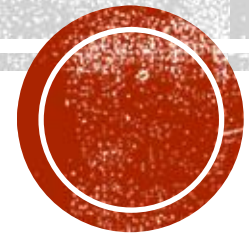


BHD — BLS

(BANTUAN HIDUP DASAR — BASIC LIFE SUPPORT)



dr. Lira Panduwaty, SpAn

PENDAHULUAN

- **RESUSITASI**

USAHA KEDOKTERAN GAWAT DARURAT UNTUK MENCEGAH
KEMATIAN KORBAN YANG MASIH MEMPUNYAI HARAPAN HIDUP

- **RESUSITASI JANTUNG PARU (RJP)**

USAHA KEDOKTERAN GAWAT DARURAT
UNTUK MEMULIHKAN FUNGSI RESPIRASI DAN ATAU SIRKULASI YANG MENGALAMI
KEGAGALAN MENDADAK PADA PASIEN/KORBAN YANG MASIH MEMPUNYAI
HARAPAN HIDUP



- ◆ **OKSIGEN MERUPAKAN “ZAT” KEHIDUPAN**
- ◆ **SISTEM RESPIRASI = PEMASOK OKSIGEN**
- ◆ **SISTEM SIRKULASI = PENGEDAR OKSIGEN**
- ◆ **PADA KEGAGALAN MENDADAK, ORGAN MASIH BAIK**
- ◆ **ADANYA “MASA” KRITIS KEMATIAN SEL ORGAN**





BHD

Airway

Breathing

Circulation

Secara bersamaan



Look, Listen, Feel



Airway

Tujuan → membebaskan jalan nafas

Pemeriksaan → cross finger, sweeping finger

Tanpa alat

- Head tilt
- Chin lift
- Jaw thrust

Dengan alat

- Oropharyngeal airway/Guedel
- Nasopharyngeal airway
- Laryngeal Mask Airway (LMA)
- Endotracheal tube (ETT)



GRADASI SUMBATAN JALAN NAFAS

=====

parameter	<i>1. PARSIAL</i>	<i>2. TOTAL</i>
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=====

