



Tikrit University  
College of Veterinary Medicine

## ***Poultry diseases Lab\_***

Subject name: Poultry diseases

Subject year: 2025-2026

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SCAN ME

Lecturers link



# **Practical of Poultry diseases**

**4<sup>th</sup> stage/ Vet. Med.**



# **Mycotoxiosis**



**Organ:** Chicken liver

**Lesions:** Liver enlargement with Fatty structure

**Diagnosis:** Aflatoxin (*Aspergillus flaves.*)



**Organ:** Chicken heart

**Lesions:** Pericardium is distended with filled by clear fluid

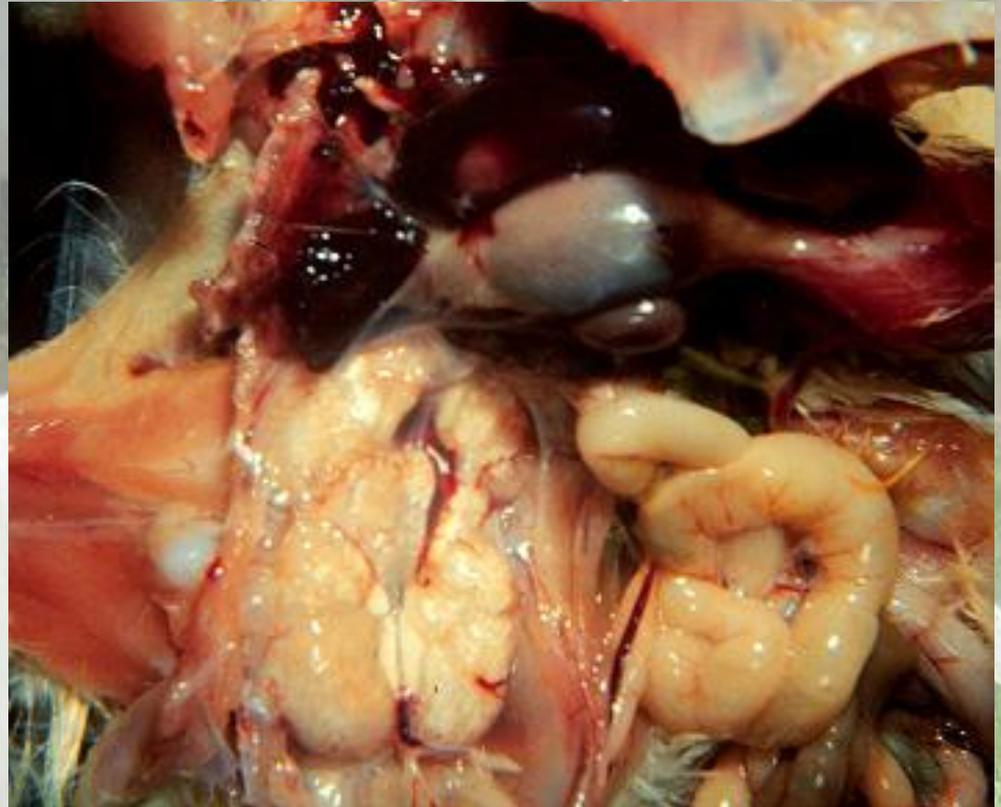
**Diagnosis:** Aflatoxin (*Aspergillus flaves.*)



**Organ:** Chicken abdomen

**Lesions:** Present the fluid accumulation in abdominal cavity: so-called “water belly”

**Diagnosis:** Aflatoxin (*Aspergillus flavus*.)



**Organ:** Chicken viscera

**Lesions:** Kidney and intestine are congested with pale color

**Diagnosis:** Ochratoxicosis (*Aspergillus ochraceus*)



**Organ:** Chicken head

**Clinical signs:** Present the yellow cheesy substance at the commissures of the mouth, on the hard palate adjacent to the beak and on the dorsal surface of the tongue

