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| **Medical importance** | **Arthropods Transmitting disease** |
| **Malaria**  filariasis (*Wuchereria bancrofti*) | **Anopheles mosquitoes** |
| Filaria of man (*Wuchereria bancrofti*), Rift valley fever, **Encephalitis virus**, yellow fever, D engue fever | ***Culex* mosquitoes** |
| Filaria of man (*Wuchereria bancrofti*), Filaria of dog (*D. Immitis* )Rift valley fever, **Zika virus**, yellow fever, D engue fever | ***Aedes* mosquitoes** |
| **Leishmaniasis**  Coetaneous leishmaniasis as Baghdad boil (***Leishmania tropica***)  visceral leishmaniasis as Kala-azar (***Leishmania donovani****)*  Mucocutaneous leishmaniasis as espundia(***Leishmania brasiliensis***)  Bartonellosis ―Oroya fever or Carrion‘s disease | **Sand flies**  **Sand flies(Genus *Phlepotomus*** (  **Sand flies(Genus *Lutzomyia*** ( |
| Black fly fever  River blindness**( *Onchocerca volvulus*** ( | ***Simulium spp*. (black flies**( |
| ***Loa loa*** worm | ***Chrysops* (Deer fly or Horse fly(** |
| **Disease transmission:**  **Bacteria** (*Vibrio.cholera*, *Streptococci* , *Shigella, Salmonella*, *Escherchia coli* )  **Protozoacysts** (*E. histolytica*, *Giardia*, *Balantidium*)  **Helminth eggs** (*Taenia, Ascaris, Trichuris, Oxyuris,* and *Hymenolepis nana*.)  **Disease causation:** intestinal myiasis, urogenital, aural or traumatic myiasis. | ***Musca domestica*** *(****House fly****)* |
| **Sleeping sickness diseases**  Chronic sleeping sickness (***Trypanosoma gambian***)  Acute sleeping sickness (***Trypanosoma* *rhodesian***) | ***Stomoxys calcitrans*** (**Stable fly**)  **Genus (Glossina*.palpalis***)  **Genus (Glossina*. morsitans***) |
| **Bacterial diseases**  Lyme diseases  Rocky Mountain spotted fever  Tick-borne relapsing fever(Borrelia spp. Bacteria) | **Ticks** |
| **Scabies** or mange-like conditions | **Mites** |
| **Plague** –Bubonic, septicaemic and pneumonic plague(*Yersinia pestis* bacteria)  Murine typhus (*Rickettsia typhi* bacteria)  Cestodes –commonest tapeworm dogs and cats (*D. caninum and H. diminuta*) | **Fleas** |

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