

: hi all - lale ma dras micro hadol 5olaset as2let elsanawat
(bs kelasaf ma kan fe e3ade kter belas2ele ya3ne e7temal
kber eno ma yen3ad ☹ good luck all ☺)

C. Botulism = Food poisoning (contaminated canned food) +
neurotoxin (paralysis)

Enterotoxigenic E.C = travelers diarrhea

Enteroaggregative E.C = aggregate & adhere the microvilli + produce
a biofilm of mucous

Enterohemorrhagic E.C = HUS (hemolytic uremic syndrome = hemolytic
anemia thrombocytopenia + renal failure)

SHIGELLA

shiga toxin (inhibit protein synthesis by ADP ribosylation to elongation
factor 1) + infect adjacent enterocyte by formation of **ACTIN
TAILS** → basolateral invasion

SALMONELLA

Salmonella enteric typhi → VI antigen → early diagnosis by stool
analysis

YERSINIA

Y. enterocolitica = outer membrane protein = virulent factor

VIBRIO

V.colera = rice watery diarrhea

it has a pilli → structure important for production of its toxin

CAMPYLOBACTER

C.jejuni → Guillain Barre syndrome

Has a closed pathogenesis to cholera

H.PYLORI

VAC-A (vaculated agent) → vacuole + apoptosis

CAG-protein → oncogenesis → by stimulation of IL8 & neutrophil activation protein = gastric cancer

PUD

Hepatitis

HAV+HBV → effective vaccine

HBCag → difficult to detect

HBCab → earliest to find → IgM for it = diagnostic active HBV

HDV → most severe outcome

Infection of HDV → could achieve an immunization of HBV

ENTAMEBA HISTOLYTICA

Cause pericarditis & cardiac tamponade

CRYPTOSPORIDIUM PARVUM

DOC = paromomycin + actretide acetate

NEMATODES

1* ENTEROBIUS VERMICULARIS Stool analysis = free

2* TRICHURIS TRICHURA Rectal prolapsed + iron deficiency anemia

1+2* not penetrating the lung

3-TOXOCARA CANIS & CATI Visceral larva migrans

4-ANCYLOSTOMA DUDENALE Most blood lose (.2 ml\day)

5-STRONYLOIDS STERCORALIS *****

Can's see it's egg + autoinfection + free living cycle

TAPE WORMS

*TANIA SOLEUM Definite host & intermediate = human

*HYDATA (ECHINOCOCCUS)

Egg = hexancath

Intermediate = sheep

Hydata cyst

*FISH WORM(DIPHULLOBOTHRIUM LATUM)

CYCLOP(water flea) = intermediate1

TREMATODES

Infectious form to CLONORCHIS SINUSIS = metacercaria

Infectious form to HETEROPHYES HYTEROPHYES = metacercaria

2ND INTERMEDIATE OF fasciola hepatica = water cress (water vegetation)

URN-SHAPED EGGS = clonorchis sinensis

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