* HEMBUSAN	: MENURUN	TIDAK ADA
* SUARA NAFAS	: PATOLOGIS	TIDAK ADA
* KERJA NAFAS	: ↑	↑↑↑

=====

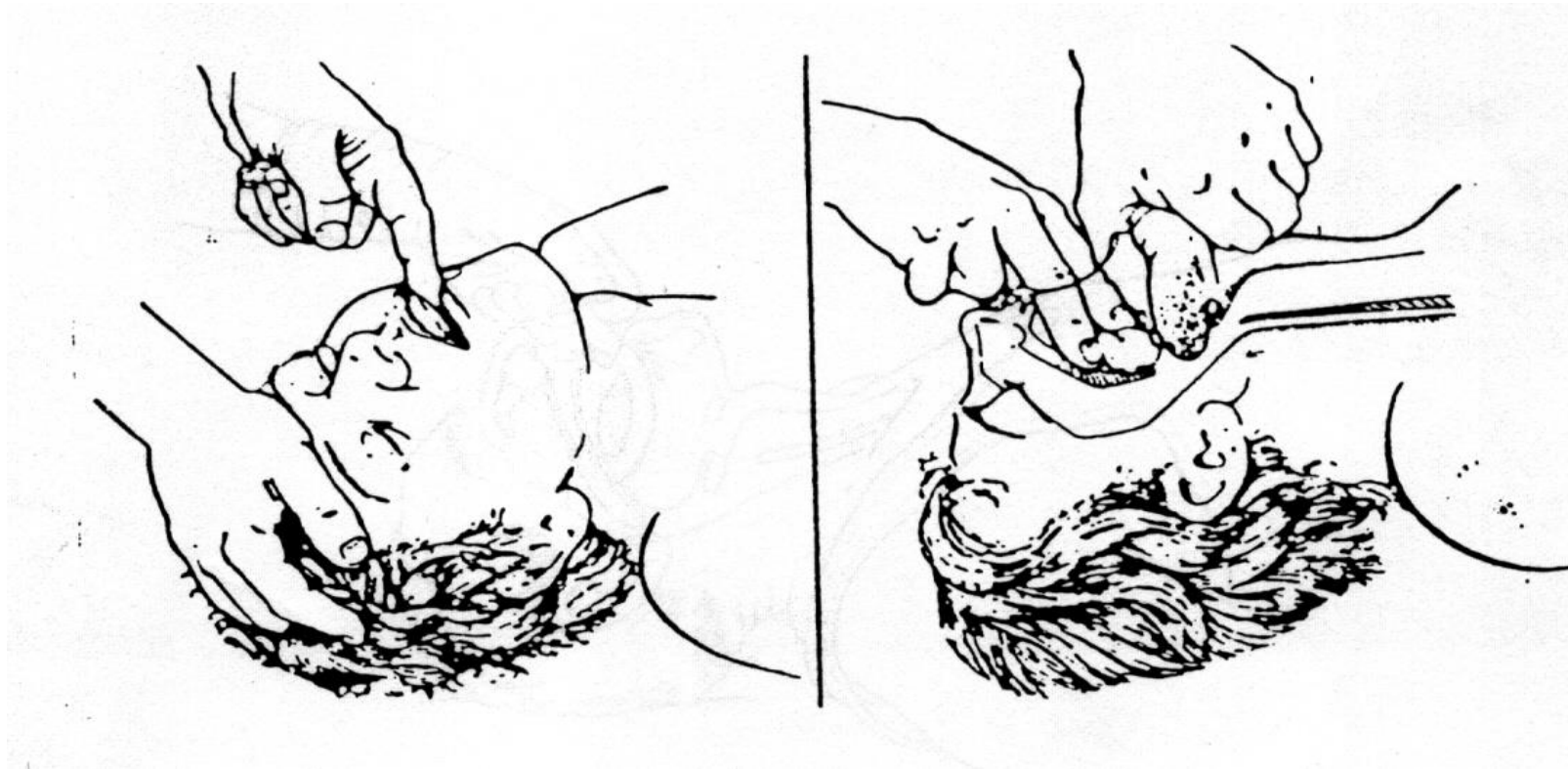


SUARA NAFAS PATOLOGIS

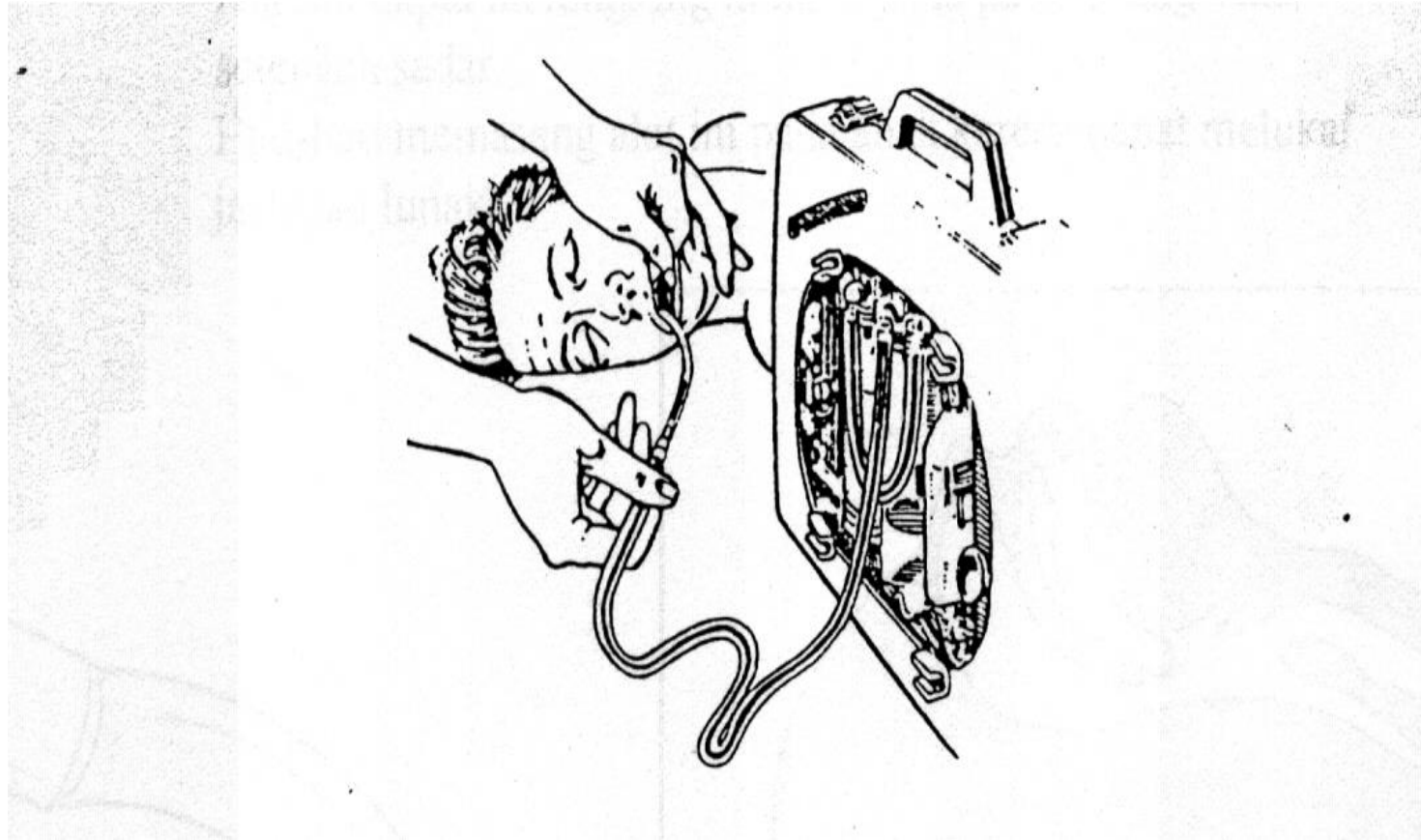
- 1. SNORING = SUMBATAN LIDAH PADA HIPOFARING**
- 2. GARGLING = SUMBATAN BENDA CAIR PADA RONGGA MULUT**
- 3. CROWING = SPASME LARING**
- 4. WHEEZING = SPASME BRONKUS**
- 5. RHONCHI = CAIRAN PADA BRONKUS/ALVEOLI**



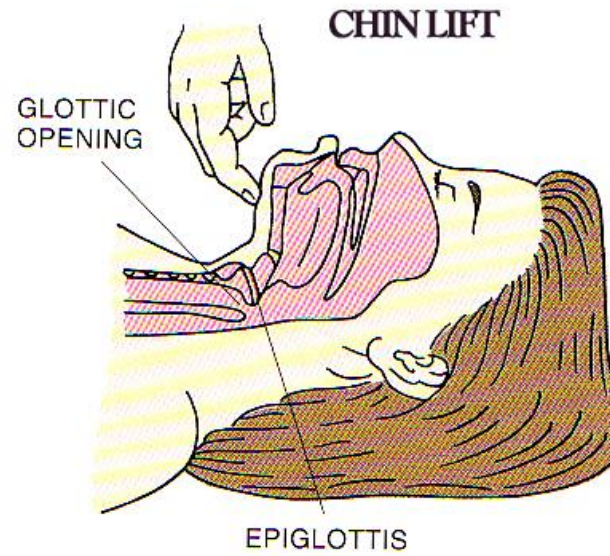
MENGOREK KELUAR BENDA PADAT PADA RONGGA MULUT



MENGHISAP BENDA CAIR PADA RONGGA MULUT



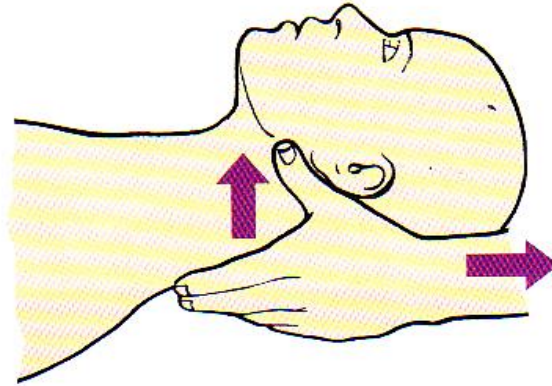
TRIPLE AIRWAY MANEUVER



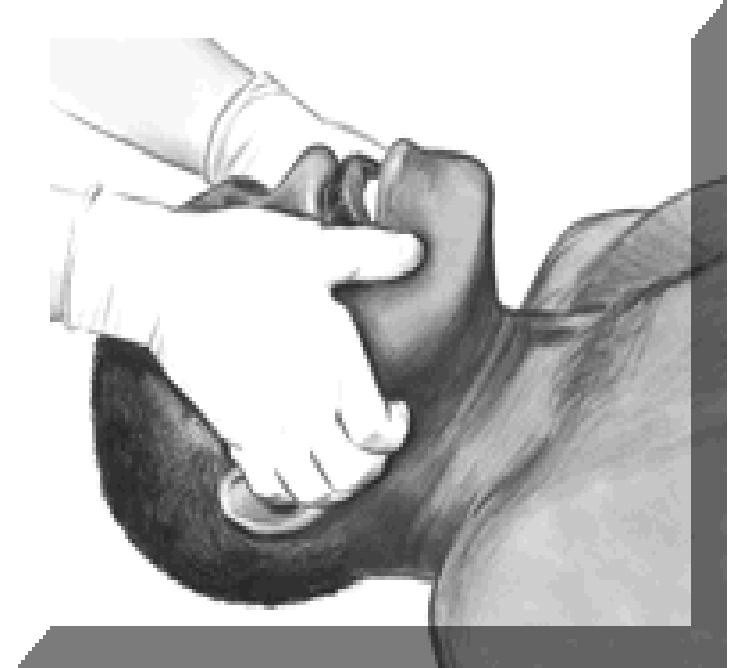
SINCE NECK MAY BE INJURED,
DO NOT USE NORMAL METHOD
OF OPENING AIRWAY...