**Diagnosis:** Trichothecenes (*Trichoderma polysporum*)



Dr. Jaime Ruiz

**Organ:** Chicken head

**Clinical signs:** Thick crusts accumulate along the interior margin of the Oral.

**Diagnosis:** Trichothecenes (*Trichoderma polysporum*)



**Organ:** Chicken Kidney

**Lesions:** Enlarged with pale the Kidneys

**Diagnosis:** Trichothecenes (*Trichoderma polysporum*)

# Gout

## A. Visceral Gout

**Organ:** Chicken viscera

**Lesions:** Deposition of uric acid crystals on visceral organs like kidney, liver, heart and gut.

**Diagnosis:** Gout (Visceral gout)



# B-Articular Gout



**Organ:** Chicken legs

**Lesions:** Articular gout results from the deposition of uric acid crystals in the synovial fluid and synovial membranes, resulting in joint inflammation

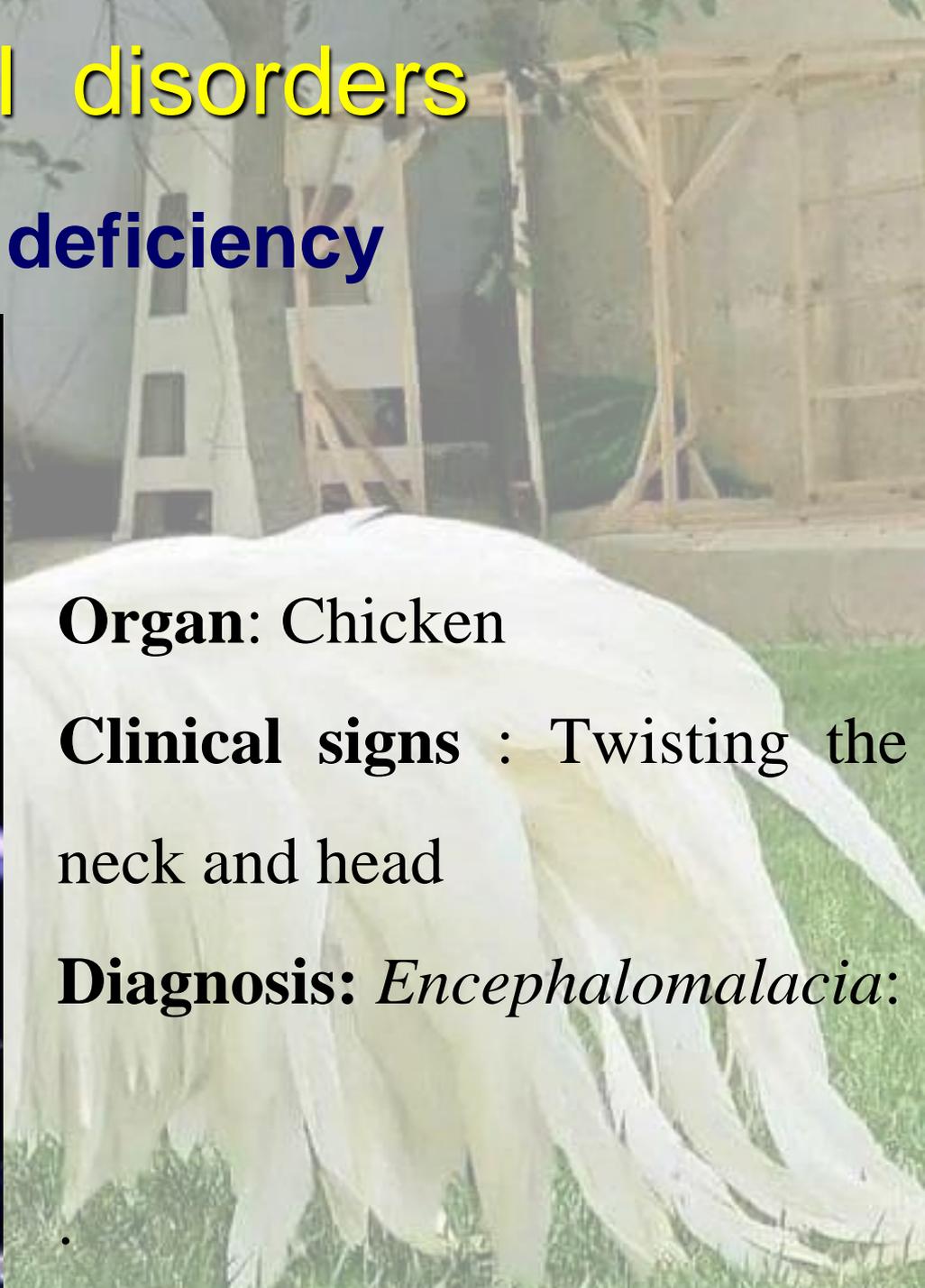
**Diagnosis:** Gout (Articular gout)

