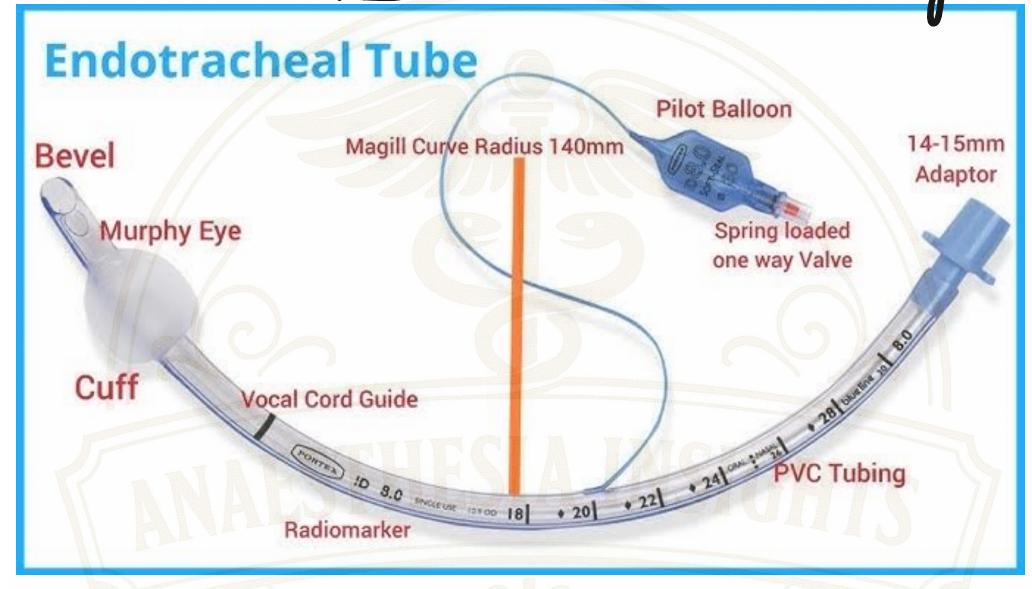
TUBE (ETT) ENDOTRACHEAL (Conventional)

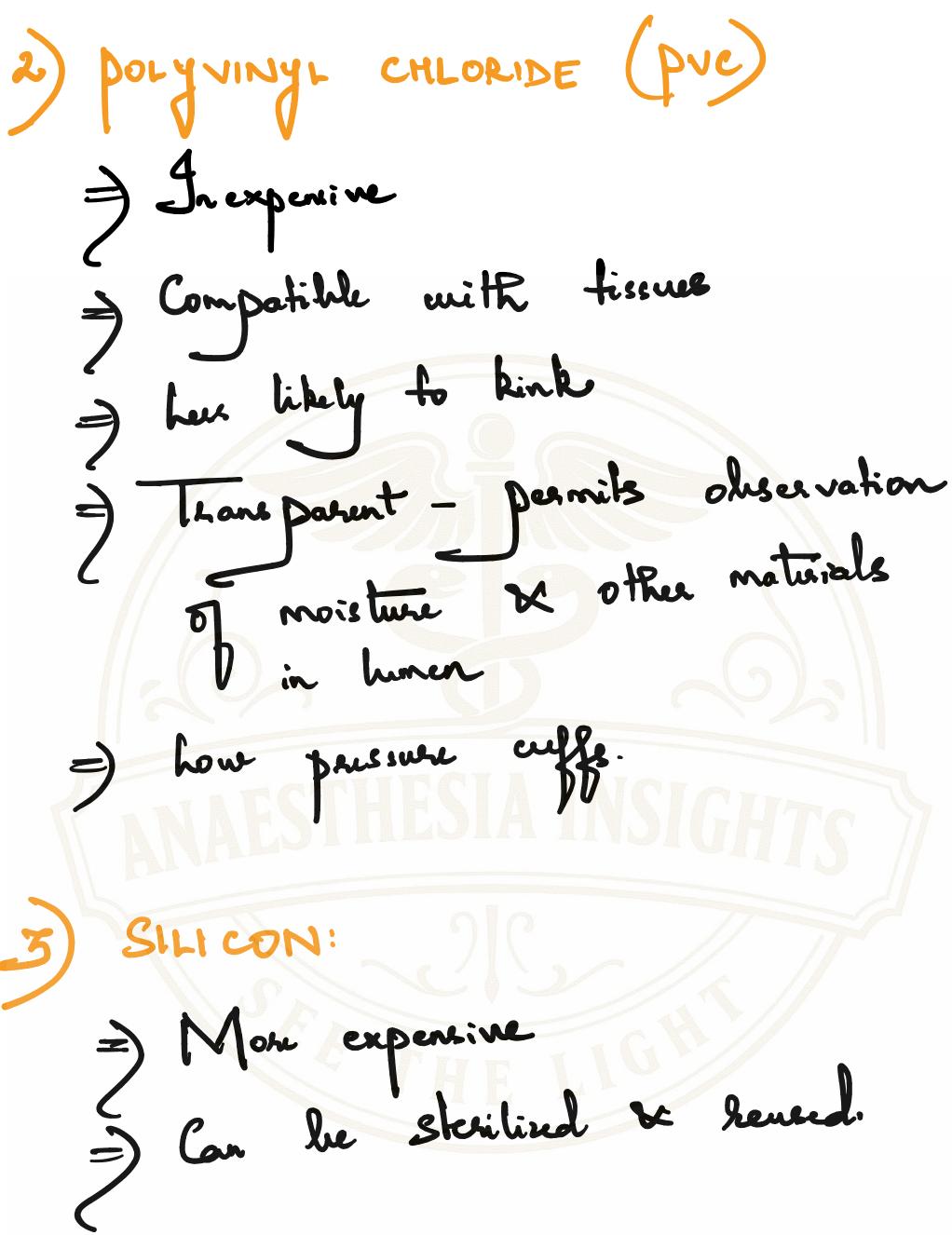
A denice inserted through the larger into the tracker to convey garce & vapours. Letween breathing system & the lungs.



