

SUTURING

CRYSTAL WAVES v.01
GEOGRAPHY SUCKS

SUTURE

- ❖ A SUTURE IS THE MATERIAL BY WHICH THE TWO SURFACES ARE KEPT IN POSITION. THE SEAM SO FORMED IS A SURGICAL SUTURE.
- ❖ A LIGATURE IS A BAND OR TIE USED AROUND A DUCTULAR STRUCTURE IN ORDER TO CONSTRICT IT.

FEATURES OF SUTURE

- ❖ ADEQUATE TENSILE STRENGTH
- ❖ LEAST TISSUE REACTION
- ❖ NON-ALLERGIC
- ❖ NO CUTTING AND FRAYING
- ❖ PRODUCE A SECURE KNOT
- ❖ EASY TO STERILISE
- ❖ CHEAP
- ❖ COMFORTABLE AND HANDY

CLASSIFICATION OF SUTURE

❖ ABSORBABLE:-

➤ NATURAL :-

- SURGICAL CAT GUT
- COLLAGEN
- FASCIA LATA
- KANGAROO TENDON.

➤ SYNTHETIC:-

- PGA
- VICRYL
- PDS

NON ABSORBABLE:-

METAL:-

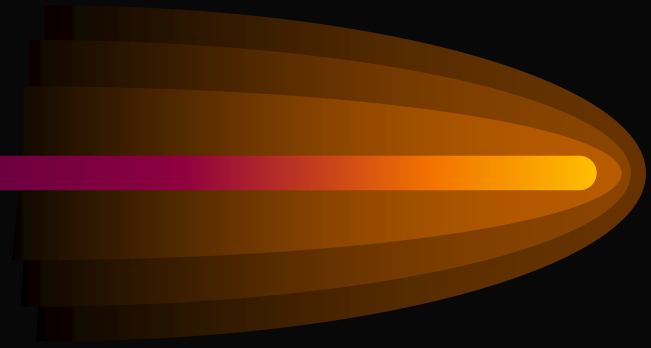
- TANTUM
- STAINLESS STEEL

NATURAL:-

- SILK,COTTON
- LINEN,SILKWORM GUT

SYNTHETIC:-

- PROLENE,POLYESTER
- NYLON



SURGICAL CATGUT

❖ PREPARATION

❖ STERILISATION

❖ DURATION IN THE BODY

PLAIN - 1 WEEK

CHROMIC - 2 WEEKS

EXTRA CHROMIC - 3 WEEKS

❖ MEASUREMENT

SILK



- NON ABSORBABLE, POLYFILAMENT
- USES:-
 - CONVENTIONAL SKIN CLOSURE
 - LIGATE BLOOD VESSELS
 - REPAIR HERNIA
 - SUTURE NERVES & TENDONS
 - SUTURE GRAFTS

NYLON



- SYNTHETIC, NON ABSORBABLE
- USES:-
 - TO SUTURE SKIN
 - TO REPAIR HERNIA
 - IT HAS HIGH TENSILE STRENGTH.

PROLENE

- MONO FILAMENT, SYNTHETIC, NON ABSORBABLE . (BLUE)
- INERT, STRONGER THAN NYLON
- KNOT HOLDING.
- SUITABLE FOR USE.

