



EXTERNAL SYMPTOMS FOR DIAGNOSING POULTRY DISEASES

BODY

<u>Symptom</u>	<u>Possible Cause</u>
Emaciation...	Off-feed; nutritional deficiencies; lymphoid leukosis ; enteritis ; gizzard impaction; tuberculosis; unknown
Stunted, uneven growth....	Gizzard impaction; bluecomb disease; alfatoxin poisoning ; synovitis; contaminated hatching egg
Swellings...	Ruptured air sac; edema
Twitching, muscular spasm...	Botulism ; infectious bursal disease
Trembling...	Epidemic tremors; encephalitis (brain damage)
Paralysis...	Botulism ; Marek's disease ; arthritis; aflatoxin poisoning ; epidemic tremor
Dehydration...	Acute lack of water; coccidiosis ; infectious bursal disease ; nutritional imbalance-dietary salts
Nervousness...	Hysteria; drug intoxication; Newcastle ; fungus infection
Lying on breast, legs paralyzed...	Algae poisoning; acute lack of water; yellow jasmine poisoning; botulism ; drug toxicity

FEATHERS

<u>Symptom</u>	<u>Possible Cause</u>
Moist under wing...	Infectious coryza
Loss of...	Molting
Deposits at base of shafts...	Lice or mite eggs
Soiled hackle feathers...	Infectious coryza , eye infection
Feathers picked...	Lice ; nutritional deficiency-methionine; birds not debeaked
Depigmented...	Nutritional deficiencies-lysine, iron or folic acid
Broken on upper thigh...	Self picking
Feather eating...	Nutritional deficiency-methionine



Skin

<u>Symptom</u>	<u>Possible Cause</u>
Pigmentation excessive ...	Poor production; high pigment intake
Nodules, mainly legs...	Marek's disease
Nodules over vent...	Flukes (rare)
Moist, necrotic, edematous...	Necrotic dermatitis, exudative diathesis
Darkened, purplish...	Erysipelas ; fowl cholera
Crusted areas...	Erysipelas ; scab; gangrenous dermatitis
Scabby hip...	Self picking, inflicted by other birds
Gangrenous, green...	Hemorrhage; arthritis; gangrenous dermatitis
Vent irritated...	Northern fowl mite ; lice (occasionally)
Pale...	Anemia; nutritional deficiencies-iron, copper, or vitamin B ₁₂

Head

<u>Symptom</u>	<u>Possible Cause</u>
Swollen, puffy...	Ruptured air sac; infectious coryza ; injury; Newcastle disease

Comb

<u>Symptom</u>	<u>Possible Cause</u>
Mottled, red and white margins...	Frozen
Eruptions, nodules...	Fowl pox
White, scaly, powdery...	Favus

Eyes

<u>Symptom</u>	<u>Possible Cause</u>
Watery...	Infectious coryza
Blindness...	Fowl pox ; aspergillosis ; Arizona paracolon; paratyphoid
Watery, red, inflamed, closed...	Laryngotracheitis; ammonia burn; Newcastle disease ; nutritional deficiency-vitamin A
Cataracts...	Epidemic tremor
Crusts on eye lids...	Nutritional deficiency-vitamin A; fowl pox
Pupil irregular, blindness...	Marek's disease
Blood in eye...	Hemorrhagic anemia
Large, swollen...	Mycoplasma infection



Face

<u>Symptom</u>	<u>Possible Cause</u>
Swollen...	Infectious coryza ; Newcastle disease ; nutritional deficiency-vitamin A; E. coli
Darkened, purplish...	Erysipelas ; fowl cholera ; septicemia; injury
Nodules...	Fowl pox

Nostrils

<u>Symptom</u>	<u>Possible Cause</u>
Discharge...	Infectious coryza ; chronic respiratory disease; infectious bronchitis ; influenza

