

## 1. Fowl Typhoid :

Fowl typhoid hi a natna thlentu chu bacteria *Salmonella gallinarum* ani. Ar bakah sai ar (turkey) ten an kai awlsam bik a. Tin, vahmim, varak, vahrit, ar awn bakah vavu te pawn an kai ve thei bawk.

### A natna kaidarh dan:

Fowl typhoid hi arpui a hri kaiin a tuiah kaichhawngin a note alo keuin a kai nghal thei a. Tin a hri kaiin an ek emaw ar thi atang mai bakah thawmhaw, pheikhaw leh bungrua atang te in a natna ar dangah akai darh thei bawk. Ar puitlingah a natna hi a tam mai bakah thihna emaw ar hrisel lo leh thang thalo a thlen nasa hle.

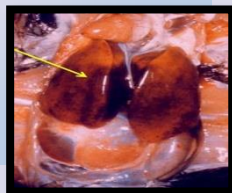
### A natna lanchhuah dan:

Ar upa lamah an chhuang sawngte leh dang, ti ro/taksa a tuiril lam tlachham (dehydrate), hmul pawr, kawthalo, tui tlem/tlahniam mai bakah thihna a thlen thin. Ar te/la naupangah chau, nguai, chaw eiduh lo, hmul pawr, thangtha lo leh mawng berh.



### Post mortem a landan:

- ✓ Thin lian, ro leh durh pheuh pheuh leh bronze rawng
- ✓ La leh kal vung
- ✓ Thisen tlachham/dang



### A enkawl dan (treatment):

Fowl typhoid natna kai tawh te chu enkawl dam a tha ber kher lo. A chhan chu an dam hnuah pawh a natna theh darh theitu an nih avangin. A natna kaite chu lak hran a, tihral hnuah an In leh a vel leh bungrua zawng zawng, tui inna leh chaw eina te damdawi hamngin tihfai vek tur ani. A enkawl nan antibiotic amoxycillin, floroquinolones leh potentiated sulphonamides te a hman theih.

### A ven dan:

Ar In leh avel tih thianghlim, Ar In bul velah midang, ran dang kal tir loh, arte hriseltha chauh lakluh, chaw leh tui thianghlim chauh pek, ar damlo chu lakhran vat a, a damtha lai te nen a dah dun loh tur. Ram changkangah chuan a hri venna vaccine an nei a, kan ramah erawh kan la nei ve rih lo.

## 2. Fowl Cholera:

Fowl cholera hi a natna thlentu chu bacteria *Pasteuralla multocoda* ani. Ar note lam aiin a upa lamin an thihpui nasa. Taksa a natna hrik a luh a, a natna alo lanchhuah hun (incubation period) hi ni 5-8 a ni. A natna hi Ar vulh chi hrang hrang bakah sava te thlengin an kai thei ani.

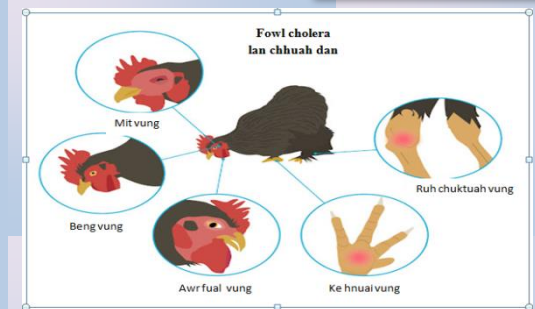
### A natna kaidarh dan:

- ✓ Ka leh hnar atangin natna hrik lut
- ✓ Hnap tui, ek, lei, bungrua leh mihring atangin a inkai darh thei.
- ✓ Leiah rei tak an dam thei

### A natna lanchhuah dan:

- ✓ Hmul pawr chip chep

- ✓ Chaw ei duh lo
- ✓ Kawthalo
- ✓ Khuh, mit ek tam, hnar tui leh ka atanga thil tui chhuak
- ✓ Hmai leh awrfual vung
- ✓ Ruh chuktuah leh kehnuai vung
- ✓ Ke bai
- ✓ Thi thut
- ✓ Thawk rang
- ✓ Nghawng kawi/inkual



