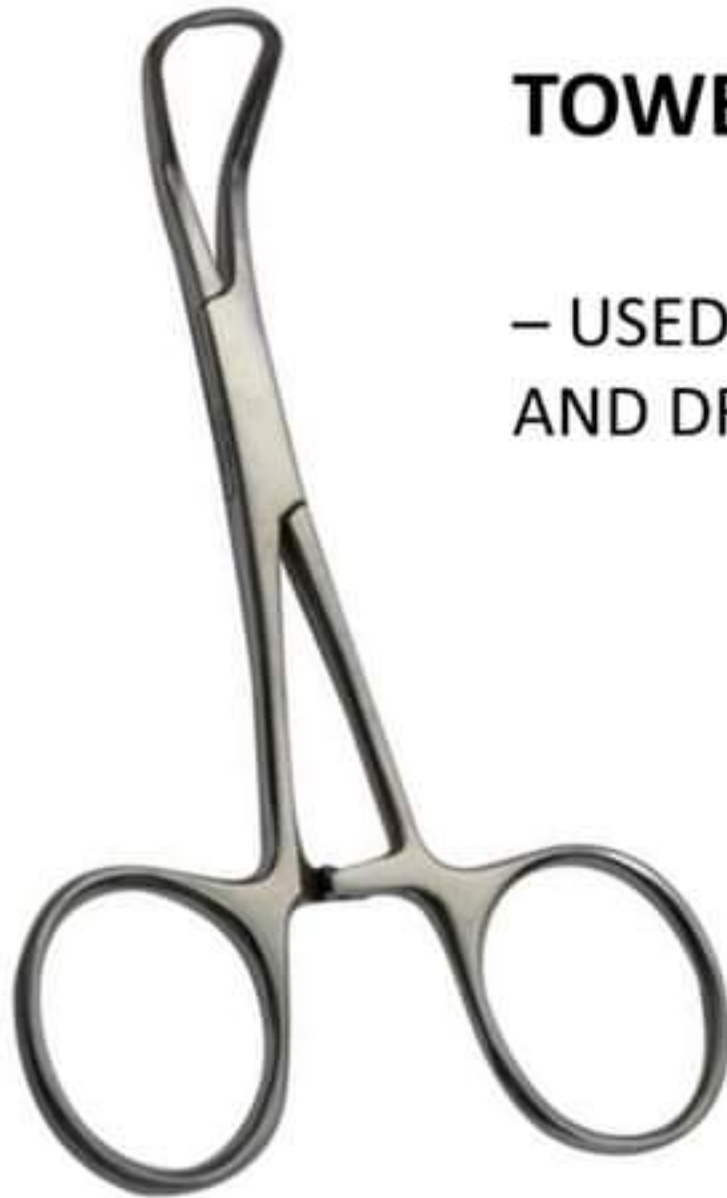
– USED TO GRASP
DELICATE TISSUE (i.e.
INTESTINE, FALLOPIAN
TUBE, OVARY)





KOCHER

– USED TO GRASP HEAVY TISSUE



TOWEL CLIP

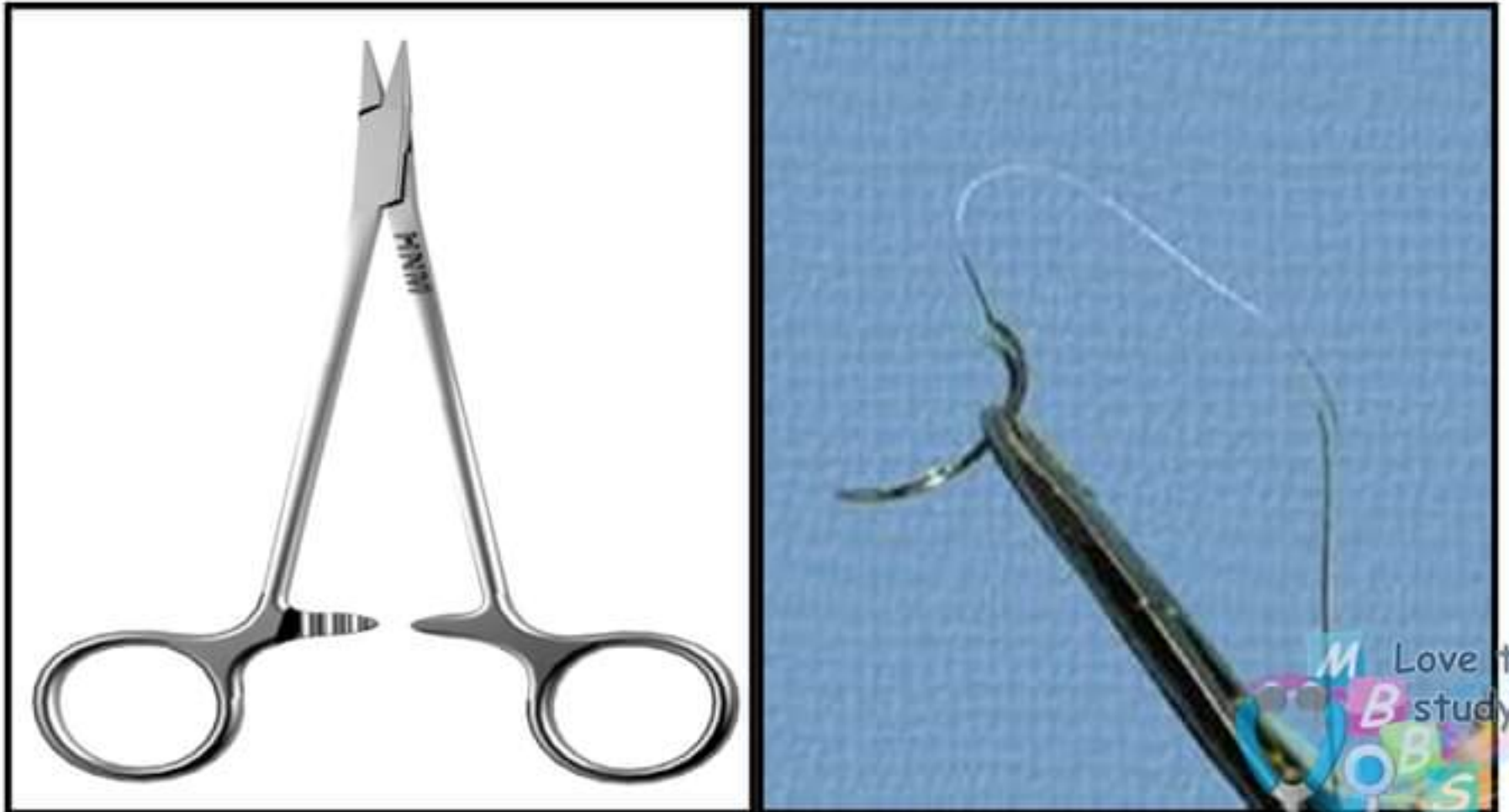
– USED TO HOLD TOWELS
AND DRAPES.

