GENERAL ANAESTHETICS overall the body. (Lors of Consciousness) - Reversible loss of sensation & consciousness - Analgeria and amnesia (reduting the pain). - Immobility à muscle relaxation Stages: - (Qudel) 1) stage of Analgeria 1 Stage of Delinium 3 stage of Surgical Anaesthesia E Stage of Medullary Paralysis. 1 & Stage of Analgeria - Beginning to tors of conscio Delinium (No suggest of perelipse)

Stage of Delinium (No suggest is

- Pahient lan nous) - A HR, A B.P, Sympathetic activity UT Pupil is dilated - Muscle tone is p, Breathing is irregular 3 Stage of Surgical Anaesthefra - On Pespiration becomes regular. - Mus de relax, Reflexes à lest. - Intercostal musiles are paralyzed. (Abdomen)

(4) Stage of Medullary Paralynis Resp. & vasomotor centre are depressed, Death occurs within few min. Stage-3/ Plane II - Voluntary Control of eye ball.

Plane III - I of Corneal reflex

Plane III - V of pupillary light

reflex

Plane IV - Dilated pupil reflex Concepted (remains in alreadi) Classification (second gas effect) androcker I - Inhalahion abe Gas - Nitrous oxide (N20) Ether, Halothane (EH-SIDE) Volabile Ord_ Sevoflurane, Isoflurane (a.P) Destlurane, Enflurance (ether odour) (Heanody namical) I Parenteral (IV) Inducing digent: Thiopentane, Etomidate, (TEMP.) Methohexitone, Proposed (CR) (Antiemetic) D'azepan, lorazepan Benzodia repines; Midezolamia (DIM) Ketamine. (Phencyclidine) Dissociative (IV for shuchiral analogue anaesthesia (Productions) CI in epilepsy polivents.

Min Alveolai Conc- Conc of vapour in the alvedia of lungs that is needed to prevent movement in 50%. MACT Ligh Ripid Parti-coeff & MAC. Different Targets Halothane, Proposol, Barbiturerates, BDZ O GABA-R-(Spinal cond & Medulla)

Clyune R - (Spinal cond & Medulla)

Halothane, Proposol, (ZCP

Recept

Tsoflwrane

Cond & Medulla) (Hyselfu) Ci (Hyselfu) ->(auses Sedelisa (3) NMOAR & Aspartere - Inh by Ketamine N20 (Na+2)
(Blockege Inhalation Anaesthetics, convergous.

) Ether (Potent)

Ether - Irritating, Inflammable & highly
explosive

Non-Irritating
Non-Irritating
Non-Irritating
Non-Irritating
Non-Irritating
Non-Irritating Excellent Analgeric — Ether & N20 Poor " — Halothane. Hepatoricity - Helothone.

(cause Bronchodilationetis

Preferred in asthematis

- Non- Pritating, Mon-Inflammable. - Good analgeric but pool M Relevant Admington

- Cool of Dental analgeria. - couse hyporia. N20:02 Ether: - Trritant, Inflammable, highly explosive. - Potent & excellent Analgene. & Anaerthetic. - Muscle relaxa of by reducing Ach out him motor nerve ending. Hatothane: (2-40%) - Non-irritant, Non-Inflammable. Servi Catecholomia
- Pool Analgeric - Potent Anaesthetic (highest) 2 c. J. E. pheochegions
- Muscle Relaxat Respiratory depression.
- Hepatotoxic dlug, Respiratory - Hepatotoric muy, Interhial At

- For prolong delivery (Inh utenine Contraction)

- For prolong delivery (Delays labour.

- Depresses Respirehon

- Best Utenine Relevant.

Enflurance Enflurance - Halogenated Ether.
- Faster acting subs of Helothane. Methoxyflurane - Nephtotoxicity. Sevo flurane - Neurotoxic at high dores (sweet smelling)

Parenterals (IV) Thispertone (2.5%) - Ultra short octing thiobarbiturate.
5-8 min, highly lipid soluble. Proposol; (Anti-enetre) - couses pain

- 1% emulsion (Prin) Thiopentone Na (3-5 mg/gm) -1% emulsion (IV) - For Induction & toinance. - Papidly aching, but develops allergic rxn. _ Do not cause bronchospan thats why in Asthmatic. nar port of routing - Produce Peop depression. - pool analgeris.

- pool analgeris.

- Induction in old patients, CNS disorders

- Induction in old pesp depression. Ethomidate: - 4-8 min. Benzo dia zepany -poor analgeric, No post-operative nousea voniting. Ketemine: N. Methyl D-aspostic and D MTCT

Blocks NMDA type of glutomak R

For Head, Neck & face.

Stong analgesic by Thibiting alutomak

Omiod Analgeria Dentanyl! - potent oprod analgeric.

Peme fentanyl - tarter ongener of fentanyl.

Nor. - 11 Dermedetomidine-Activos Central 2 Adr. R

Preanaesthetic Medication - BD2 (Too relieve anxiety)
- Mopine/alycopyrrolate (1 secrn) - Oprød analgesics Morphine, Pethidine (relieve pre 2 post operalize pan) - Antiemetic — Metaclopromide (gastric Domperdone before surgery) - Vacidity & gastric sec — Ranitidine Onepresole.