|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Type | Organism | Incubation Period  | SourceRisk factors | Clinical | Diagnosis | Treatment |
| Infectious diarrhea InvasiveDysentery Blood+mucous | **Shigella** **gram-negative rods** | 1-3 Days | Human | Small amount of stool with blood and mucous and lower abdominal pain ( trismus) | Culture on selective media | Ciprofloxacin |
| **Entamoeba histolytica** | 1-3 wks | Contaminated Food with human excreta | Microscopy | Metronidazole |
| **EIEC****gram-negative rods** | 1-3 Days | Contaminated Food with human excreta | Culture and toxin detection |  |
|  |  |  |  |  |  |  |
| Infectious diarrhea Non-invasive Watery +/-blood | **Salmonella****gram-negative rods** | 1-3 Days | S.typhi and S.para HumanOthers reptiles and snakes  | Watery+/-Blood | S.typhi and S.para typhi🡪 typhoidOthers watery diarrhea  | Ampicillin or ciprofluxaci or metronidazole or trimethoprim sulfa  |
| **campylobacter jejuni****small, curved, gram-negative rods** | 1-3 Days | poultry | Watery+/-Blood | **Special media at 42 o C at microaerophilic condition**  | Erythromycin  |
| **EHEC** | 1-3 Days | beef | Watery then bloody diarrheaRenal failure  | Culture and toxin detection |  |
| **Vibrio cholera****Comma-shape****gram-negative rods** | 1-3 Days | Salt water | Rice water |  | Ciprofloxacin Doxycycline |
| **Yersinia** **Gram Neg bacilli** | 1-3 Days | Pork intestine | Pseudo appendicitis  | **Cold enrichment** **25-30oC****CIN (Yersinia)** | Gentamycin |
| **Listeria****Monocytogenes** **Gram pos bacilli** | 2-3 wks  | unpasteurized dairy products | Meningitis in neonate and oldAbortion | Ampicillin  |
|  |  |  |  |  |  |  |
| Food Poisoning Watery (preformed toxin) | **Staphylococcus****aureus** | 1-6 hour | Contaminated food from human flora | Vomiting then watery diarrhea  | Culture and toxin detection | Observation and supportive treatment |
| **Clostridium****perfringens** | 8 to 16 hours | Food contaminated with Soil |
| **bacillus cereus****spore forming aerobic Gram pos bacilli** | 8 to 16 hours | 8 to 16 hours |
|  |  |  |  |  |  |  |
| Travelers | **ETEC** | 1-3 Days | Travel | Watery diarrhea  | CultureToxin detection | ciprofloxacin |
|  |  |  |  |  |  |  |
| Antibiotics Associated  | **Clostridium** **Difficile**  | 1-3 Days | Antibiotics usepatient🡪 patient | Bloody diarrhea Toxin A and B | Toxin detection PCR | Metronidazole +/- Vancomycin |