THUMB FORCEP

– USED TO GRASP TOUGH
TISSUE

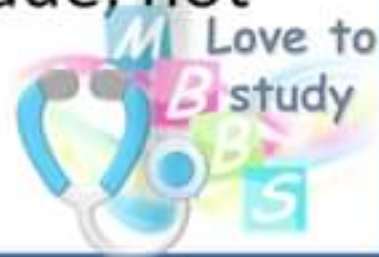


NEEDLE HOLDER – USED TO HOLD NEEDLE WHILE SUTURING.



RETRACTING AND EXPOSING INSTRUMENTS

- Used to hold back or retract organs or tissue to gain exposure to the operative site.
- They are either "self-retaining" (stay open on their own) or "manual" (held by hand).
- When identifying retractors, look at the blade, not the handle.





DEAVER RETRACTOR

– USED TO RETRACT
ABDOMINAL OR CHEST
INCISION.



RICHARDSON – USED TO RETRACT DEEP ABDOMINAL OR CHEST INCISION.





ARMY NAVY

– USED TO RETRACT SHALLOW OR SUPERFICIAL INCISIONS.

SELF-RETAINING

- USED TO RETRACT WOUND EDGES DURING DEEP ABDOMINAL PROCEDURES.





MALLEABLE

– USED TO RETRACT DEEP WOUNDS.

Delivery Room Instruments



Mayo table

- where all instruments are placed



1 - Mayo Scissors

-used to cut the umbilical cord



1 - Kelly clamp (curve)

- used to clamp the cord towards the baby



1 - Kelly clamp (straight)

- used to clamp the cord towards the placenta





1 - Metz scissors

-used to cut suture during episiorraphy



1 - needle holder

-used to hold the needle

1 - tissue forceps

- used to grasp tissue





**# 3 handle with 10
blade (inside knife)**

- Used to cut superficial
tissue.



4 handle with 20 blade (skin knife)

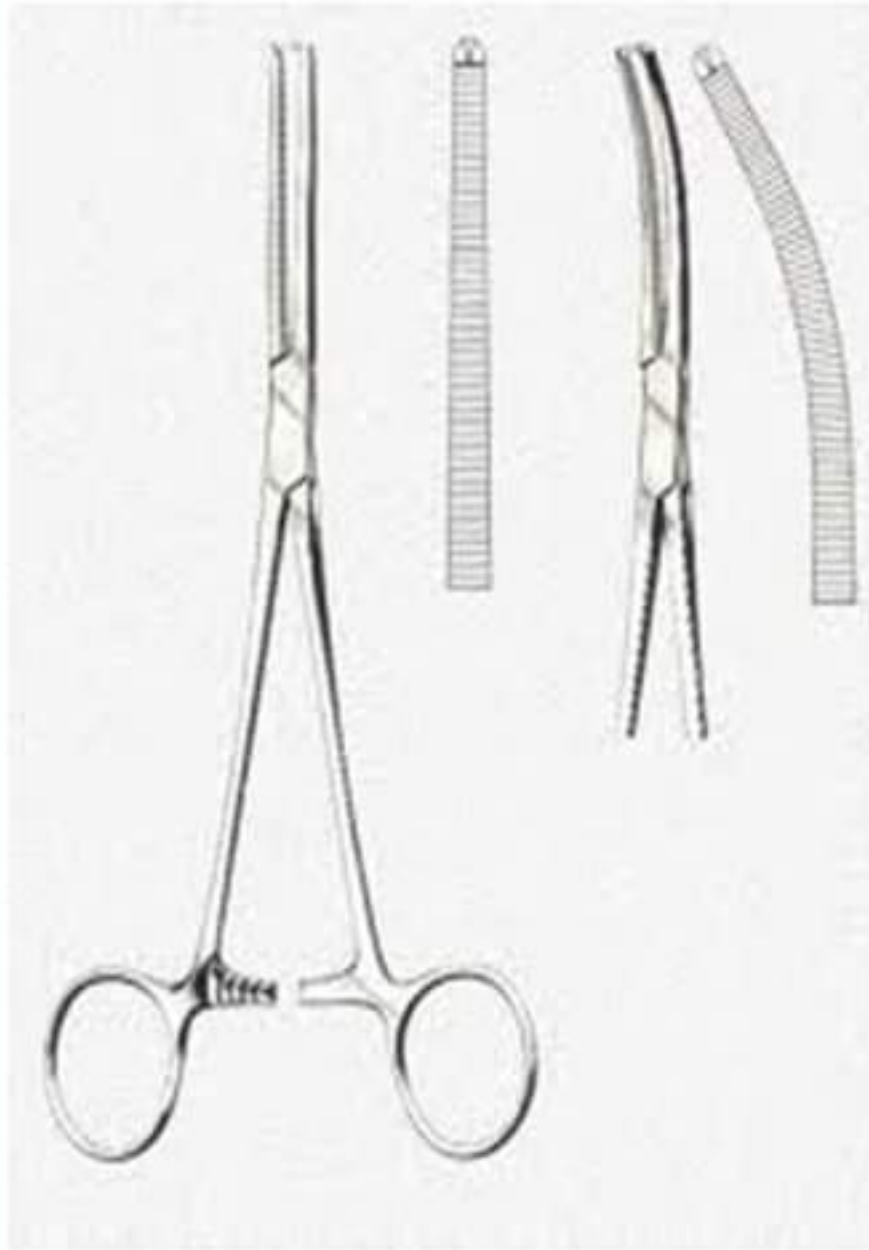
- Used to cut skin.



MAJOR SET







5 - Kocher (Ochsner)

- Used to grasp heavy tissue and can be also used as a clamp. Its jaw can be straight or curve.
- Used to hold a peanut.