INSTRUMENTS AND MATERIALS



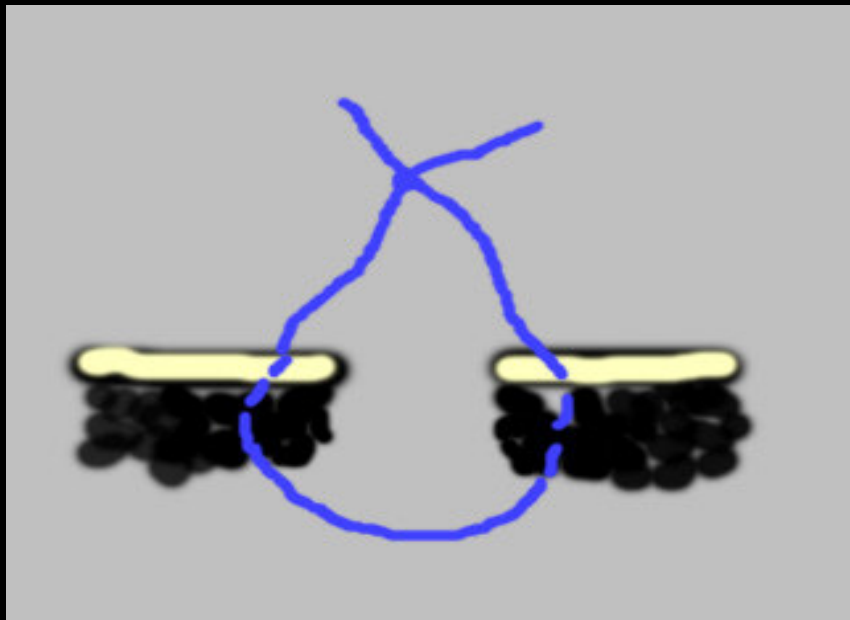
- SCALPEL BLADE
- NEEDLES
 - *CUTTING NEEDLE – SKIN*
 - *FINE NEEDLE – FACIAL WORK*
- SUTURE MATERIAL
 - *BRAIDED MATERIAL – SILK*
 - *MONOFILAMENT - NYLON*
- NEEDLE HOLDER

TYPES OF SUTURING

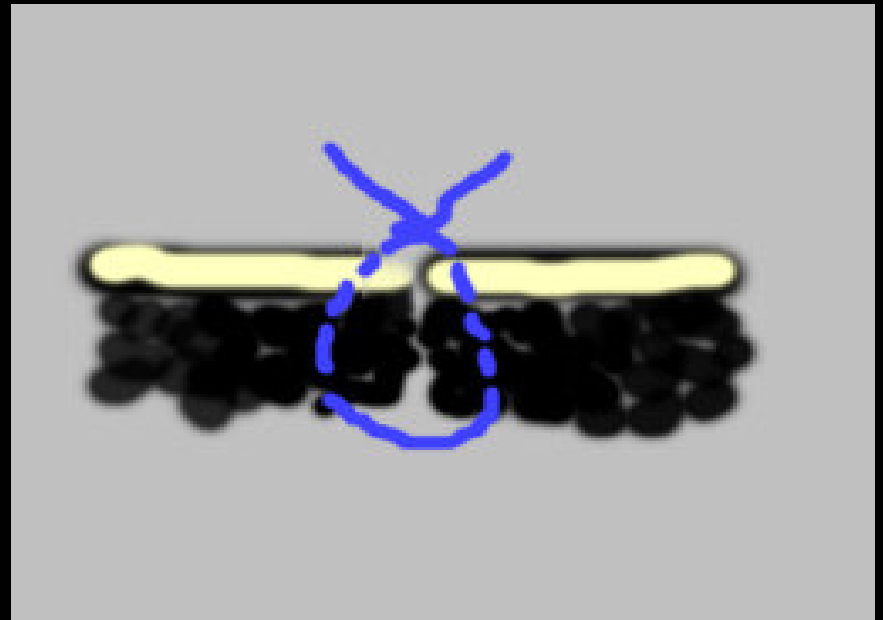
- *SIMPLE - COMMONLY USED*
- *CONTINUOUS - NEAT SCAR*
- *MATTRESS*
→ *VERTICAL*

TECHNIQUE

1



2



CONTINUOUS SUTURES



WOUND MANAGEMENT



- LOCAL TREATMENT

- WOUND TOILET
- EXAMINATION
- WOUND DEBRIDEMENT
- ASSESSMENT REGARDING MANAGEMENT
 - PRIMARY SUTURE
 - SECONDARY SUTURE

Thank You

