

Mocardia

identification

and acid fastness

1) present of both of aerial hypae

2) rapid lest

3) unique feature

Virulence Packar

I) catalase

non-spore forming

2) Superoxide dismulase

3) prevent fusion of the

4) prevent acidification of phagosome

phagosome - lysosome by cord factor

disenses 1)Branchopulmonary disease

A) initially in upper respiration by inhalation

B) then aspiration of oral secretion into lower airway C) always in immuno compromised patients

2) brain abscess & A) Single or Multiple

A) when inferhion dissemination to broin

3) culaneous nocardiosis &

traumatic induction into subcutaneous + can be present as Mycetoma u) Myceloma 8

A) Chronic Suppurative disease of skin + Subcutaneous

B) Symploms & Lumor + Pistulas + grains c) coused by fungi (ex.) + bacteria

D) slow progression, painless nature

E) late injection treatment -> ampulation

1) Strict aerobic rad 2) form branched filaments

inhra.

3) weakly acid fast 8 weak decolonizing of

hydrachlaric acid must be used

4) weakly acid fast-distinguish it from Actinomyces

to demonstrate the acid fast property

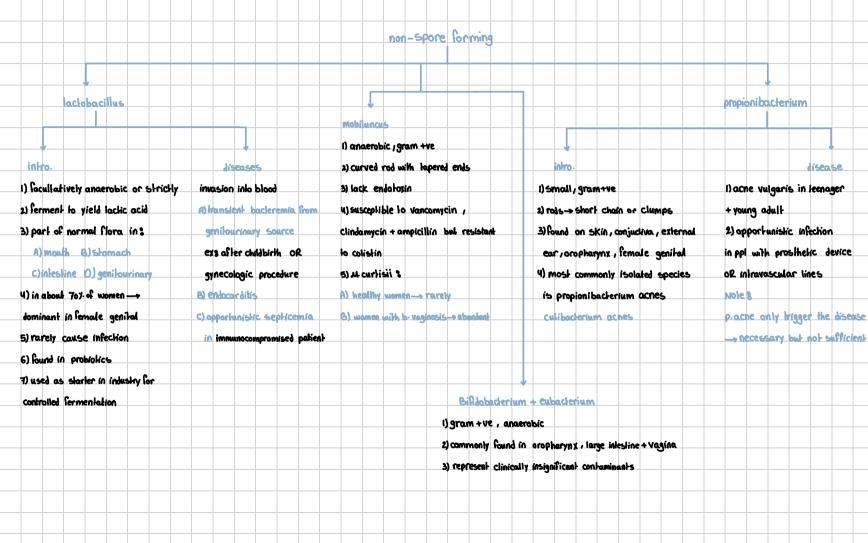
5) slow growth, 3-5 days for incubation

6) its infections are exogenous

7) ubiquitous, found in soil rich with organic matter

2) most affected ones are

immunocompromised ppl



	non-spore f	arming
listeria manocytogenes		
inlro	virulence factor	diseases
1) Short, Gram +ve	1) internation A 3	1) foodbore listeriosis 8
2) nonbranching, facultatively anaerobic	protein on surfac of Booth which	Conframinated Cood
3) single, in pairs or short chains	facilitate adhering to host cells	2) neonatal disease 8
4) motile at room Temp. but less at 37°	via interacting with glycaprotein receptor	mother—schild in utero or ak birth
5) end over end fumbling motion	an host cells (epithelial cadheria)	A) early onset disease (transplacentally)
6) weak B-hemolysis on blood agar	2) facultative intracellular pathogen	abortion, stillbirth, premature birth
7) widely distributed but uncommonly to	3) backerial pore-forming cytolysin	B) lake onsel- (at or other 2-3 weeks birth)
cause disease	(listerialysin 0)	meningihis, meningoence phalitis with septicaemia
8) +ve, mobility, B- useful for the	4) 2 diff. phospholipase C	
preliminary identification	Note 8	Aoles
9) Cause disease in 8	4+3.81) activated via acid pH	1) most infection in pregnant women during 3rd trimester
A)neonates	of phagalysasome	->impaired Cellular (mmunity
B) elderly	2) lead to release of bacteria in cytosal	2) Healthy adult—self limited + Asymptomatic or mild
C) pregnant women	5) movement - ActA (B. protein) - assembly of Actin	
D) immuno compromised (cellular immunity)	6) replicate in Macrophages—avoid AB-mediated	
	Clearance	

	non-spore for	ming TELE **
Cotynebackerium diphtheriae		
inhro	Foxin	respiratory diphtheria
1) irregulalarly staining	v) diphtheria toxin	1) Sudden anset
2) pleomorphic rod	ex: A-B exoloxin	2) malaise, sore throat
3) aerobic or facultatively anaerobic	A subunit catalytic region	3) exudative pharyngitis
4) nonmobile, catalose the	B 11 -> receptor-binding + translocation region	4) low grade fever
5) ubiquitous in plants, animal	mechanism 8	5) Mick Pseudomembrane
6) normally colonize (skin, upper respiratory	1) toxin bind to HE-EGF factor on epi- mem-	Composition 8
GIT, UGT) in humans.	2) endocytosed into the cell	A) lymphocytes B) plasma cells
7) humans are the only known reservoir	3) A subunit - hours located to the cytosol	c) fibrin D) dead cells E) backeria
8) respiratory draplet or skin contact	4) A	locations
→ person to person	5) No prolein synthesis then dies	A) tonsils (B) www. C) polate
		D) nasophannx E) larmx
	Notes	6)uncommon in USA bcz of immunization
	eEF-2 is required for probein synthesis	→No cases since 2003

Anaerobic Gram tve cocci	
intro ·	peptostreptoccus
1) Colonize in oral covity, GIT	1) recovered more from 3
	A)Subcutaneous
	8) soll-tissue abscess
to siles that are normally sterile	c) diabetes-related foot-ulcers
	2) less from 8
	intra-abdominal infection
	3) its infection—Chronic infection (more aften)
	4) many infection —synergistic