

Leel Pharma

main points

Σ.

① Growth hormone

Under $\downarrow$: either Somatrem Or Somatropin

$\rightarrow$ longer duration $\star\star$

Over $\uparrow$: Octreotide if fails Pegvisomant

$\downarrow$
1st choice

for acromegaly
and VIPOMA
(treat symptoms)

$\downarrow$ secretion $\rightarrow$ bGH)

• Inhibitory effect on insulin $\gg$ glucagon

$\rightarrow$ Hyperglycemia

$\downarrow$
• Refractory
acromegaly
• Receptor Antagonist
(GHR)

② GnRH

Under ↓↓: HMG, HCG, Urofollitropin, Follitropin beta
• FSH + LH agonist, • LH agonist, • FSH, • Recombinant FSH

• Male infertility: HCG $\xrightarrow{\text{Then}}$ HMG
- for testosterone production - for spermatogenesis

• Female infertility: HCG $\xrightarrow{\text{Then}}$ HMG
- follicular growth - for ovulation

Over ↑↑ $\rightarrow$ Leuprolide Or Nafarelin

Mechanism $\rightarrow$ agonist $\rightarrow$ ↓ FSH + LH $\rightarrow$ Down Regulation
(agonists) ↓ LH + ↓ FSH

Uses: Prostate cancer, endometriosis, precocious puberty (early)

③ Oxytocin: Uterine Contraction

Main uses: Post partum hemorrhage, milk ejection, Labor

④ Desmopressin VS Vasopressin

- Selective V₂
- Only water retention
- nocturnal enuresis

- Both V₁ + V₂
- Retention + ↑BP (Vasocan)
- ↓ bleeding

} Both used for diabetes insipidus but desmo → ↓ ↓ CUS effects