USE MODIFIED JAW THRUST



JAW THRUST



Back blows



**Lima kali hentakan
pada punggung,
diantara dua scapula**



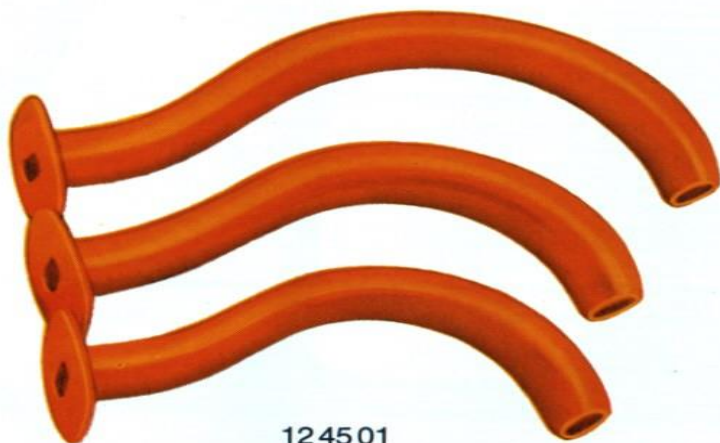


Abdominal trust





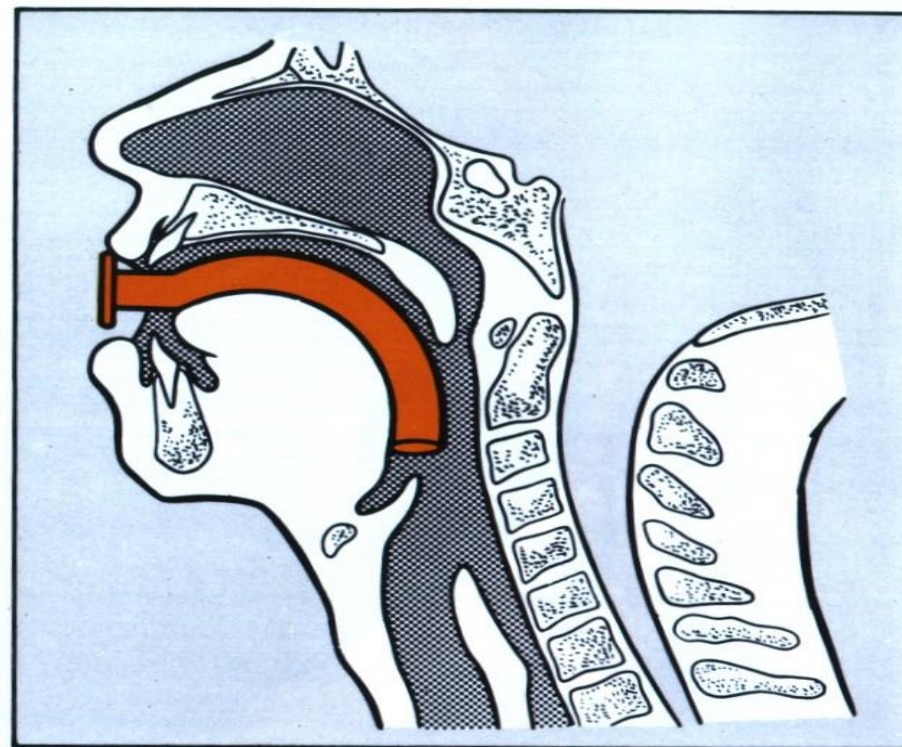
124500



124501



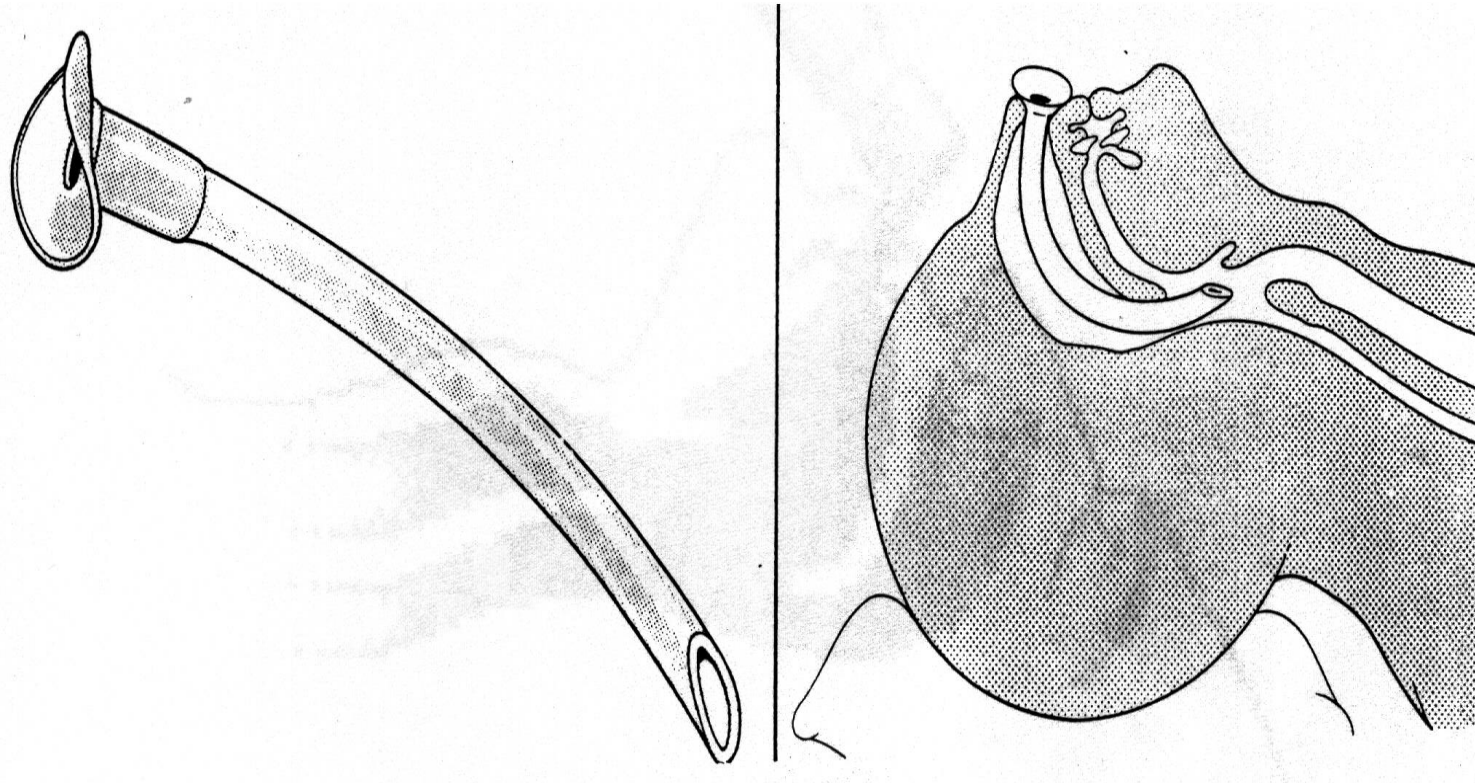
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124800