5 - Babcock forceps

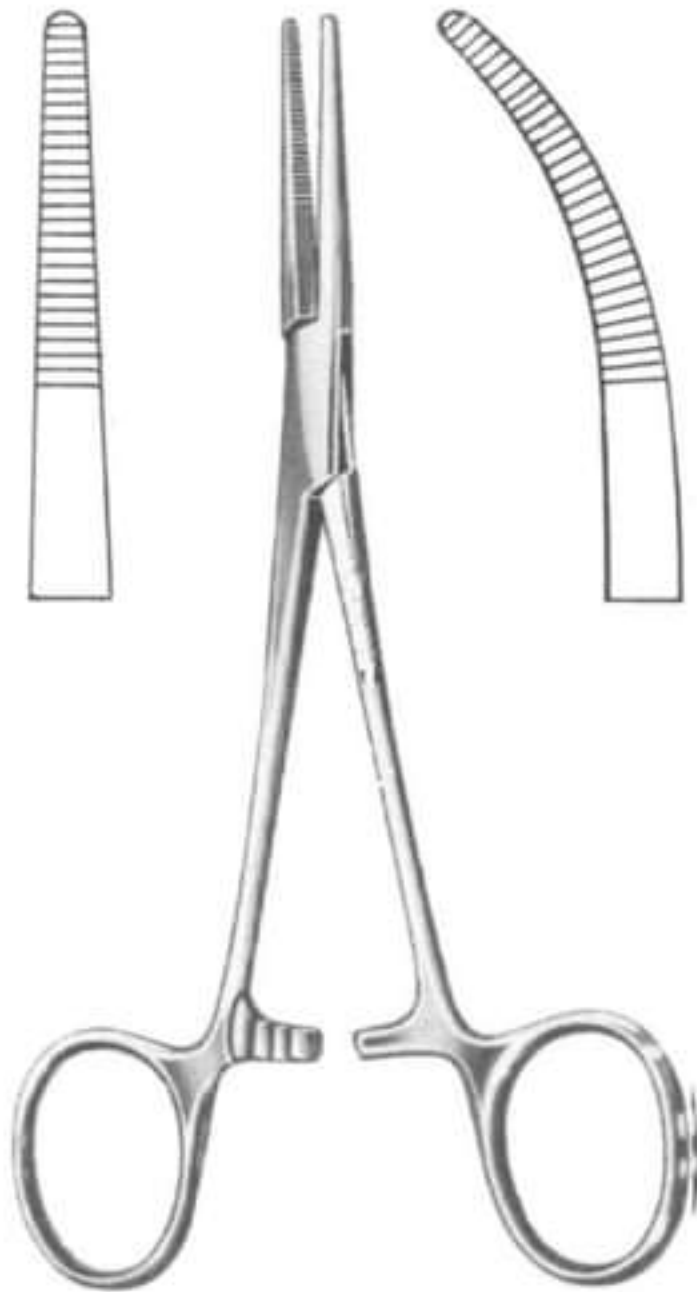
- Used to grasp delicate tissue such as intestine, fallopian tube, ovary, appendix, also available in long sizes.



5 - Allis Forcep

- Used to grasp tissue and is available also in long sizes.





5 - Round Nose (*kelly curve*)

- Used to clamp larger tissues or vessels.

10 - Hemostat

- Used to clamp blood vessels or tag sutures. It may be straight or curved.





5 - Backhaus towel clips

- Used to hold drapes, most especially towels in place

2 - Thumb Forceps

- They look like tweezers.
- They are tapered and have serrations or grooves at the tip.
- They can be short or long, straight or bayonet (angled), and delicate or heavy.



1 - Army Navy Retractor (*also called right angle retractor/US Army retractor*)

- Used to retract superficial or shallow incision.



2 - Blade #4

- Used to cut the skin



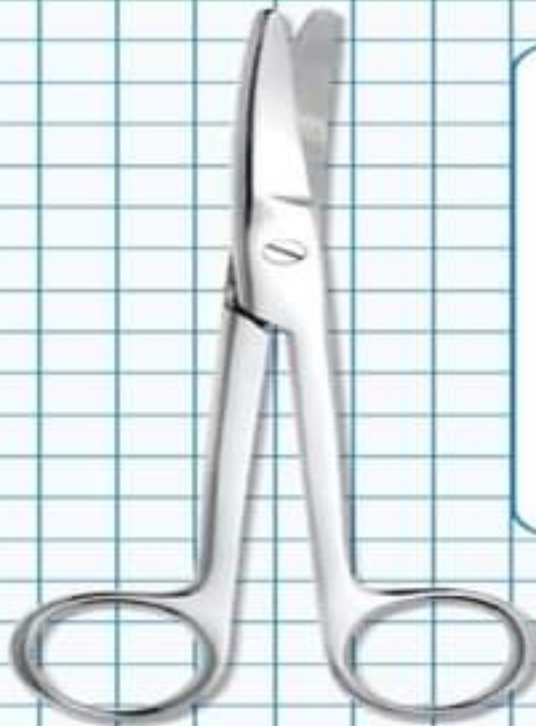
2 - Straight Mayo scissors

- Used to cut suture and supplies. Also known as:
Suture scissors.



1 - Mayo Scissors (curve)

- Used to cut heavy tissues such as fascia, muscle, uterus, breast)



Tip Detail

Love to
study

METZENBAUM – Used to cut delicate tissues.