### Post mortem a landan:

- ✓ La leh Thin lian
- ✓ Sai Ar ah chuap hmin/senno rawng
- ✓ Artui chhungmu tuamtu natna
- ✓ Ril pan



### A enkawl dan (treatment):

Fowl cholera enkawl nan heng antibiotic te hi a hman theih a - sulphonamides, tetracyclines, erythromycin, streptomycin, penicillin. Amaherawhchu a natna hi damdawi pek tawh loh hnuah a rawn awm nawn leh duh avangin a damdawi hi rei deuh hlek pek angai thin.

### A ven dan:

Ar In leh avel tih thianghlim, Ar In bul velah midang, ran dang kal tir loh, arte hriseltha chauh lakluh, chaw leh tui thianghlim chauh pek, ar damlo chu lakhran vat a, a damtha lai te nen a dah dun loh tur. Sazu chi reng reng, sava te, ui leh zawh te te Ar in bul leh avel a kal lo turin khuahkhirh (control) tur. Hri venna vaccine ar kar 6 a upa annih in pek tur (live attenuated vaccine).

### 3. Colibacillosis:

A natna thlen tu natna hrik (bacteria) hi *Escherichia coli* ani. Ar, sai ar bakah ar leh sava chi deuh zawng zawngin an vei thei.

### A natna kaidarh dan:

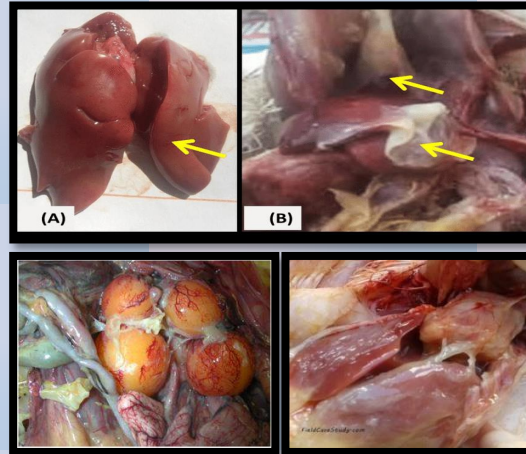
*E. coli* hi ar pumpui leh ril bawr velah an awm a, an ek ah an in semdarh nasa hle. Chuvangin ar damlo atange, tui, bungrua/thawmhnaw, vaivut, artui keu, Ar In leh a chhehvel ar ek in a tihbawlhhlawh avanga inkaidarh ani ber. He natna hian ar ah thihna tamtak a thlen mai bakah an than a tithu a, artui chi ah an tui a tih tlem phah bawk avangin a vulh tu te tan hlohna nasa tak a thlen thin.

### A natna lanchhuah dan:

- ✓ Kawthalo
- ✓ Thisena natna hrik lut (septicaemia)
- ✓ Chau, nguai, chaw eiduh lo, che peihlo
- ✓ Thawkna dawt lam natna chi hrang hrang
- ✓ Lai natna (omphalitis)
- ✓ La leh thin lian bakah taksa a tui tling
- ✓ Lung leh thin tuamtu natana

### Post mortem a landan:

- A. Ar thin hrisel tha lai
- B. A natna vei thin



### A enkawl dan (treatment):

Antibiotic: Amoxycillin, ampicillin, chloramphenicol, chlortetracyclin, gentamicin, suphonamides, ciprofloxacin etc

### A ven dan:

A venna thaber chu Ar In leh avel vawn thianghlim a ni.



## BACTERIA IN A THLEN AR NATNA TLANGLAWN TE



Prepared by:

**Dr. Lalthazuali**  
**SMS (Animal Science)**  
**Krishi Vigyan Kendra**  
**Lawngtlai District, Lawngtlai**  
**Mizoram-796891**