

Pharma 1

slide #2

- not real hormones
- neurotransmitters
- maintain the homeostasis

slide #3

- l-histidine : amino acid that converted to histamine
- anaphylaxis : sever type of allergy , rare , may lead to death
Penicillin allergy , medical emergency

Slide #4

- mechanical release : الخ. ق لم او دب وس خدش :

Slide #6

مط لوب مش ال جدول

Slide #7

- satiety : شبع :
- decrease BP due to vasodilation

Slide #8

- histamine is an experimental agent , not therapeutic one = not use therapeutically for any condition .
- physiologic antagonism : its action is opposite to the action of histamine
- epinehrine : life saving treatment of anaphylactic shock (characterized by : bronchospasm , hypotention and vasodilation)
- pharmacologic antagonism : interfere with the action of histamine such as : release inhibitors and receptor antagonists ..
- cromolyn and nedocromil : used for bronchial asthma

Slide #9

- prevent binding of histamine so given before their release .
- widely used
- Alerveen for example
- there is no abuse indication !

Slide #10

- first generation : cause sleeping .
- 2nd generation : preferred by active persons , working persons .

Slide #12+13

حفظ مش

Slide #14

- motion sickness : sea sickness , related to any thing moves
- Menier's syndrome : disorder of inner ear characterized by vertigo
- teratogenic : causing malformation of embryo or fetus so >>> contraindicated in human

Slide #15

- H2 receptores found in gastric mucosa and responses of gastric acid secretion .
- H2 antagonists : cause 40-60% inhibition , anticholinergic drugs cause 10-20% inhibition , placebo : 30% and proton pump inhibitors cause 100% inhibition .
- before 1972 ;

Antiacids + anticholinergic drugs

surgical treatment :

- 1) cut the vagus nerve : vagotomy .
- 2) remove part of stomach : partial gastrectomy .
- 3) remove the duodenum : gastrectomy .

- Cimetidine : no longer use .

. الجراحة من بدلا بـ سد يبطا الـ علاج جعل دواء اول

- it is Nazitidine not Naziditine ;;;; so all these drugs end with -tidine :")

Slide #16

- 5-Hydroxytryptamine : chemically same as serotonin and enteramine .

Slide #17

- L-tryptophan : aromatic amino acid
- MAO : monoamine oxidase
- the last point in this slide related to the diseases that could be treated by serotonin .

Slide #18

- remember that histamine has 4 types while serotonin has 7 , histamine hasn't subfamilies while serotonin has .
- GABA : gamma aminobutric acid
- GPCR : G protein coupled receptors

Slide #19

حفظ مش

Slide # 20

- melatonin : sleeping aid for circadian rhythm disorders

Slide #21

- tumor of enterochromaffin cells : causes severe diarrhea + abdominal pain
- predictable means : as the amount of serotonin increases , the severity will increase .

Slide #22

- notice that histamine agonists >> not use clinically
- SSRI : selective serotonin reuptake inhibitors
- note ,, dr Muneer said there is no need to remember the subfamilies that each antagonist work on , just remember the main type .

Pharma 3

Slide #6

- Octerotide ; more stable = longer half life

Slide #9

LH and FSH : working at early time of pregnancy

Slide #10

- constant administration cause desensitization / tolerance >>> suppression
- low pulsatile = mimic the physiological state

Slide #12

- Gonirelix , cause delay the ovulation until the ovum is mature

Slide #15

- lean body mass = normal weight - the weight of fat

Slide #20

- taken every day + very expensive

Slide #21

- HIV / AIDS
- short bowel syndrome = resection of intestine

Slide #22 and 23

- Gigantism in children while acromegaly in adult
- Note , if the excess of GH happen before the closure of epiphyseal plate = Gigantism , if after = acromegally