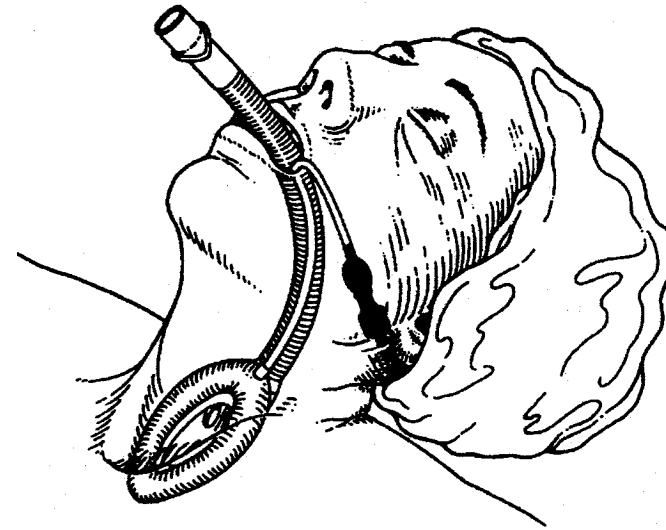
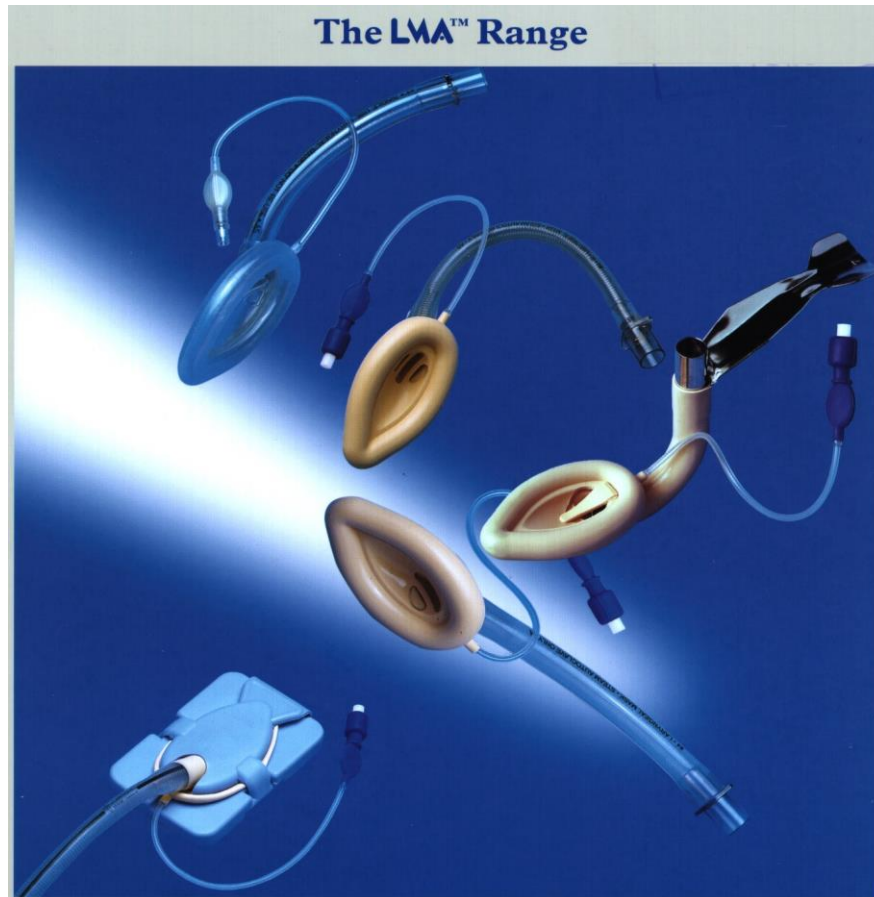


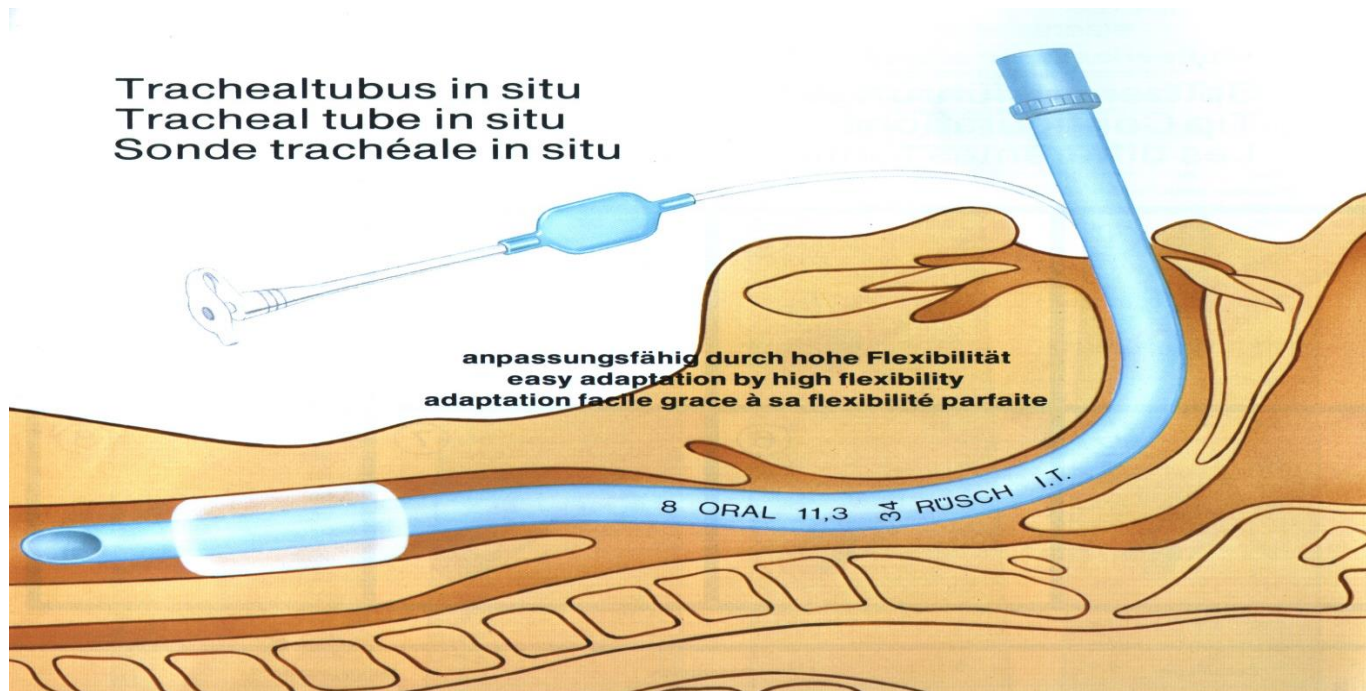
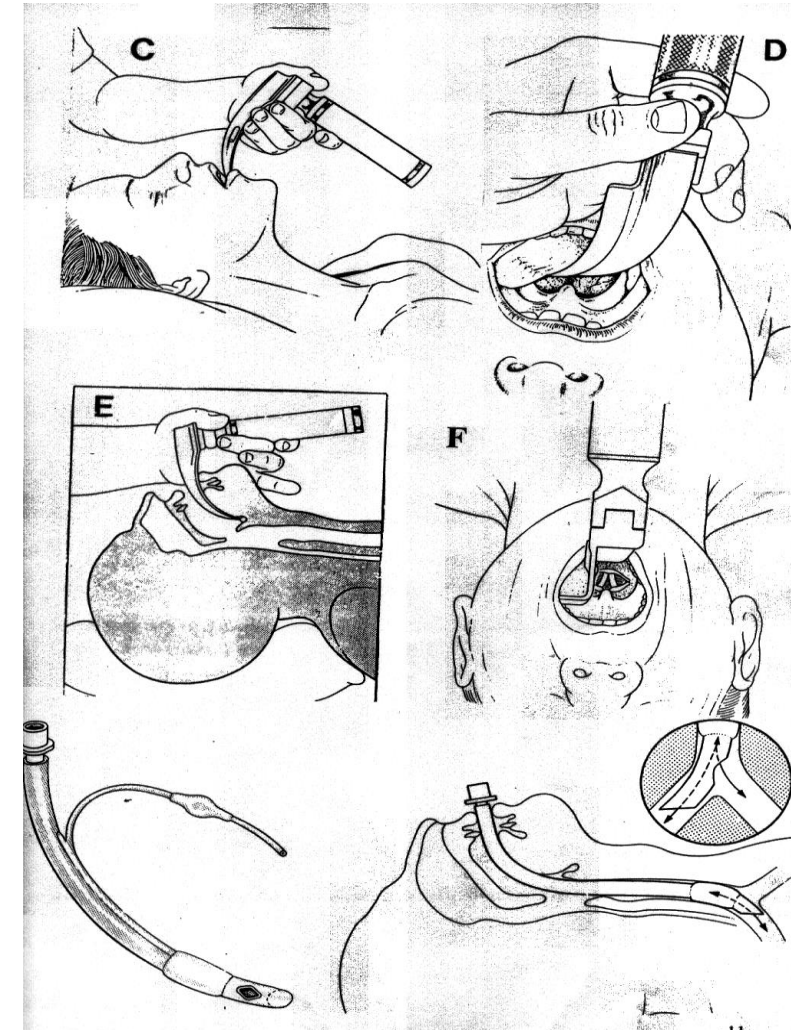
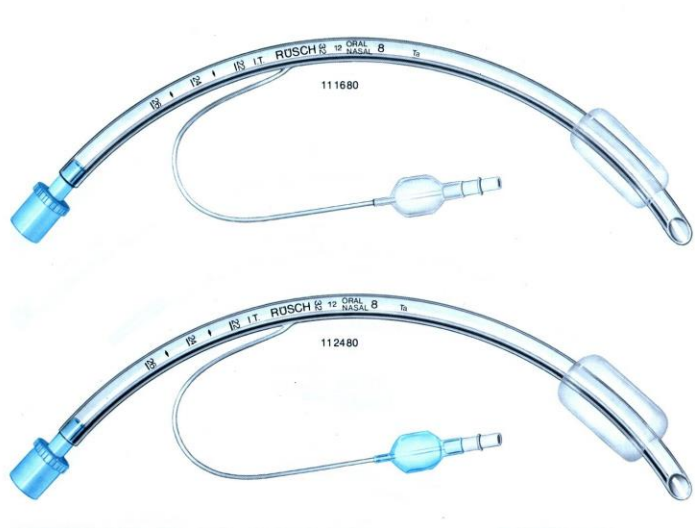
MEMASANG PIPA NASOFARING