MINOR SET



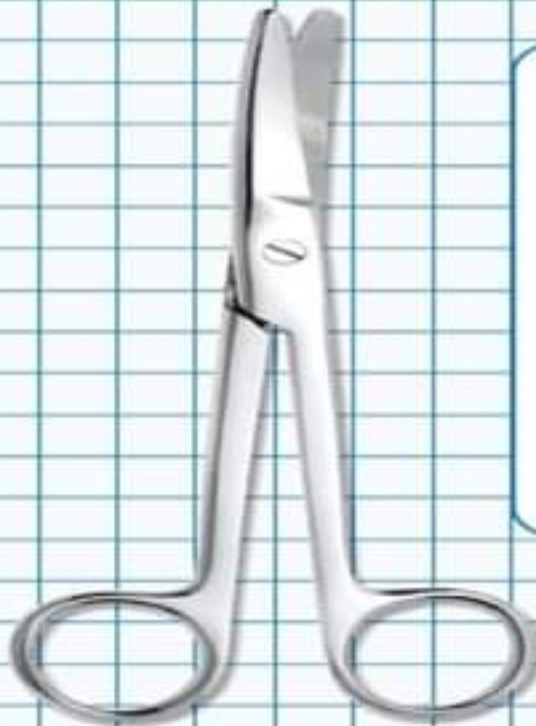
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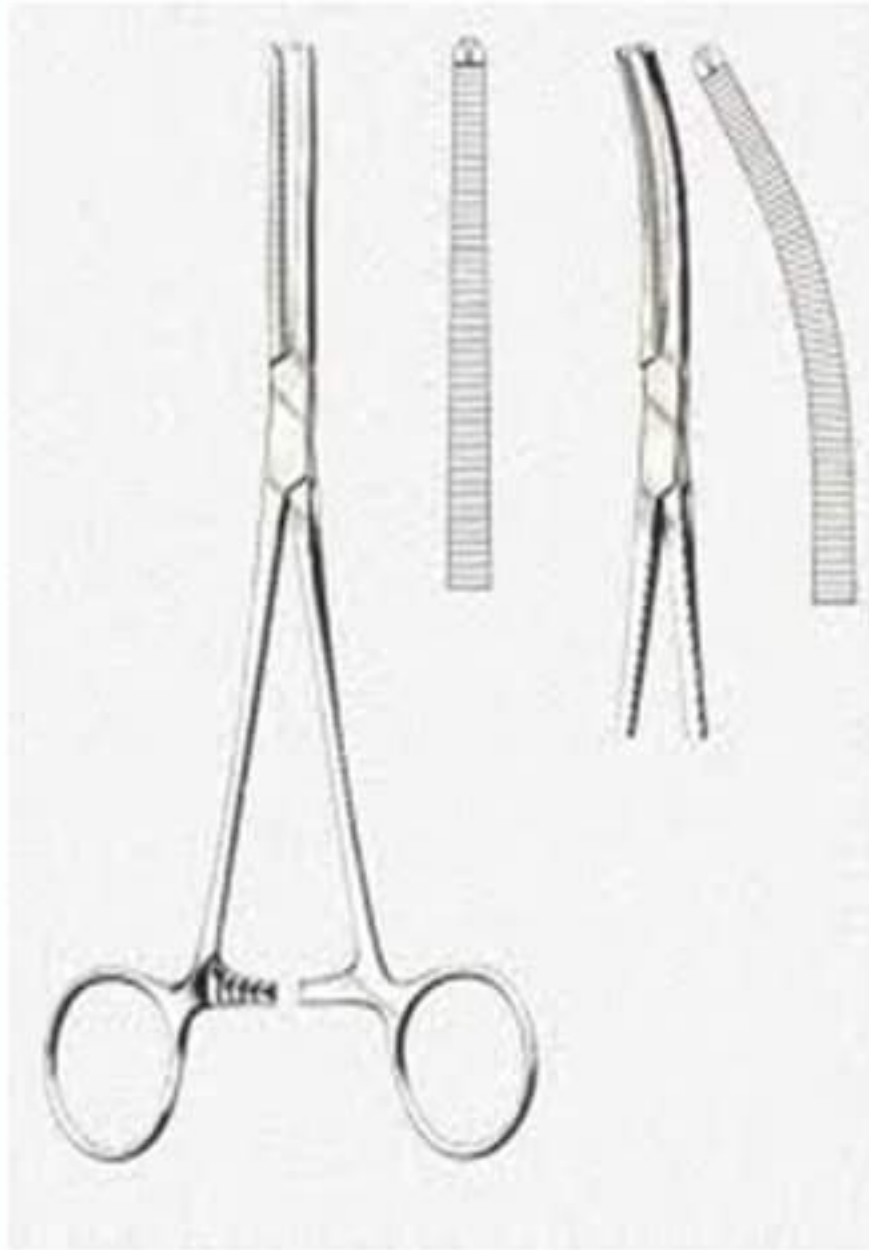


Tip Detail

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Allis Forceps

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ADISON FORCEPS

– USED TO CLAMP DEEP
BLOOD VESSELS



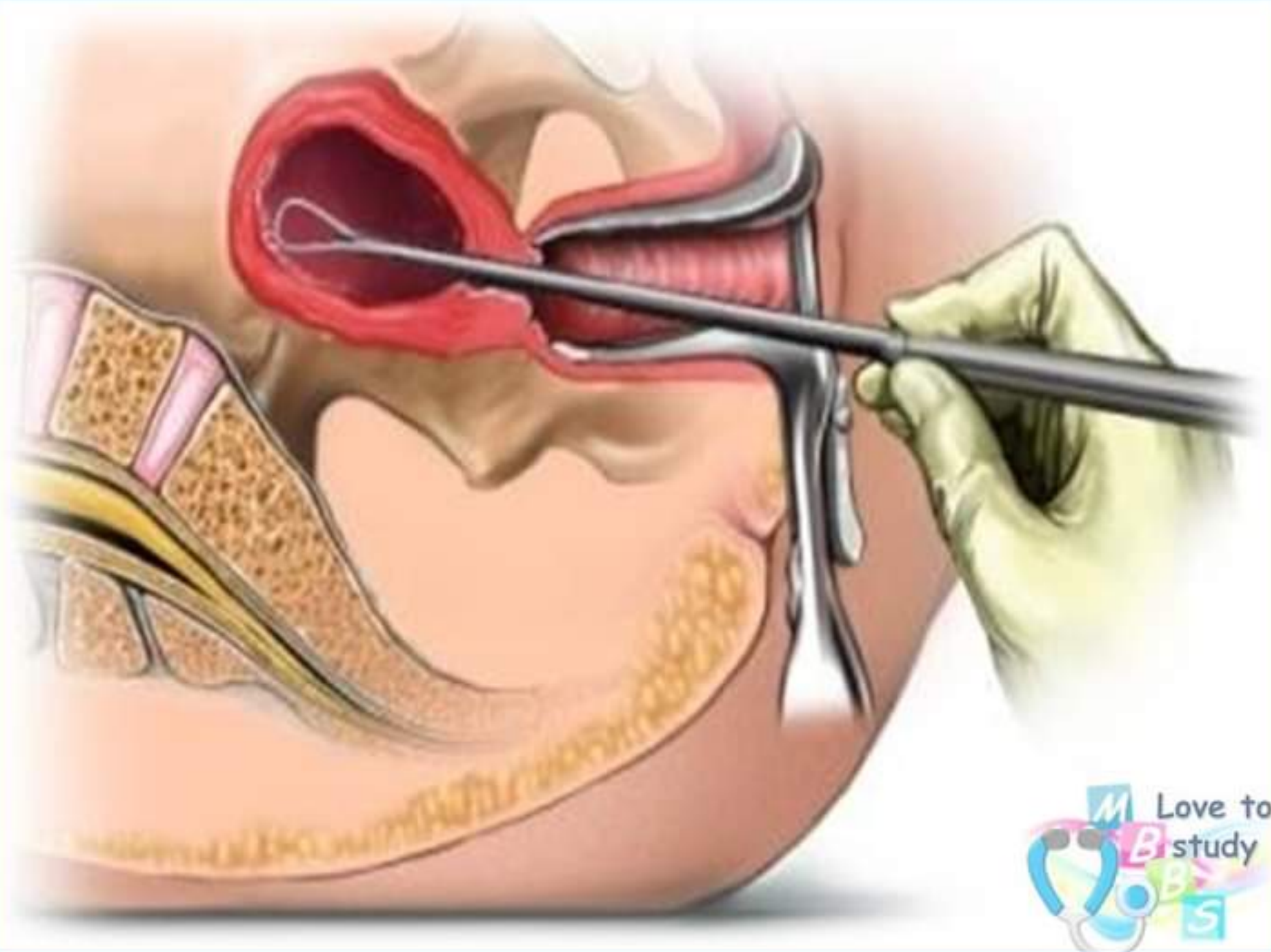
MOSQUITO – USED TO CLAMP SMALL
BLOOD VESSELS. (may be straight or curved)



Dilation (dilatation) and curettage (D&C)

- is a brief surgical procedure referring to the dilation (opening) of the cervix and the surgical removal of the contents of the uterus.





