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| **SL NO** | **DISEASE** | **External Manifestation** |
| **VIRAL DISEASES** | | |
|  | White spot Syndrome (WSSV) | * Antennae Cut * Antennule Cut * Red/ pink coloration of chelated legs * Red/Pink colouration of walking legs * Pink colouration of pleopods * Reddening of Uropods * Necrosis of eye stalk * White spot (rosette like) on carapace * Loose shell with space between shell and muscle * Reddening/pinkish appearance of body as a whole * Redness of cephalothorax * Gill necrosis * Darkened Gills |
|  | Infectious Hypodermal and Hematopoietic Necrosis  (IHHNV ) | * Necrosis of antennules tip * Fouling of pleopods * Fouling of uropod * Bent rostrum * Rostrum deformed to one side * Mottled appearance * Fouling of exoskeleton * Darkened body * White spot on epidermis(junction of abdominal plates |
|  | Yellow Head Disease (YHD) | * Red/pink coloration of walking legs * Red/pinkish colouration of body * Colour Bleaching * Yellowing of cephalothorax * Gills turn white /yellow/brown |
|  | Baculo Viral Disease (MBV) | * Fouling of uropod * Exoskeleton turn grey to dark blue black * Localized lesions on exoskeleton * Occasional white spots on exoskeleton * Fouling of whole body * Darkening /discoloration of whole body * Gill fouling |
|  | Hepatopancreatic Parvovirus Disease (HPV) | * Opacity of tail muscle * Fouling of organism as a whole * Darkened body * Gill fouling |
|  | Monodon Slow Growth Syndrome (MSGS) | * Brittle antennae * Bamboo shaped abdomen * White necrotic areas in muscle * Darkening of body as a whole * Bright yellow markings on body |
|  | Infectious Myonecrosis (IMN) | * Reddening of uropod * Reddening of telson * Necrotic telson * Necrotic distal abdominal segment * White abdominal muscle |
|  | White Tail Disease/White Muscle Disease | * Degeneration of Uropod * Degeneration of telson * Discoloration of telson * Opacity of tail muscle * Enlarged abdominal segment * Abdomen turns milky white * Floating moults on water surface |
|  | Taura Syndrome (Red Tail Disease) | * Pink/pale red coloration of pleopods * Reddening of telson * Soft shell * Death during moulting * Melanised cuticular lesions on exoskeleton * Pink/reddening of whole body * Dark coloration of shrimp * Melanisation of cephalothorax |
|  | Abdominal Segment Deformity Disease (ASDD) | * Bent abdominal segments * Opacity of abdominal muscle * Reddening/pinkish colouration of whole body |
|  | Viral Covert Mortality Disease | * White necrotic areas in abdominal muscle * White abdominal muscle * Soft shell |
| **BACTERIAL DISEASES** | | |
|  | Vibriosis | * Antennae cut * Necrotic tip of antennae * Red/pink colouration of chelated legs * Red/pink colouration of walking legs * Erosion of appendages * Pale red pleopods * Eye damage * Eyeball turn brown * Cloudy abdominal musculature * White patches on abdominal muscle * Localized lesions on exoskeleton * Browning/blackening of exoskeleton * Reddening/ pinkish appearance of body * Melanisation of whole body * Luminescence * Melanisation of cephalothorax * White/yellow/brown gills * Reddening of gills |
|  | Loose shell Syndrome | * Pink /discolouration of pleopods * Soft papery /leathery carapace * Spongy abdomen * Loose shell/with space between shell and muscle * Localized lesions on exoskeleton * Blisters on the exoskeleton |
|  | White Gut Disease |  |
|  | AHPND/Early Mortality Syndrome (EMS) | * Loose shell/with space between shell and muscle |
|  | Necrotising Hepatopancreatitis (NHP) | * Loss/Erosion of appendages * Darkened edges of pleopods * Darkened edges of uropods * Flaccid abdominal muscle * Soft shell * Discoloration of whole body |
|  | Running Mortality Syndrome | * Antennae cut * Reddened uropod * White appearance of tail fan * White patches on abdominal muscle * Reddening/pinkish body |
|  | White feces Syndrome |  |
|  | Necrosis of appendages/larval bacterial necrosis | * Antennae tip necrosis * Antennule cut * Loss/erosion of pleopods * Loss/Erosion of uropod |
| **PARASITIC DISEASES** | | |
|  | Hepatopancreatic Microsporidiosis |  |
|  | Protozoan Fouling | * Fuzzy mat like appearance of pleopods * Fuzzy mat like appearance of whole body * Brownish discoloration of shrimp * Fuzzy mat like appearance of gills |
| **FUNGAL DISEASES** | | |
|  | Larval Mycosis | * Outward growth of fungal filaments from body * Colour bleaching/pale appearance |
|  | Black Gill Disease | * Outward growth of fungal filaments from gills * Accumulation of detritus in gills * Black coloration gills |
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