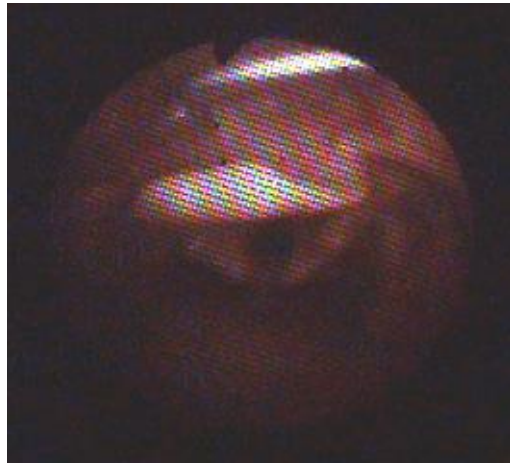
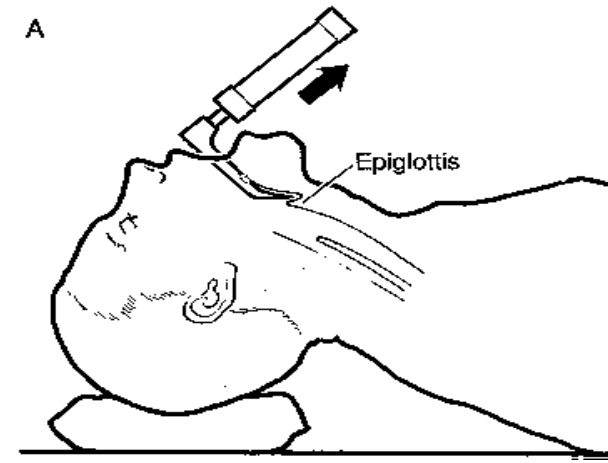


LMA

(LARYNGEAL MASK AIRWAY)







Breathing

Memberikan ventilasi buatan → tujuan : memberikan udara pernafasan pada pasien/korban yang memerlukan bantuan pernafasan