GENERAL PRINCIPLES:

1) Ruislance & work of breathing: Jactore that determine the suistance to Jactore that Diame ter Store

Dead Space:
Fracheal tule de connector constitute mechanical dead 2 pare.
) In Pediatrie pti, long tubes & connectors 1 dead space
MATERIALS:
PED RUBBER: [HGH PRESSURE; LOW VOLUME] =) chand, strikind, reused. cuff int transparent
Buomes hardned to kinking Done ruisfance to kinking
=) can bevone clogged by dried sevelions =) Usually Rome Righ purvue cuff
=> Latex allergy: a possible problem.



4) POLYURE THRANEI More effetive in prementing early post-op preumonia

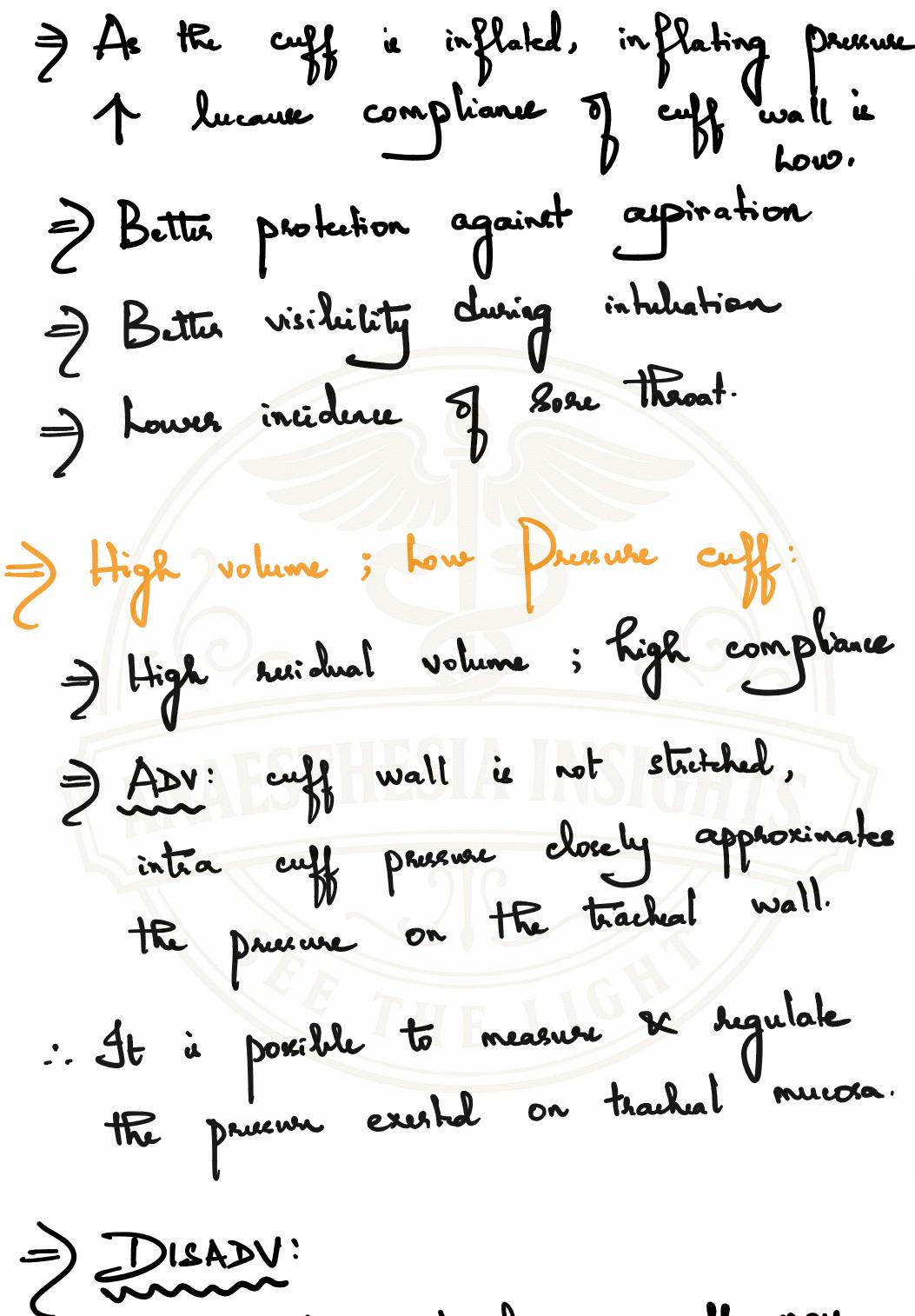
DARTS:
BEVEL: (Angle of Benel: 30 ± 10°) acuti
) Usually four to (D) on viewing tule
Just faux to (1) on viewing tule from its concave aspect
This is because tule is introduced
This is because the is introduced from the (R) be its easier to bring to visualize laryoux with bend foring to
Jeniepherical herel I rasal morbidit during nasotrashal intubation
During nasal continuation, working fews + 0 1 tube 20 that lund fews
up may avoid impinging the tip beside the R VC or on epiglottic