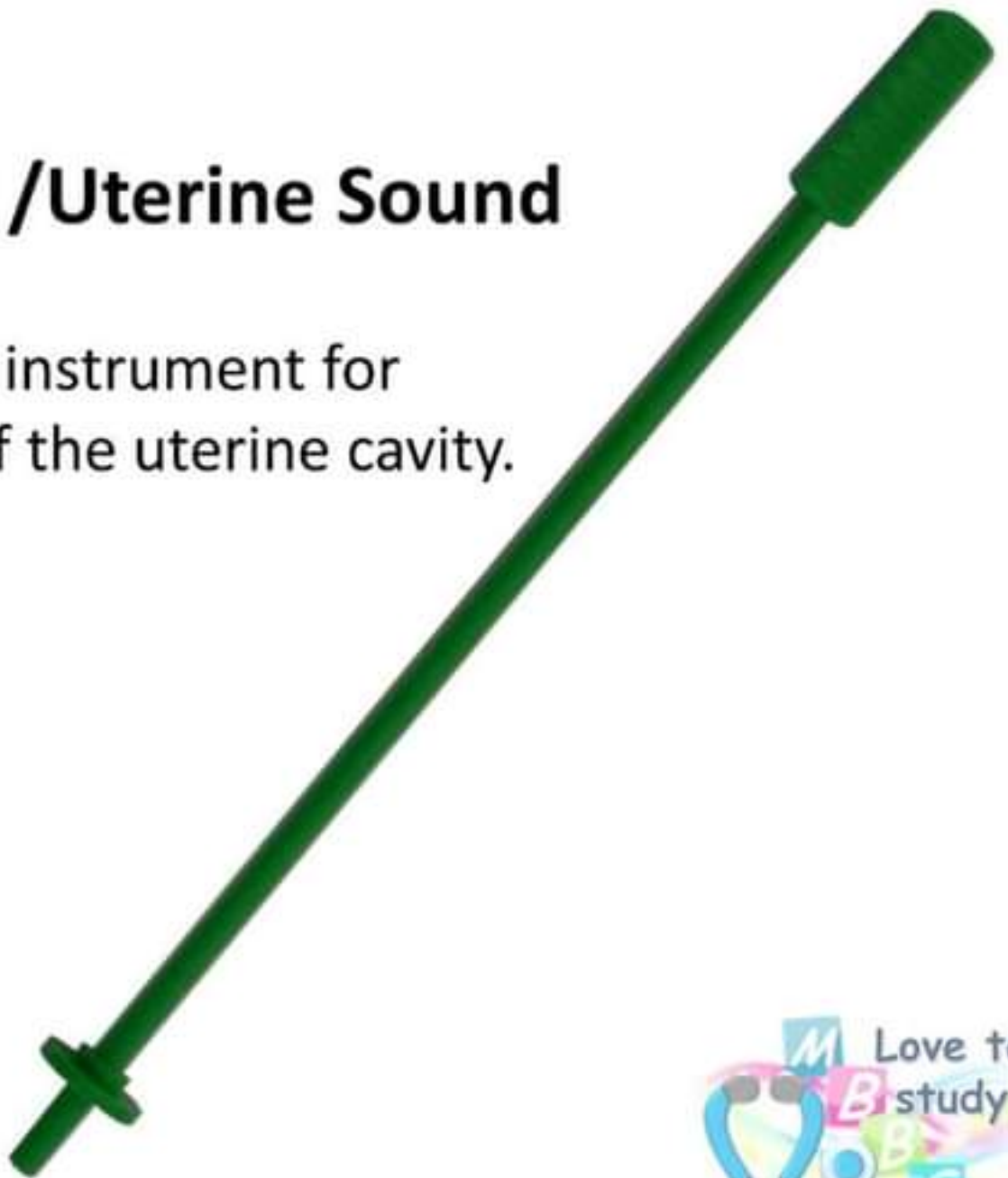
PURPOSE:

- **Remove tissue in the uterus** during or after a miscarriage or abortion or to remove small pieces of placenta after childbirth. This helps prevent infection or heavy bleeding.
- **Diagnose or treat abnormal uterine bleeding.** Diagnosing or treating growths such as fibroids, polyps or endometriosis, hormonal imbalances, or uterine cancer. A sample of uterine tissue is viewed under a microscope to check for abnormal cells.