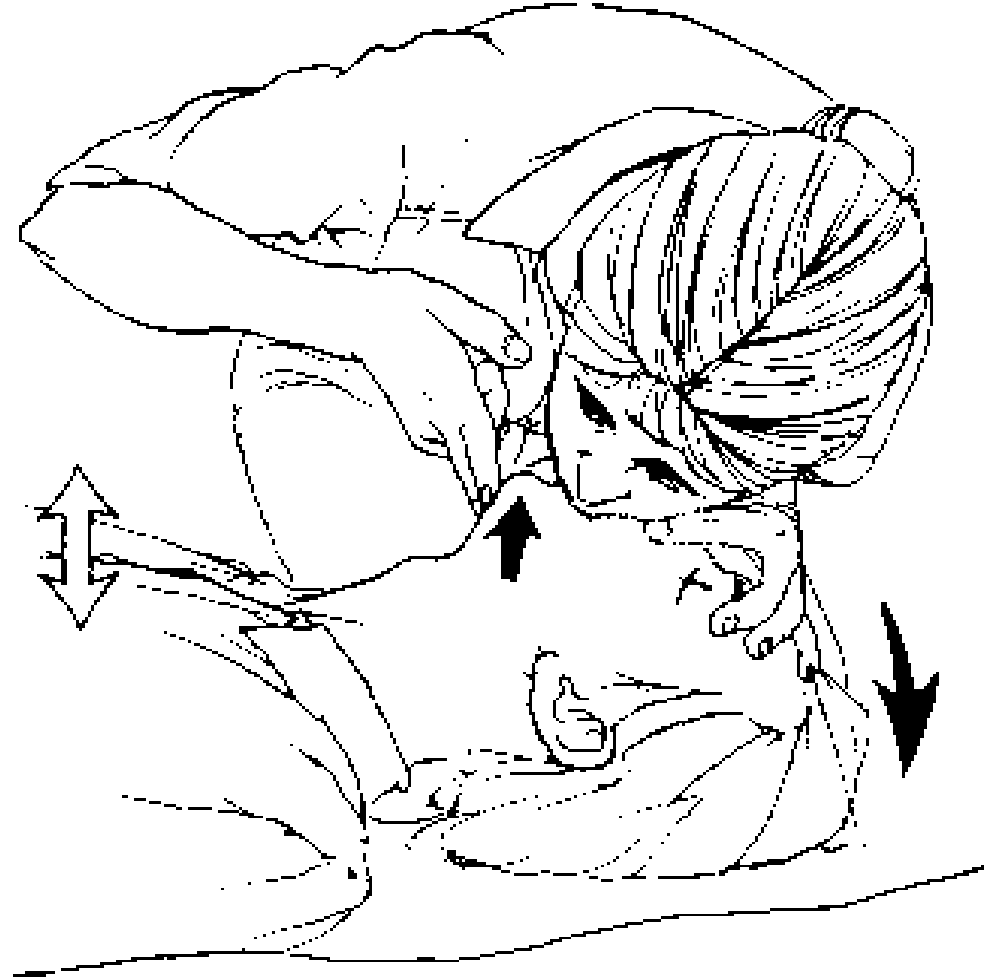
Tanpa alat

- Mouth to mouth

Dengan alat

- Ambu bag/bag valve
- LMA/ETT

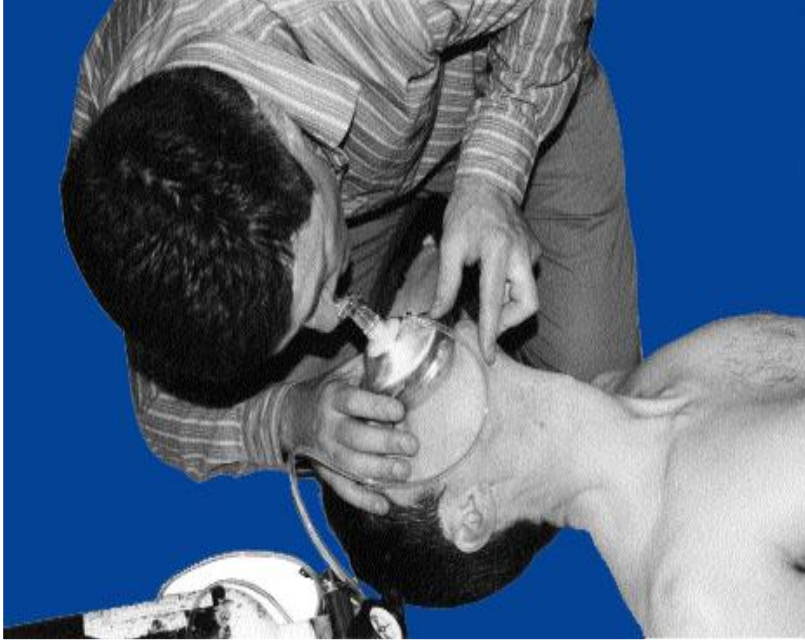




When you give rescue breathing, note the chest movements with the breaths.







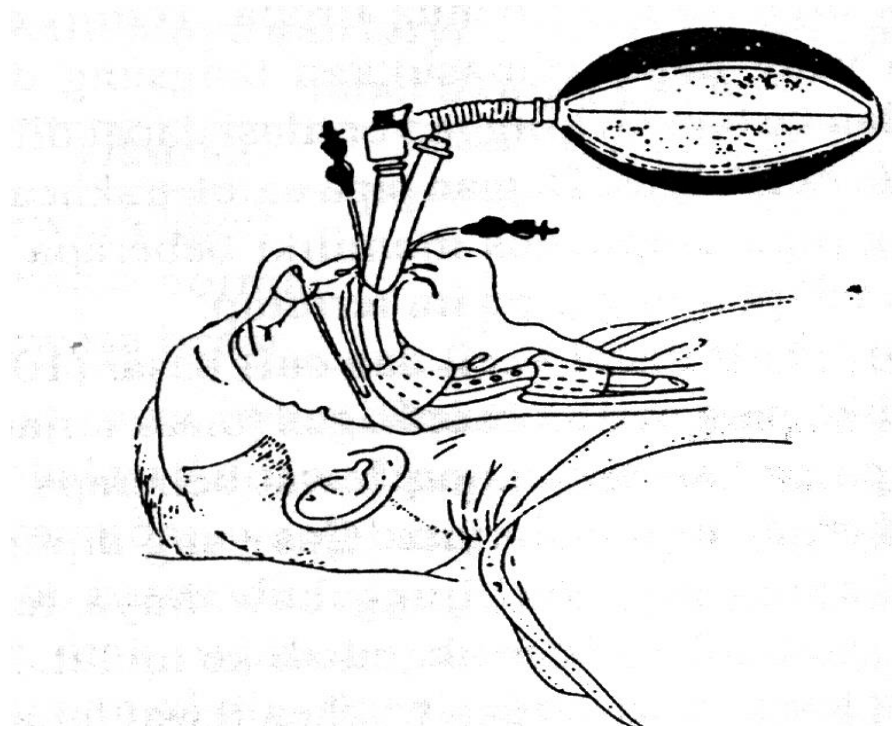
One person operation



Two person operation



DARI BALON KE PIPA ENDOTRAKEA



BANTUAN NAFAS DENGAN ALAT BANTU NAFAS MEKANIK/VENTILATOR



FACE MASK O2 8-10 lpm
FiO2 : 40-60%



PERALATAN PADA TERAPI OKSIGEN



BVM Dengan reservoir bag
Flow O2 : 8-10 lpm
FiO2 : 80%- 100%



Masker sederhana
Dengan reservoir bag
Flow O2 : 6-10 lpm
FiO2 : 60%- 100%



BAG VALVE MASK (BVM)
Dgn oksigen 8-10 lpm : 60%

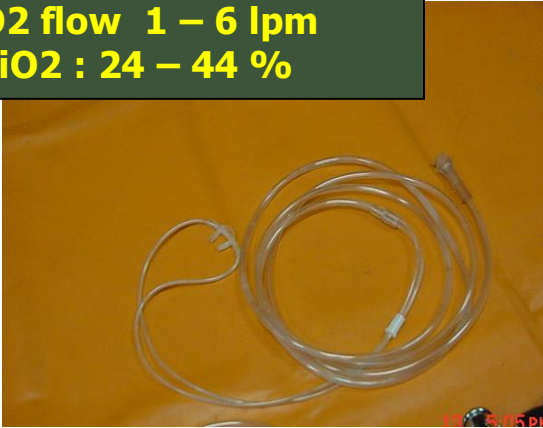


BVM Dengan reservoir bag
Flow O2 : 8-10 lpm
FiO2 : 80%- 100%



PERALATAN PADA TERAPI OKSIGEN

NASAL PRONG
O₂ flow 1 – 6 lpm
FiO₂ : 24 – 44 %



Jackson Rees
Flow O₂ : 8-10 lpm
FiO₂ : 100%



Circulation

- Memastikan ada/tidaknya denyut nadi carotis
- Memberikan kompresi/tekanan/pijatan pada dinding dada untuk membuat jantung berkontraksi kembali
- Indikasi RJP → Henti jantung dan henti nafas



