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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cryptosporidium** | **Entamoeba histolytica** | **Vibrio Cholera** | **Enterotoxigenic E.coli** | **Enterohemorrhagic E. coli** | **Shigella** | **Salmonella** | **Campylobacter jejuni**  **Organisms that cause acute gastroenteritis** | **Calicivirus** | **Rota virus** | **Organism** |
| Watery diarrhea | often bloody and mucus May start watery diarrhea | Watery diarrhea | Watery diarrhea | Bloody diarrhea | Bloody diarrhea (initially watery) |  | mild watery diarrhea to bloody diarrhea | Watery | watery | **Diarrhea** |
| 2-10 days | 2-3 days | 1-3 days | 1-3 days | 1-8 days | 1-2 days | 1-3 days | 2-6 days |  | 1-3 days | **I.P** |
|  | 1-4 weeks | 3-7 days | 3-7 days | 5-10 days | 4-7 days | 4-7 days | 2-10 days |  | 4-8 days | **Duration** |
|  | lower abdominal pain | abdominal cramps, fever |  |  | fever, abdominal cramps |  | abdominal cramps, fever |  | Vomiting , fever | **Associated symptoms** |
|  | Examination of stool for cysts and trophozoite | stool culture | stool culture | stool culture | Stool culture |  | routine stool culture | Routine RT-PCR and EM on fresh unpreserved stool samples | Stool immunoassay | **Diagnosis** |
| Supportive, If severe use paromomycin for 7 days For children 1-11 yr, use nitazoxanide for 3 days | Metronidazole and a luminal agent (iodoquinol or diloxanide | oral and IVF, Doxacycline, tetracycline and TMP-SMZ | supportive, if needed use TMP-SMX | Supportive | Antibiotics: Ampicillin, ceftriaxone, TMP-SMZ | Antibiotic is not indicated . if indicated use Ampicillin, gentamycin, TMP-SMS, Ceftriaxone | supportive, in severe cases use erythromycin | Supportive | Supportive | **Treatment** |
|  | Liver abcess, Lung | Severe life threatening dehydration |  | HUS | seizures and neurological, HUS, Rectal prolapse, sepsis |  | Guillain-Barré Syndrome |  |  | **Complication** |
| Severe in immunodeficiency but mild in normal person | may need at least 3 samples |  | Most Common Cause of Traveler diarrhea | Including O157H7, (STEC) | Shiga toxin causes encephalitis | Salmonella that cause diarrhea is non-typable | Most common bacterial , May mimic appendicitis | Vomiting in children , diarrhea in adults | Most common Viral , can be prevented by rota vaccine | **Notes** |

Done by : Noor Daher Alhijjaj ☺