Mouth

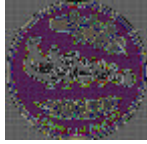
<u>Symptom</u>	<u>Possible Cause</u>
Pustules...	Nutritional deficiency-vitamin A
Crusts at margins...	Nutritional deficiencies-pantothenic acid or biotin
Beak soft, rubbery...	Nutritional deficiencies-vitamin D or calcium-phosphorus imbalances
White coat over tongue and in mouth...	Wet form of fowl pox
Ulcers...	Mycotoxins ; chemical injury

Wattles

<u>Symptom</u>	<u>Possible Cause</u>
Swollen, bulbous...	Infectious coryza ; fowl cholera
Nodules...	Fowl pox

Neck

<u>Symptom</u>	<u>Possible Cause</u>
Paralysis (limber neck)...	Botulism ; yellow jasmine poisoning
Twisting...	Newcastle disease ; fowl cholera ; brain infection; improper injection of Marek's vaccine
Retracted over back...	Newcastle disease ; nutritional deficiency-thiamin
Retracted under breast...	Nutritional deficiency-vitamin E; Newcastle disease
Scabby necrotic areas...	Improper injection of drugs; other injury



Legs

<u>Symptom</u>	<u>Possible Cause</u>
Paralysis...	Marek's disease ; botulism ; heat stroke; epidemic tremor; cage layer fatigue; vitamin E deficiency; algae poisoning; yellow jasmine poisoning; acute lack of water
Rough, scaly...	Fowl pox ; scaly leg mite
Bowed, weak...	Nutritional deficiency-vitamin D; osteodystrophy
Bone bends...	Nutritional deficiency-vitamin D
Joint swelling...	Infectious synovitis; paratyphoid; pullorum ; zinc deficiency; staphylococcosis; tenosynovitis; arthritis
Tendon at hock displaced...	Perosis (nutritional deficiency-manganese or choline)
Stilted gait...	Tenosynovitis
Shank depigmented...	Nutritional deficiency-vitamin A; coccidiosis ; any low grade slow disease (for any length of time)
Toes twisted...	Genetic

Feet

<u>Symptom</u>	<u>Possible Cause</u>
Joints fixed...	Tenosynovitis
Swollen foot pad...	Infectious synovitis; bumblefoot
Toes curled...	Nutritional deficiency-riboflavin; genetic; management deficiency
Foot pad cracked, dermatitis...	Nutritional deficiency-biotin or pantothenic acid; management deficiency
Bird walks on toes...	Tenosynovitis
Toes twisted...	Genetic

Droppings

<u>Symptom</u>	<u>Possible Cause</u>
Profuse...	Enteritis ; excess roughage in diet
Bloody...	Cecal coccidiosis ; Newcastle disease
Green...	Feed intake low; bile not diluted
Sulfur yellow...	Blackhead
Light yellow or yellowish-green...	Fowl typhoid; fowl cholera
Foamy...	Intestinal parasites (protozoa)



Egg Production

<u>Symptom</u>	<u>Possible Cause</u>
Sudden severe drop ...	Newcastle disease ; infectious bronchitis ; laryngotracheitis; influenza-A, mycotoxin , mismanagement (no lights, feed, or water)
Unsatisfactory...	Infectious coryza ; fowl cholera ; chronic respiratory diseases; diet deficiencies; gizzard impaction; fowl pox ; hepatitis; lice ; mites ; ascarids ; capillaria ; lymphoid leukosis ; coccidiosis ; enteritis ; pullorum ; fowl typhoid; aflatoxicosis ; adenovirus infection; toxins
Egg wrinkled, depigmented...	Necrotic enteritis; infectious bronchitis
Production pause...	Epidemic tremor
Poor shell quality...	Newcastle disease ; infectious bronchitis ; adenovirus infection; diet deficiency; T-2 fusariotoxin

Death

<u>Symptom</u>	<u>Possible Cause</u>
Instant, few or no prior signs...	Aortic rupture; acute lack of water; fowl cholera ; overheated, fatty liver hemorrhagic syndrome
High mortality-producing diseases...	Fowl cholera ; erysipelas ; exotic Newcastle disease ; acute coccidiosis ; aflatoxin ; botulism ; poison; fatty liver hemorrhagic syndrome