# Nutritional disorders

## Vitamin E deficiency



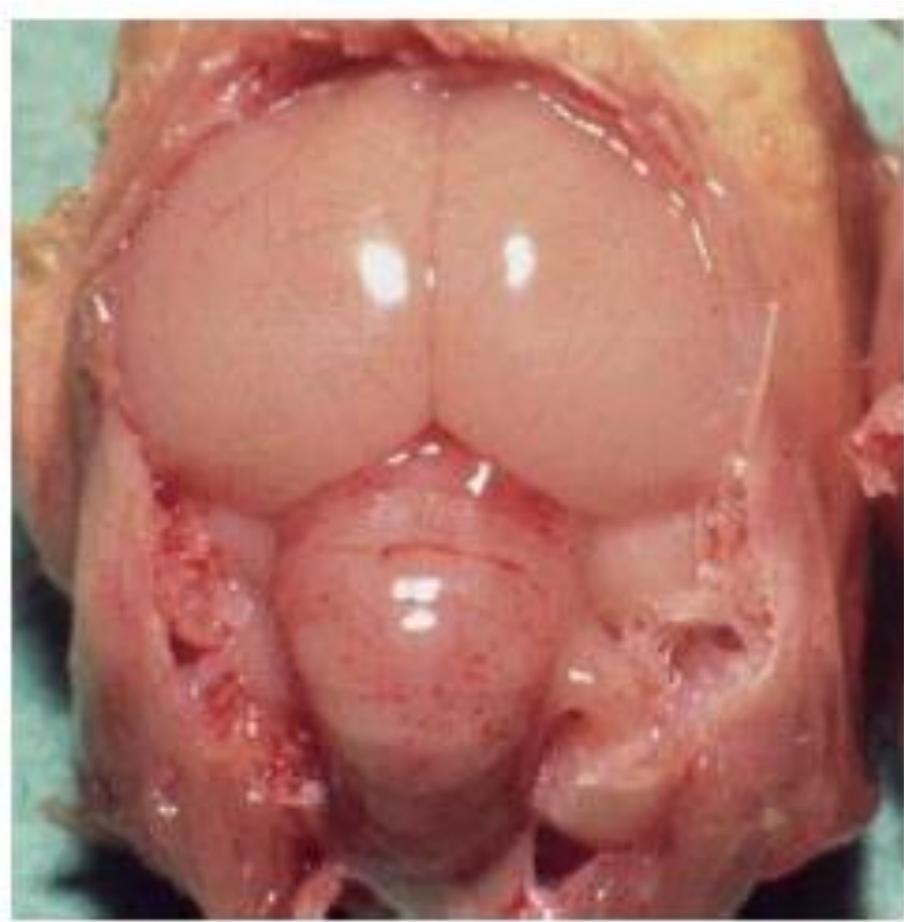
Cornell University



**Organ:** Chicken

**Clinical signs :** Twisting the neck and head

**Diagnosis:** *Encephalomalacia:*



**Organ:** Head of Chicken

**Lesions :** Minute hemorrhages are often visible on the surface of the cerebellum. The convolutions are flattened.

**Diagnosis:** *Encephalomalacia:*

# Vitamin D3 (Cholecalciferol) deficiency:



**Organ:** Chicken

**Clinical signs :** Legs weakness, hens show a characteristic posture that has been described as a “penguin-type squat.”

