

PHARMACOLOGY-III

UNIT-I

APPETITE STIMULANTS AND SUPPRESSANTS

**PREPARED BY
SUCHARITA BABU
ASSISTANT PROFESSOR
SCHOOL OF PHARMACY AND LIFE SCIENCES**



**Centurion
UNIVERSITY**

*Shaping Lives...
Empowering Communities...*

APPETITE
STIMULANT
& SUPPRESSANTS



APPETITE

- APPETITE IS THE DESIRE TO EAT FOOD, FELT AS HUNGER.
- APPETITE EXISTS IN ALL HIGHER LIFE FORMS AND SERVES TO REGULATE ADEQUATE ENERGY INTAKE TO MAINTAIN METABOLIC NEEDS

APPETITE STIMULANTS:

- ALSO CALLED AS OREXIGENIC AGENT
- OR THE AGENT WHICH INCREASE APPETITE OR HUNGER
- AGENTS:
 - DRUGS
 - HORMONE
 - OR THE COMPOUND WHICH INCREASE APPETITE



IT IS BEATIFICAL WHEN PERSON IS SUFFERING FROM LOSS OF APPETITE DUE TO

➤ OLD AGE

➤ AIDS

➤ CANCER

➤ DEPRESSION

➤ OTHER PSYCHOLOGICAL DISORDERS





- SYMPTOMATIC IMPROVEMENTS:

- LEMON WATER

- PICKLES

- SOUP

- BITTERS

- ORANGE

- GINGER

- CARDAMON



OTHERS DRUGS

1. ALCOHOL:

➤ IN SMALL QUANTITY (10%) BEFORE MEAL;

➤ INCREASE GASTRIC SECRETION

➤ MAIN PART OF TONIC BUT NOT IN CASE OF CHILDREN

2. GLUCOCORTICOID/MEGESTEROL ACETATE: INCREASE APPETITE

3. ANABOLIC STEROID : BELIEVE TO INCREASE APPETITE

MEGESTEROL ACETATE

- APPEARS TO ACT VIA CNS TO ENHANCE APPETITE
- MECHANISM OF ACTION IS NOT FULLY KNOWN
- STABILIZES OR INCREASE BODY WEIGHT
- POSSIBLE SIDE EFFECTS : EDEMA

APPETITE SUPPRESSANTS:

- ANOREXIANTS
- DECREASE HUNGER AND APPETITE

1. ADRENERGIC AGENTS:

BENZMPHETAMINE ,

2. 5HT AGONIST : FENFLURAMINE , LORCASERIN ,
FLUOXETINE



LORCASERIN

- REDUCE APPETITE BY ACTIVATING SEROTONIN RECEPTOR(IN THE REGION CALLED HYPOTHALAMUS WHICH CONTROL APPETITE)
- NO LONGER USE IN US DUE TO IT'S SIDE EFFECTS

- AMPHETAMINE:
- ACTION IS BASED ON RELEASE OF DOPAMINE & NORADRENALINE FROM ADRENERGIC CELL
- DECREASE REUPTAKE OF DA & NA
- DRAWBACK: DRUG DEPENDENCE, TACHYCARDIA, INSOMNIA, NERVOUSNESS
- METHYLAMPHETAMINE: HIGHLY ADDICTIVE



DRUGS ACTION ON GIT:

- **BULK ANOREXIANTS: METHYLCELLULOSE**
- 