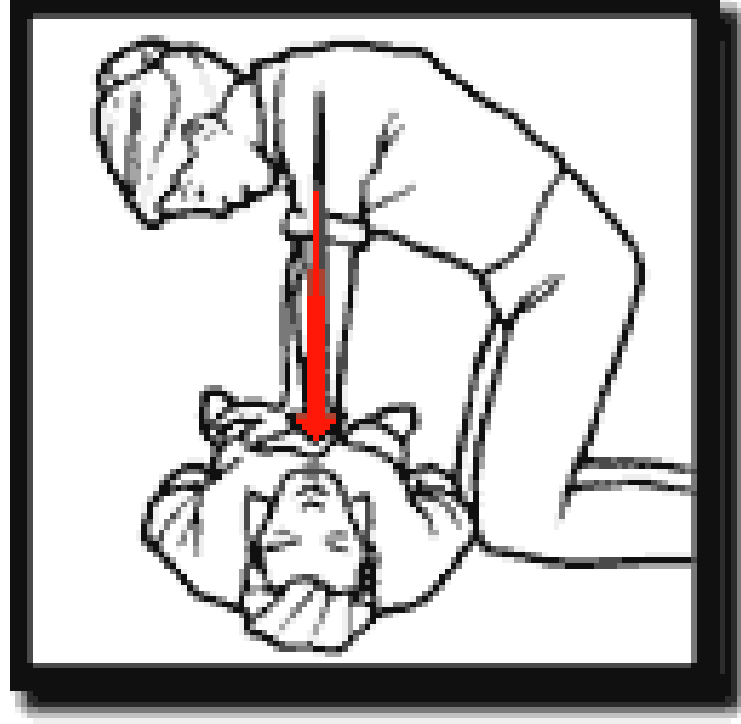
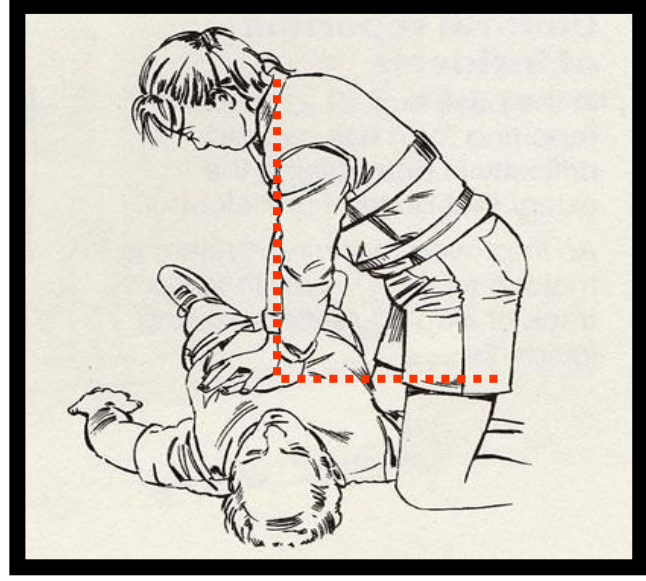
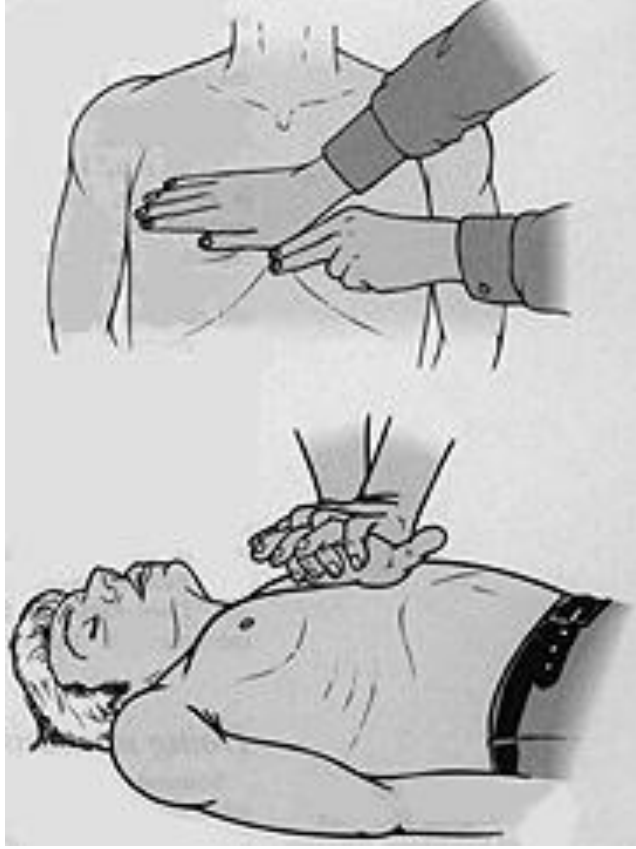
HENTI JANTUNG *ADALAH:*

BERHENTINYA PEREDARAN DARAH SECARA MENDADAK

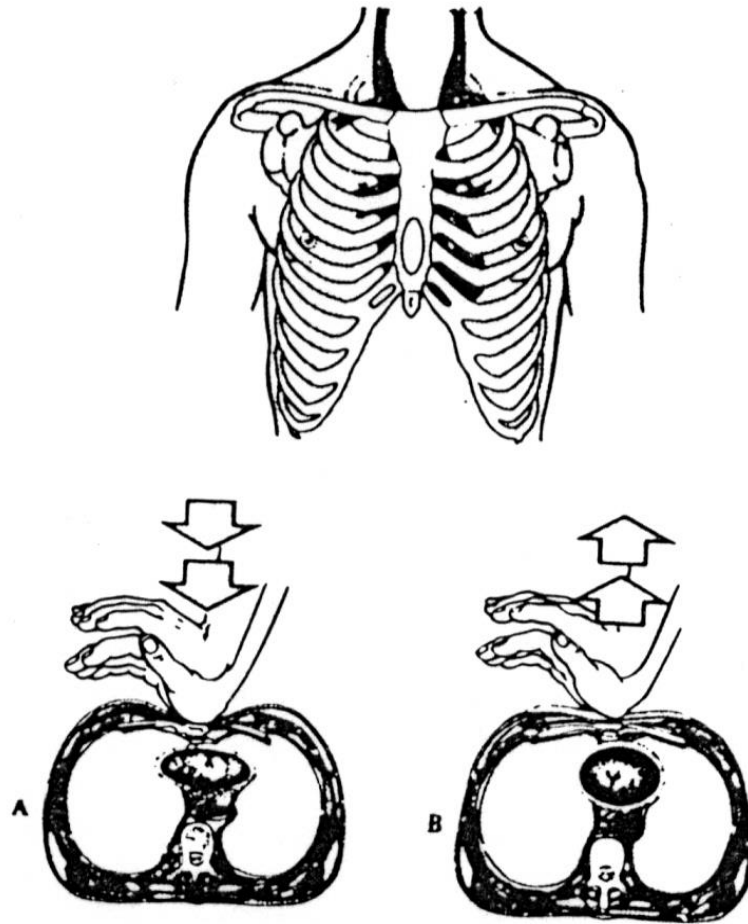
YANG DISEBABKAN OLEH :