**Diagnosis:** *Vitamin D3 def.*



**Organ:** Chicken

**Clinical signs :** Beak become very soft and pliable.

**Diagnosis:** *Vitamin D3 def.*



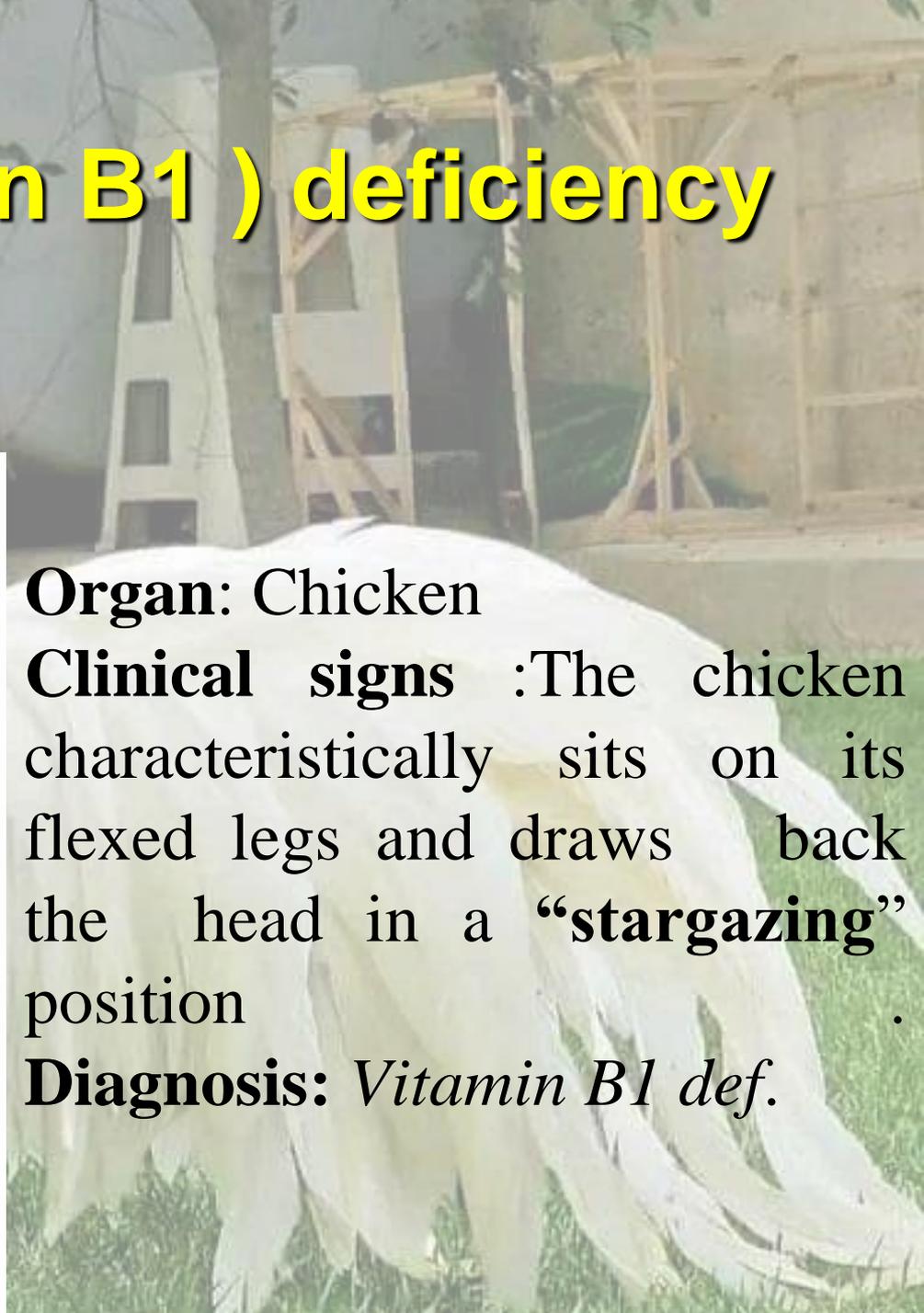
# Thiamin (Vitamin B1 ) deficiency



**Organ:** Chicken

**Clinical signs :** The chicken characteristically sits on its flexed legs and draws back the head in a “stargazing” position .

**Diagnosis:** *Vitamin B1 def.*



# Riboflavin or (Vitamin B2) or (Curly Toe Disease)



**Organ:** Chicken

**Clinical signs:** Curled-toe paralysis

**Diagnosis:** *Vitamin B2 def.*



A white chicken is the central focus, standing on a green lawn. The background shows a building under construction with wooden scaffolding. The image is overlaid with a semi-transparent white box containing text. The text is in Arabic and English, expressing gratitude for listening.

شكراً لإصغائكم  
Thanks for your Listening