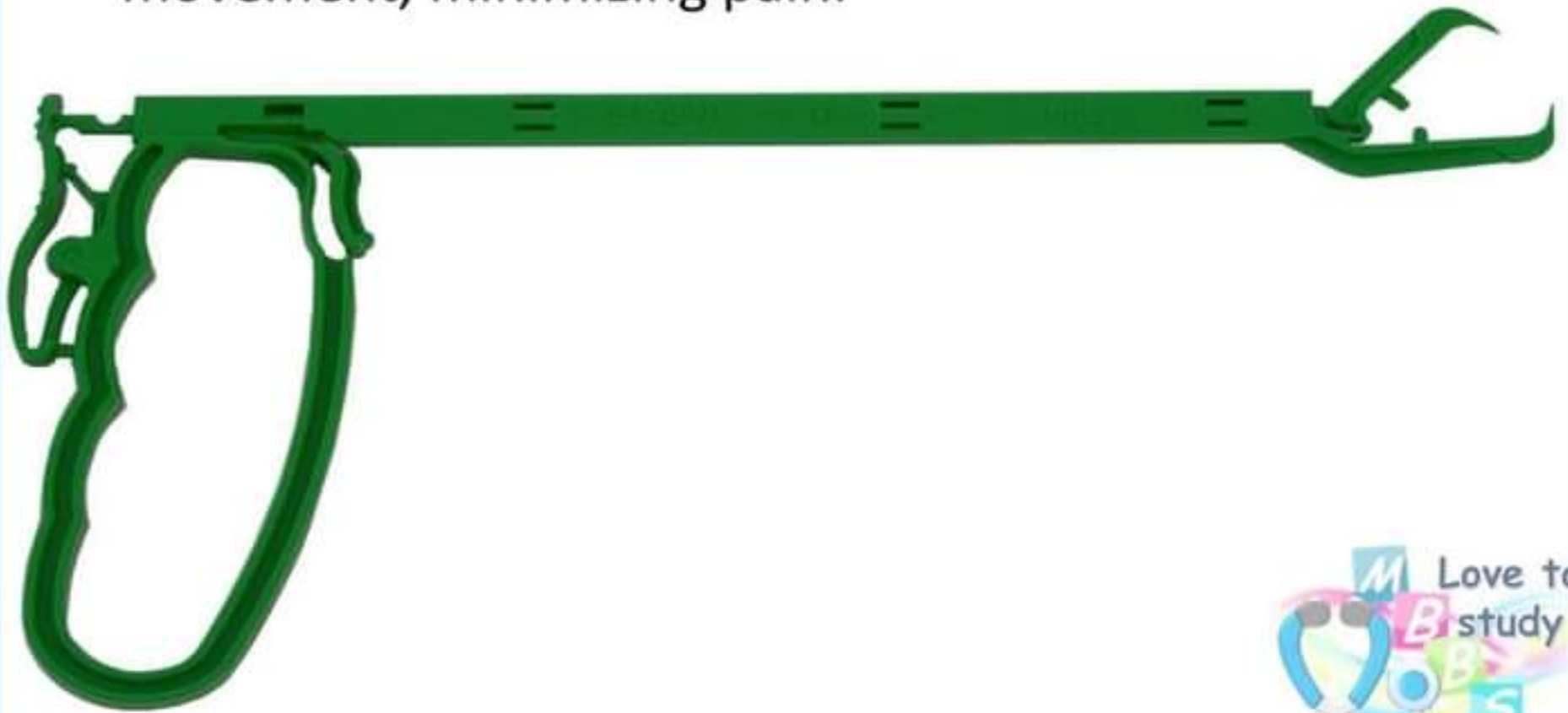
1 – Hysterometer /Uterine Sound

-A graduated sounding instrument for measuring the depth of the uterine cavity.



1 - Tenaculum

- For cervical traction.
- Unique design grasps cervix in a single "snap-close" movement, minimizing pain.





4 - Curettes sharp #2,3,4,5

-A surgical instrument shaped like a scoop or spoon, used to remove tissue or growths from a body cavity.





4 - Curettes sharp #2,3,4,5

-A surgical instrument shaped like a scoop or spoon, used to remove tissue or growths from a body cavity.



Ovum forceps

- are commonly used to remove placental fragments inside the uterus. It is also used as a hemostat or a clamping instrument



1 - tissue forceps

- used to grasp tissue
- can be either dressing forceps or tissue forceps



1 - uterine forceps

-specially designed forceps to help grasp or hold the uterine parts of the body when the uterus is being operated

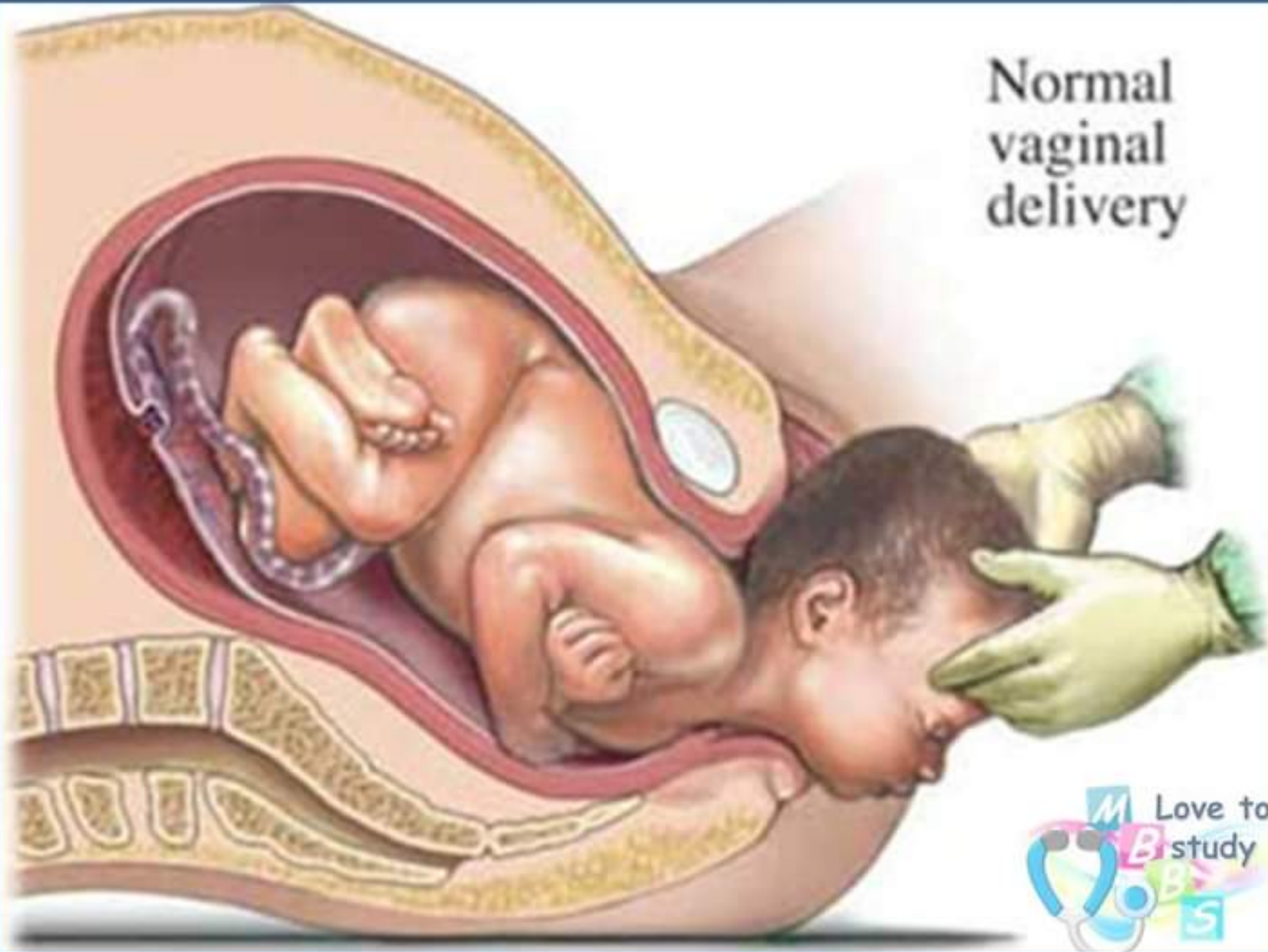


Normal Spontaneous Delivery

- When a pregnant women who has a completely normal no risk pregnancy goes into labor without induction. Then continues into labor without drugs to assist labor. The women must deliver vaginally, she may or may not have an epidural anesthesia - it doesn't matter.



