

CH. 4 Diseases and Disorders

****BEFORE LECTURE Define the following word parts: Word Part quiz will be _____**

Prefixes	Combining forms		Suffixes	
	Alb(o),albin(o),leuk(o),leuc(o)	Metr(o)	-able, -ible	-osis
	Bacter(i),bacteri(o)	Muscul(o), my(o)	-ary,-eal,-ive,-tic	-ous
	Cancer(o), carcin(o)	Nas(o)	-ase	-pathy
	Cephal(o)	Nos(o)	-cele	-phagia,-phagic,-phagy
	Chlor(o)	Phag(o)	-cyte	-phasia
	Cyan(o)	Phas(o)	-emia	-phobia
	Cyt(o)	Plas(o)	-eum,-ium	-plasia,-plasma
	Erythr(o)	Plast(o)	-gen	-plegia
	Fung(i), myc(o)	Pleg(o)	-ia, -iasis,-ism	-ptosis
	Gen(o)	Pod(o)	-iac	-schisis
	Hist(o)	Pyr(o)	-itis	-sclerosis
	iatr(o)	Schis(o),schiz(o),schist(o)	-kinesia,-kinesis	-trophic,-trophy
	idi(o)	Scler(o)	-lepsy	-y
	Kinesi(o)	Scop(o)	-lith	
	Lact(o)	Seps(o)	-lysin,-lytic	
	Leps(o)	Sept(i),sept(o)	-mania	
	Lith(o)	Staphyl(o)	-maniac	
	Log(o)	Strept(o)	-metry	
	Lys(o)	Tox(o),toxic(o)	-oma	
	Melan(o)	Troph(o)	-opia	
	Megal(o)	Vir(o), virus(o)	-ose	
		Xanth(o)		

*****BEFORE LECTURE Define the following Abbreviations: Quiz will be _____**

- HPF
- LPF
- MRSA
- Staph
- strep
- STD
- ACS
- CDC
- FEMA
- IED
- WMD

Word Analysis

- kleptomania
- adenopathy
- otitis
- anemia
- erythema
- melancholy
- xanthosis

Classification of Disease

- organic
- functional
- idiopathic
- iatrogenic
- nosocomial

Infectious Disease

- contagious
- communicable

Terminology

- microbiology
- microbiologists
- virulence
- pathogenic microorganisms:
 - viruses — vir(o), virus(o)
 - bacteria — bacter(i), bacteri(o)
 - fungi — fung(i), myc(o)
 - protozoa
- Bacteria: unicellular microorganisms classified by their shape:
 - spherical — cocci
 - rod-shaped — bacilli
 - spiral — spirochetes and spirilla
 - comma-shaped — vibrios
- Gram Stain
 - Special staining technique that serves as a means of identifying and classifying bacteria
 - Gram + bacteria appear violet (purple)
 - Gram – bacteria appear pinkish
- bacteremia
- bacteriostatic
- bactericidal

- septicemia
- sepsis
- antiseptic
- anaerobic
 - Examples: tetanus (Clostridium) botulism
- aerobic
- Bioterrorism = use of pathogenic biological agents to cause terror
 - WMD: BNICE
 - FEMA
 - CDC
 - IED
- Carcinogenic
- carcinogenesis
- Metastasis
- metastasize
 - direct invasion of tissue
 - invasion of the bloodstream
 - invasion of lymphatic vessels
 - spread of cells throughout a body cavity

USE CAUTION!!!

- ase (enzyme) vs. -ose (sugar)
- ia (condition) vs. -iac (one who suffers)
- lysin (that which destroys) vs. -lytic (capable of destroying)
- iatrogenic vs. idiopathic
- -phagia (eating, swallowing) vs. -phasia (speech)
- -plasia vs. -plasty
- -rrhage vs. -rrhea vs. -rrhexis