ANTI-ADPENERGIC DRUCS (Sympatholytics) Antagonize the actions of Adrenaline & related dwgs x & B- blockers X-Blockers Equilibrium type Non-Equilibrium type (conpertitive) (Non-competitive) (Reversible) (Irreveisible) - Phenoxybenzamine (B-haloalkylamine) 0/2-Selectro X,-Selective Non-selective Blockers. - Xhimbin - Prazosi1 - Terazosin - Inidazoline - Doxazosia * (Phentolemine) -Alfu 20511 Ergot alkaloi dy - Ergotamine -Tamsulosin -Silodonn - Ergotoxine X1-Blockers? Hydrogenated eight alkaloid causes Impaired ejaculation & on impotence on - Bihydro ergotamine Vas déference. - Di hydro ergofoxine NIA - In Benign (codergo coine) Presthetie Hyperplancia Miscellaneous Constance to flow of unine. - Chlapromazine

In Eye -) Causes Mydniabis an - Doenhoea x2 Blockers causes 1 in N.A. -> Tachycardia Palpitation (Reflex Artiries (a) -> Blockers couse Peripheral Japane.

Decrease in after load BD. Veins (d1) -> Venodilation V in preload -) Nasal stuffiners in nasal b. V Thestinal mobility is 1 due to partial inhibition of relaxant sympathetic-influences loose influences loose motion Hypotension produced by 1X-blockey Can reduce renal blood flow due to GFR is V Phentolamine! Treatment of erectile dysfunction,

withdrawal hypertension with clanidine is

methyldopa.

- cheese reaction. Phenoxyberzamine - Trimit of Hypertension & pheocheomo-cytoma Tolazoline: Vasodilation in Angrography.
Ranaud's phenomenan

Vasodilation due to XIV d'd. 2 prosthetic urettua dilation (XIA) X1-Blockes Prazosis Hypertension associated with Terazosia dystipidemia. Dorazoun Contains Quinardine ning, pipererine ning, acyl moiety. (fuen) X2-Blockers In Erectifle dystunction, Yohimbine diabetic neuropathy Corynanthine postural hypotensive. (di-selective) diff is carbo methoxy group. Use of X-Blockers - In pheocheomocytome- Metylosine is used - Hypertensive emergies- Phentolamine - Perpheral Vascular disease- Buergeis Lisease - Migraine - BPH - Prazosin. -CHF - Male sexual dysfunction- Phentolomine. -2° shock * 13 Blackers

B-Blockers 2nd (cardianker) 2nd Chenerotisi 1st Generalian 324 (Non-selective (selective aeneralia B-Blockers) B-blocker) B= Plock - Proponeled (30%-BA) (B,-antagonists) - Atenold (B-cond) - Timolof (Morpholine Additional - A cebutolo Dareholo Vaso_ -Nadelol -Bisprold (most) dilatory - Pinedelel (180%. B.A) - Esmold (shortest) Property - Sotalol - Metoprobol - Levo bunolo (emba) (PPTNS) X-vasedilator (u-isones) B. Reflexda Non-selective namine) NSB-S-Labetalof (301-B.A) Br-Selective Beloxold blockers L - Conedito (mex plane Celiprobl Cartelol birding plasma Adv of Cardio-Selective B-blockers: protein binding) -Safe in asthma, diabetes, less risk of hyperlipidemia. Uses of B-blockers - Hypertension Angina Pectonis Coediac Arrhythmia CHF Hyperthyroidism Pheochionocytone Alcohol Thyrotoxicosis Withdrawal Migraine ald come Anxiety

3rd Generation B. Blockers Labetold (Non-selective) d. blockels Carvedild " Medroxold Bucindolol. (d-180mer) Rodyd - Has Antioxidant Release of Mo: - Nebivoldjol kt ch Opener ! - Tilisold. Antiproliferand Carch blocker - Correduct (BB) - Beventolos Lo V systelic - Betoxold. BP B-aganist: Celiprolol (CCB) Cartelol Bapindolol c memberane stabilizing B- blockers propranol (PMLAP) activity. - Amine group Possers memb stabilizing is protonated Propranold & binds by Metaprolof local Anaesthehra Property ionic interection labetold to the binding site Acebutolo - Alcohol group Pindolol. interects by hydrogen C.I of Non-Selective B-blockerbonding ABCD - Asthma Block CHF Diabetes

B-blocker & intrinsic Sympathonimetric acitivity (ISA) Contain - Celiprold, Oxprends/ Partial - Pindold, Penbutold aganist - Alprenold Activity - Aceloutold High lipid solubility - Proprandol Penbutalol High Water solubility_ (BEASTE) - Bisoprald -Esmold -Acebutald, Atendol - Sotato! longest aching - Nadold (Non-Selective-Robons
Shortest aching - Esmold. Beleative-Robons 100%. bioavailability- Penbutolol Pindold 30%. bioavailability-Propranold, Corredistol. Max plasma protein binding-Correditol
Min " - celiprotol -Proprandol-Not in polients à Asthma. -) Atendol - Not in Renal failure patients least lipid soluble.