Normal
vaginal
delivery



1 - tissue forceps

- used to grasp and handle tissue





1 - Needle holder

-used to hold and guide suture needles securely for suturing



1 - Kelly clamp (curve)

- used to clamp the cord towards the baby



1 - Kelly clamp (straight)

- used to clamp the cord towards the placenta



Metzenbaum

- The most common scissors use for cutting tissue.



Orthopedic Instruments



www.hizmed.com



Arthroscope

- This device is used to treat injuries deep under the skin and inside joints.
- It's a good alternative to traditional surgery. It is less invasive and requires less recovery time.



ARTHROSCOPY SET

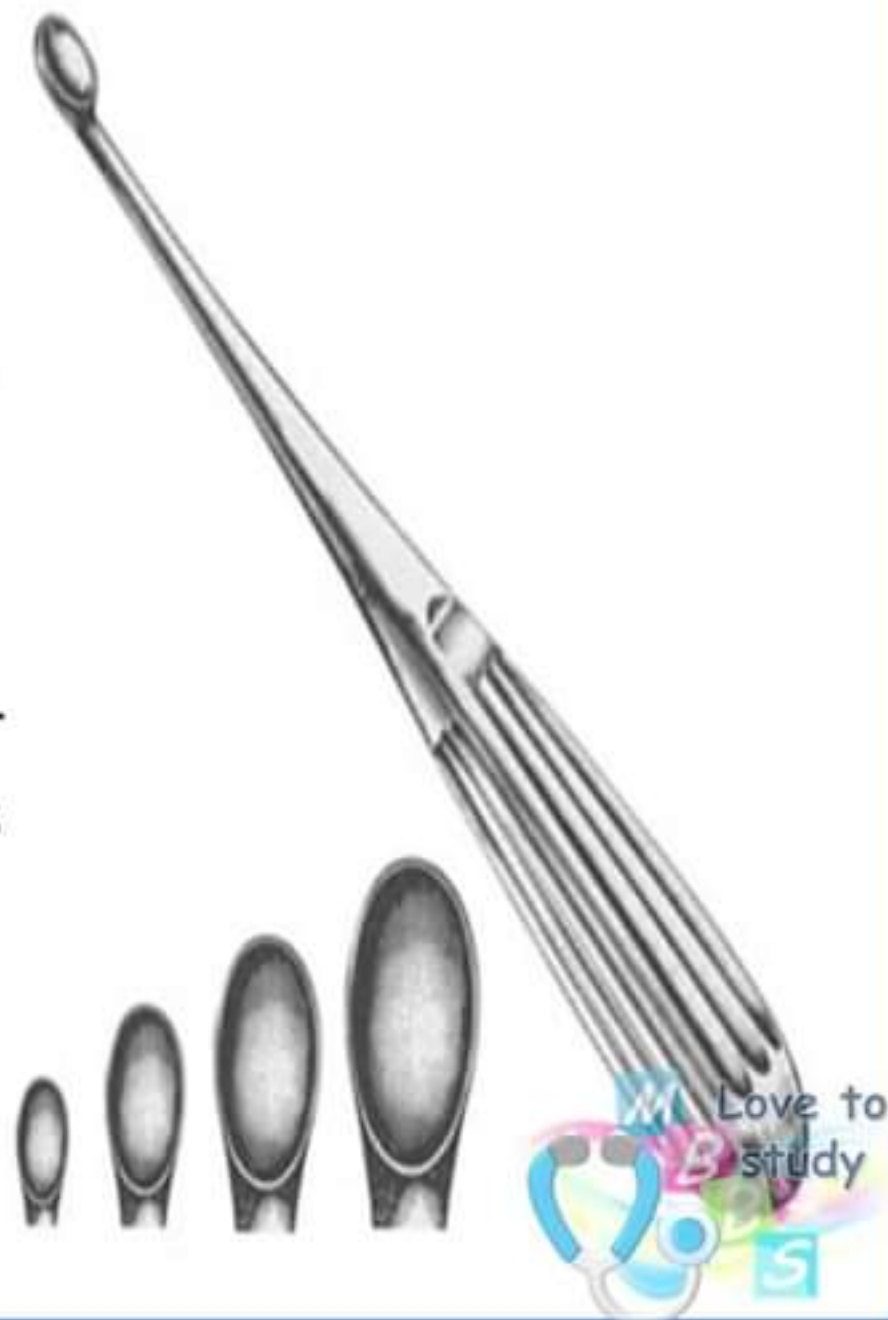


Bone chisel and hammer

- It is used to trim bone

Bone curette

- It looks similar to the bone chisel, but has a spoon-shaped end.
- It is used for scraping and "scooping" bone and other material. The spoon makes it easy to lift the debris up and out.



