

PHARMACOLOGY

O Sheet

●Slides

Number:

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Subject:

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15

Medicine

- Droque = French word

- WHO - any = substance, or = · mixture of substances or= . prepenation or =

device = " tip ons

use = . Prevention

treatment or =

· diagnosis or-

. Cure

in s. humen

= General definitions

a chemical agent or device that alters biological processes in living tissues.

ligand: - any chemical that binds to another; (?)
- in pharmacology = drugs that binds to
receptors.

Analogue drug:

- = Drug chemically related to parent drug.
- = Similar effects as parent drug.
 - = may differ in some pharmacokinetic or Lynamics
 - = example =

 etunyl estractiol = analogue of estractible

 etunyl estractiol = analogue of estractible

 i = similar estrageni pharmacoleineties =

 i = different pharmacoleineties =

 can be taken orally.

Prodrug:

prodrug:

prodrug:

example = acetyl salicylic acid m. salicylix acid

example = acetyl salicylic acid inside beely

inside beely

- = prevent diseases
- = Reduce the intest intensity of disease thects

Diagnostic drugo.

- = Diagnosing diseases.
- = Diagnosing sites of lesions.
 - = etc.

therapeutic drugs:

a - Curative drugs.

6 - palliative or symptometric dongs.

c - Eupportive Lings.

d - Bubstitutive Longs.

e-Restarative drugs.

8- placebo-drugo



A - Curative drugs:

- = eliminate drug couses = cure diseases
- = e.g. = antibiotics

B - Paliative or symptomatic drugs:

- = reduces diseases undestrable effects.
- = may cure or not from original distance.
 - = examples = NSAID = ++ = hardache = hyperthermia
 - = antieleptics

 onti hypertensius) is expected

C- Supportivedings =

- = help maintain patiend life -s in prepualion
- = example = in conjunction of general anaesthesis

- = substitute naturally ocurring substances in the body. -> diseases.
- examples: vitamines all throughlife

 Sults

 Normones certain period

e-Restarative drugs,

- = restore body health.
- = restoration period
- = rebuild stages.

drug response = - biological response

- psychological response

= present in all drug effects

psychological effect:

- possitive effects = help palients.

negative effect = disturbed life.

uses of placebo drugs.

- Central drugo = new drugs. = drug frials.

- impovement -) pateil state:

- = No materialistic effect.
- = No harmful effects.

chemotherapy.

7

Drugs used in =

a = treatment of cancer.

b-= treatment of diseases caused by infectious disease caused by microorganisms:

- bacteria

- viru ses

-fungi

- protozoa

- helementhics.

antibiotics =

- any substances produced by or derived from a living organism - inhibits the growth or destroys amother organisms.

= used in treatment of infections diseases.

e.s. bacteric

= fungi

= etc-

antioxidant = Neutralizes oxygen free radicals.

Biologicals;

- = Vacines
 - = genitically engeneral proteins.

mechanism of action .

interact with proteins = ==

- bacteria
- viruses .
- · endagenous proteins

mediate diseases

-> producing reaching

chelating agents:

Chemicals that form complexes with some metalions -> rendering them harmless -> Complex is safely excreated

Copper caamples 1 · lead poisoning.

Drug Contravidications = conditions that prohibit drug use

Drug Compliance = patient compliance

Definition: pation's adherence to instructions.

of prescribed drug or,

any other treatment program.

- do not dispense drugs at all
- buy the drugs, but do not take them at all
 - they take part of the ding, don't completely the Not of it.
 - not coherence of taking drugs
 - no commitment to phypition instructions

Reasons: . francial causes

- · psychological or disturbing symptoms
- . the appearance of disturbing side effects
- instructions rong drug utilijation.

 deficiency of instructions

 physitions

- deficiency of patient perception

- patient negligence to follow instructions

despite understanding these instructions.

due to: - nature of the disease:
psychological diseases

Charnic diseases

- charnic diseases

- nature of dosage regimen:
complicated dosage

regimen = more than

one drug.

- Nature of the drug;
-more than one drug
- long penied of administrat

- Nothere of Long dispensing sites:
- crowded outpathed pharmacy