2) Murphy Eye: => alterate patrinay for gas flow if bend becomes occluded.) also Relpe to I Nasal trauma. =) Disadu: Souctions may accumulate on it. => Tracked telles lacking Murphy eye is
Wa Magill's Tube. Je Murphy eye is absent : cuff is closes to the tip to I sick of inadur tent bronchial intulution. Jon Mosotracheal intulation, Mogill type course les tranma.

TRACHEAL LUBE MARKINGS!

To aid paoper placement with suspect to vocal cond.

CUFF SYSTEM: Inflation tulu, Pilot-luelloon Inflation value. Purpose: To provide a seal lutiveur the tube or tracked wall to prevent Dhayngeal contents from passing into the tracker be ensured no gas leake Don't the cuff during positive Drueeure ventilation. - The cuff also leaves to centre the tule in the tracker. Donne; High pressure cuff: · Rol subber tules · Remable Silicon Lube



Difficult to insert because cuff may observe the view of tip of lary nx.

. The cuff may be town during intubation
· The cuff may be torn during intubation if forceps are wed.
· High chance of dislodging.
Freatu incidence of Some throat
May not prevent fluid from kaking into lower airway even @ Righ cuff present
DREFORMED CURVE: Ka Magill's cueure
SKEPORIMED CORD
Radine of curvature: 140 ± 20 mm.
Markings on the Tule: Ord Maral:
. Ord/Naral.
· Tulu sire: mm (ID) or trench
· Tulu size: mm (ID) or French (3 times external diameter in mm)
Nane & manufacturer
Name of manufacturer Longitudinal radio-Opaque.
hongituou name o prograe.

· A transverse black line (should be visible just abone lary nx) Distance from tip of benef marked in centimeters · Lingle me only on disposible tules · Markings describing implant testing or CE (compliance with the essential Requirements of the medical devices

Circtive UBE SIZE: 7-7.5mm Avg adult 9 07:8-8.5mm $= < b yu: \left(\frac{age in yu}{3} + 3.5\right)$ For children (menffed tuber) > b you: (age in j's) + 4.5 Jan > 2 yru: MODIFIED COLE'S formula

(age in yru) + 4 RHINE Johnula (age in yr) + 3 UBE CUFF: Types: . High volume; low presence (M/c) · Low volume; Righ Dressure · Foan cuff (polywethrane foan cuff) · Lanz cuff (Latex pilot halbon imide a plastic skeath T preseure value) Cuff Drume: Between 18mm Hy to 25mm Hy

Machine End: Rar a 15 mm male fitting connector.

OF ETT

1 Direct visualization of tube passing through

(2) Moisture formation in the tube hunen (exhaled air)

2) Polpakion of tube over tracker.

(4) Bli chest movement

(5) B/L air entry on amultation.

(6) Feel of hurroir leg with patient is Spontoneous efforts

(7) Dute oximeter.

(8) Caprometry (Most reliable method)

(9) Esophageal detector device

(10) Calonimetrie ETCO2

Chest X: Ray

Scott: Somatic confirmation of tracked Intubation