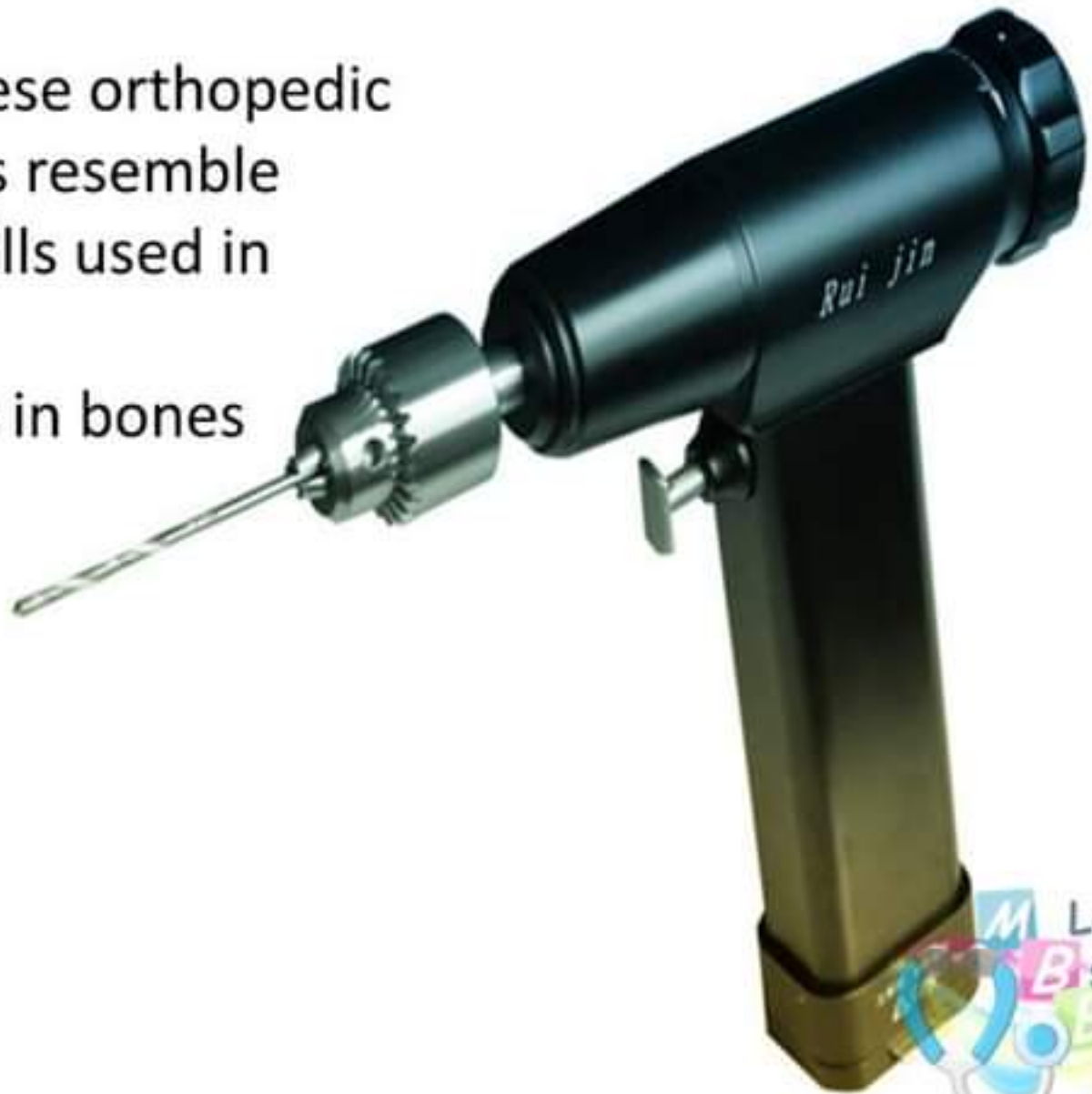


Bone file

- It has a long file on the end. It resembles a nail file, but its rough edge is strong enough to file away bone.

Bone drill

- Many of these orthopedic instruments resemble ordinary drills used in carpentry.
- Bores holes in bones





Orthopedic screwdriver

- These handheld tools look very much like ordinary screwdrivers.
- An orthopedic screwdriver is used for driving screws and pins into bone material.

INSTRUMENTS

SUBMITTED BY:

BSN 3-1 / GRP 2-B

ALAGAR, Marla Gem

DUALAN, Ma. Karenina P.

PADUA, Kareen Reynes C.

ROSARDA, Charisse M.

SARABIA, Rachelline A.

SUBMITTED TO:

Ma'am Viray



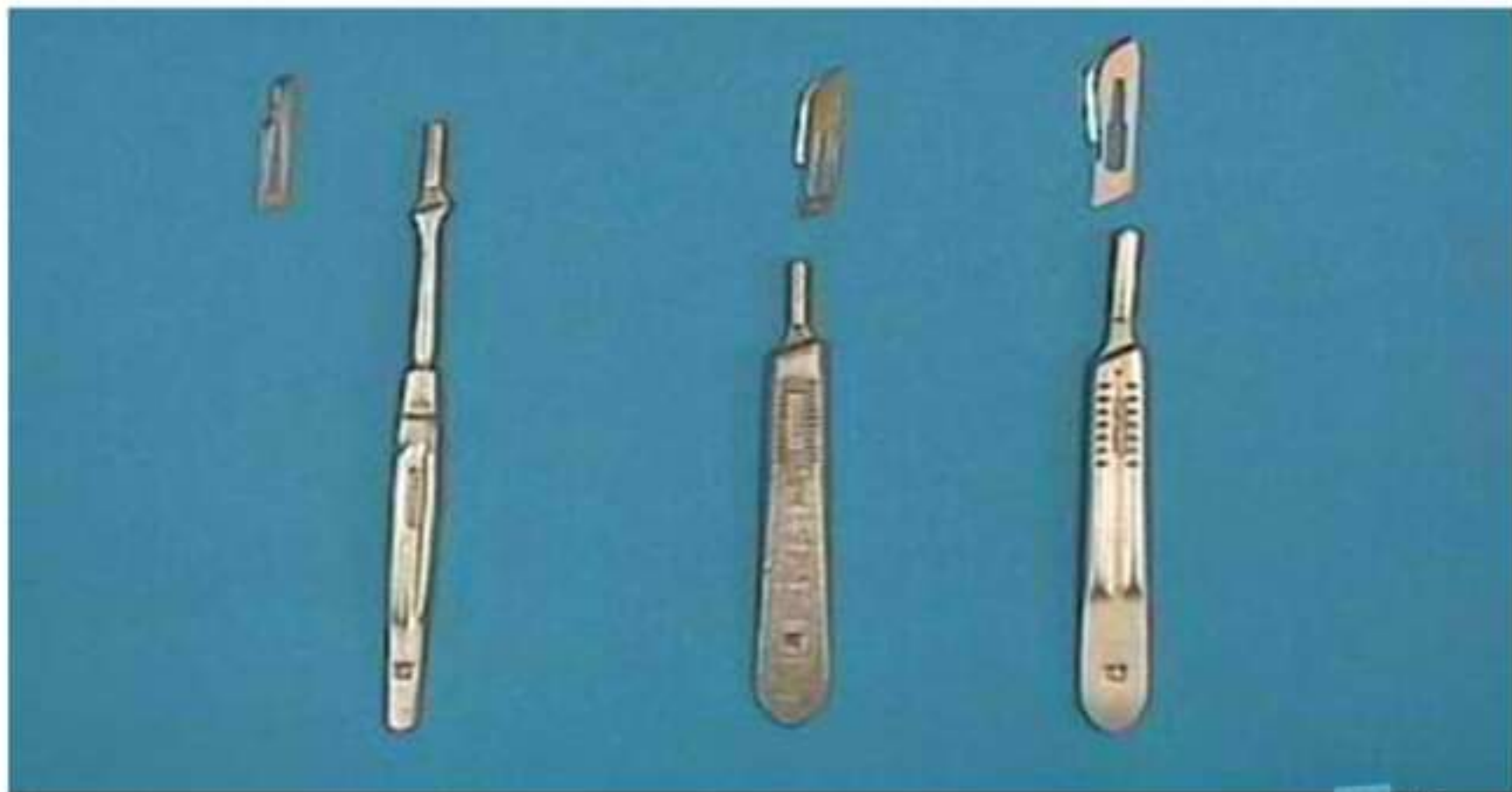


CUTTING AND DISSECTING INSTRUMENTS

- are sharp and are used to cut body tissue or surgical supplies



KNIFE HANDLES



#7, #3, #4
(left to right)



7 handle with 15 blade (deep knife)

- Used to cut deep, delicate tissue.

