Cheatography

digestive urinary reproductive tract infections Cheat Sheet by gracev (gracev21) via cheatography.com/168753/cs/36093/

	nicrobiota digestive system	bacterial diseases of the digestive system (cont)		bacterial diseases of the digestive system (cont)	
not usually general microbes in esophagus, stomach and duodenum			perforations- internal bleeding,		shigella multiplies inside cell
microbes in teeth, tongue, sm. intestine, colon, rectum			bowel obstruction (could lead to shock) 1 bacteria invade mucus and attach to gastric epithelial cells		shigella invades neighbouring epithelial cells thus avoiding immune defenses (shiga toxins released)
microbiota feed, outcompete pathogens, produce vitamins					
· oral antimicrobials			2 helicobacter, its toxins, and		an abscess forms as epithelial
mucous membranes prevent microbes entering blood			inflammation cause the layer of mucus to become thin		cells are killed by the infection. The bacteria rarely spread in the blood stream
			3 gastric acid destroys epithelial cells and underlying tissues		treated antibiotics if necessary
dental caries	diseases of the digestive system erosion of teeth; can result in holes/pits in teeth/tooth loss		antibiotics and acid-inhibiting drugs, or acid reduced diet	traveler's diarrhea	escherichia coli- a cloiform
ounco	bacteria produce dextran (sticky sugar)	bacterial gastro- enteritis	diarrhea, nausea, vomiting, abdominal pain, cramps, kidney failure, anemia, dysentery- ulceration or bleeding of intestinal wall.		virulent genes:; fimbrae, adhesins, toxins
	plaques metabolize dextran				numerous antigens: O<- found
	bacteria invades dentin and pulp (eroding teeth)				on cell, K <- found on capsule, H<- found on flagella
	decades enamel, then dentin, then pulp		can be caused by: poorly prepared foods, contaminated		dangerous strain: E. coli O157:H7 (binds to neutrophils)
period-	inflammation of surrounding		water, poor sanitation conditions		loss of fluids + electrolytes
ontal disease	tissues (gingiva= gums)		treated by self-administered, electrolytes, antidiarhheal drugs <- not good choice keeps everything in body		attachments to intestinal cells + rids good E. coli
	tartar trapped				treatment replace lost fluids
	anaerobic pockets- porphy-	cholera	vibro cholerae		avoid antidiarrheal drugs
	romonas gingivalis (acute necror- izing ulcerative gingivitis)		loss of electrolytes rice-water stool (contains	campyl- obacter	campylobacter jejuni
	teeth loosen and fall out		mucus), dehydration, hypoka- lemia, hypovolemic shock	diarrhea	improper eacked poultry
	enzymes are produced causing pigmented, eroding and change				improper cooked poultry
			supportive care- replacing fluids		colonizes jejunum, ileum, colon adhesins, cytotoxins, lipid A
	of colour in gums 1 healthy gingivae 2 gingivitis 3 periodontal pockets 4 period- ontitis	shigel- Iosis	shigella	antimi- crobial- asso-	Clostridium difficile
			shigella enters epithelial cell lining intestinal tract		
peptic	abdominal pain - erosion of			ciated diarrhea	
ulcers	stomach or duodenum lining			diaininod	5-10 bowel movements a day



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bacterial diseases of the digestive system (cont)			bacterial diseases of the digestive system (cont)		
	severe diarrhea + inflam-	m	umps	mumps virus, <i>Rubulavirus genus</i>	
	mation, colon lesions= pseudomembranous colitis			inflammation, swollen glands, fever	
	Toxin A: breaks junctions of mucous membranes			parotitis- inflammation of parotid gland	
	Toxin B: kills colon cells			treated w/ comfort care	
	treatments: metronidazole, vancomycin, eat probiotics fecal transplant	ga	ral astro- nteritis	consuming fo contaminated food	
salmon- ellosis and	Salmonella enterica			symptoms 24hrs after consum- ption	
typhoid fever				cramping, diarrhea, nausea, vomiting, complications rare	
	salmonellosis- surface of egg shell			resolve after 1 week	
	typhoid fever- blood stream			fecal-oral route	
	infection spreads			common agents: calcivirus (norovirus). astrovirus, rotavirus	
	epithelial cells lining the sm.			<- most severe vaccine for it	
	intestine		viral hepatitis	inflammation of liver	
	2 salmonella triggers endocy- tosis		spanns	jaundice, abdominal pain, abnormal urine and stool	
	3 salmonella multiplies within			eventual coma	
	food vesicle 4 salmonella kills host cell, inducing fever, cramps, and diarrhea			chronic infection = cirrhosis (scarring of liver), liver failure, liver cancer	
	5 bacteremia: salmonella moves into bloodstream				
	treat with antibiotics				
bacterial food poisoning	intoxication (enterotoxin)				
	symptoms depend on toxin (5 different toxins of <i>staphyloc-occus aureus</i>)				
	1-6 hours after food eaten intoxication occurs				

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