1. GANGUAN FUNGSI JANTUNG
2. KEKURANGAN OKSIGEN
3. LAIN-LAIN : (TERSENGAT LISTRIK, PETIR, PERDARAHAN MASIF)





TITIK TUMPU KOMPRESI



TANDA KEBERHASILAN BANTUAN HIDUP DASAR

- **DENYUT NADI TERABA PADA ARTERI BESAR SESUAI DENGAN IRAMA KOMPRESI**
- **WARNA KULIT BERUBAH DARI SIANOTIK MENJADI KEMERAHAN**
- **PUPIL MENGECIL**



CPR Technique

Establish unresponsiveness and
activate the Emergency Medical
Services



Check for ABC

Look/Listen/Feel



Yes - Place in recovery position if unconscious

No - Give 2 full breaths

Opening the Airway

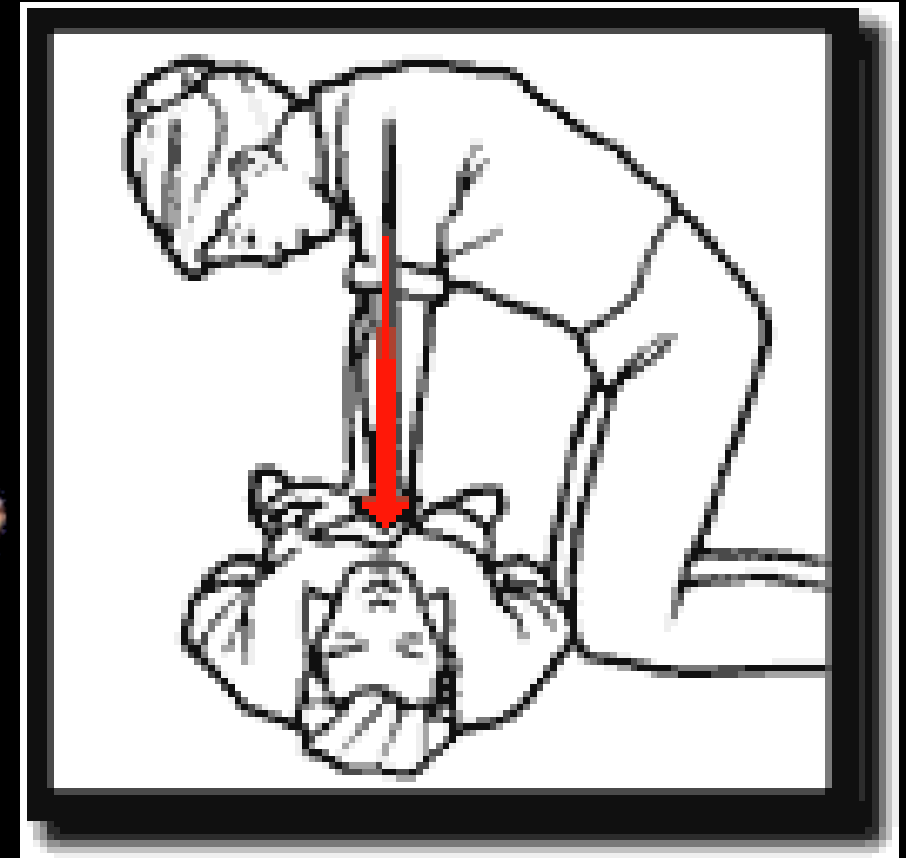
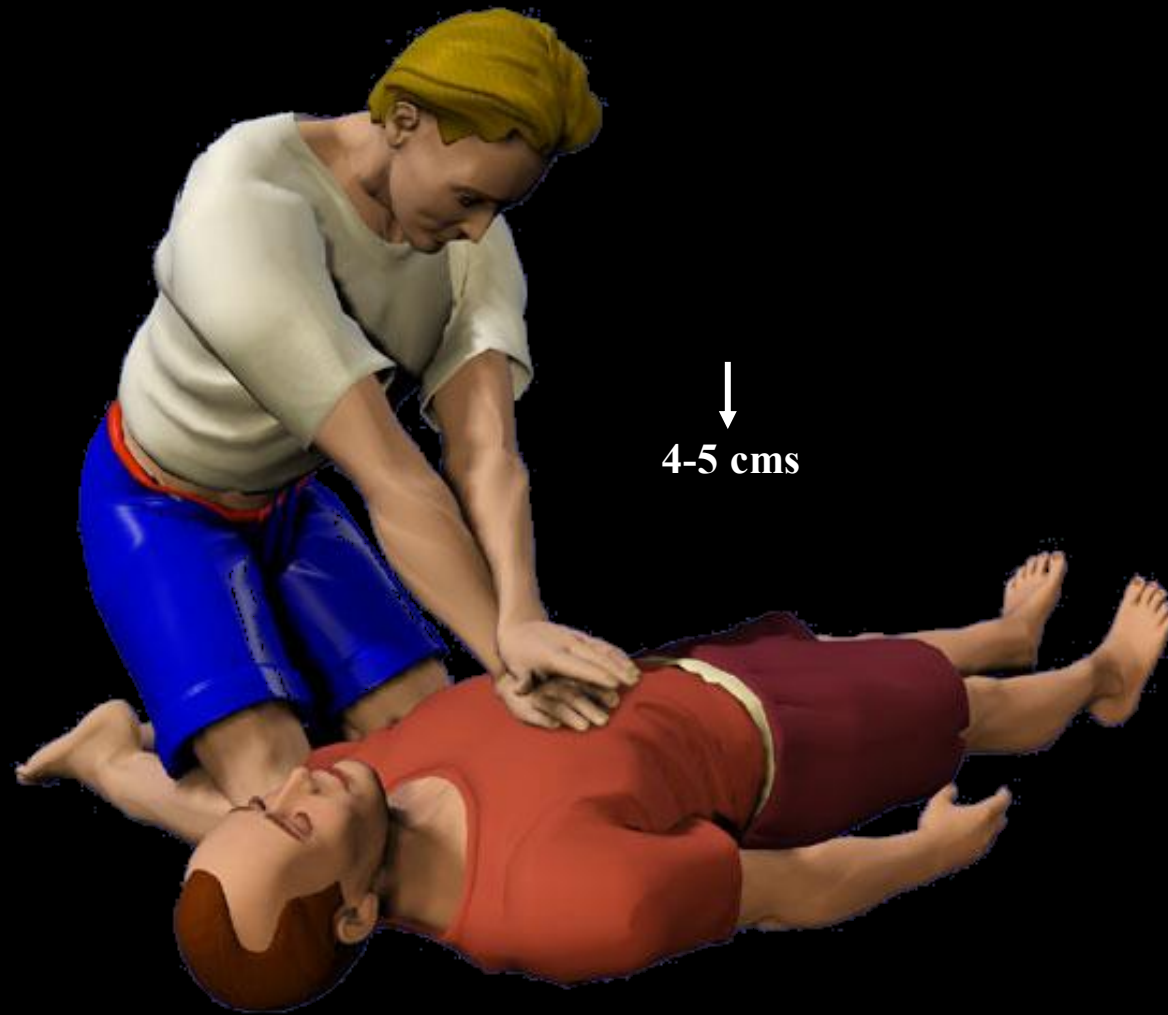


No Signs of Circulation

Locate position on sternum, place heel of hand, taking care to keep the fingers raised.



No Signs of Circulation



RECOVERY POSITION



“KEEP THE PATIENT ALIVE “

Thank you 