

## " THE BLUE EYE SYNDROME " SINDROME DEL OJO AZUL.

E. CAMPOS M.\* AND E. CALDERON, S. SOLORIO.  
FISIOPATOLOGIA DE CERDOS LA PIEDAD, MICHOACAN.  
PEDRO CHAVOLLA 121-1 LA PIEDAD, MICHOACAN MEXICO.

THIS IS A DISEASE THAT HAVE PRESENTED SYMPTOMS VERY SLOWLY ALONG 2.5 YEARS AGO MORE OR LESS AND IT DEVELOPMENT IS GROWING ACCORDING WITH THE ERA THAT WE ARE LIVING RIGHT NOW IN ---- WHICH THE ATMOSPHERE AND FEED ARE VERY CONTAMINATE WITH CHEMICAL PRODUCTS AND OTHER -- SEVERAL KIND OF PRODUCTS.

THE ANIMAL AFFECTED ARE NEW BORN PIGS, BABY-PIGS, SOWS, BOARS, AND HOGS ANY AGE.

## SYMPTOMS:

THE FIRST SYMPTOM WE NOTE IS OPAQUE AND ALSO A PART ONE OF THE EYES TAKES A BLUE COLOR---- (SIMILAR TURQUOISE), THIS GENERALLY AFFECTS-- ONLY ONE EYE, BUT OCCASIONALLY FEW TIMES ---- AFFECTS THE TWO EYES APPEARING WEEPING AND -- BLINDNESS IN BOTH EYES.

THIS DISEASE PRESENT MORBILITY OF APPROXIMATELY BETWEEN 30% TO 40%, AN ALOW MORTALITY OF ABOUT A 1% OR LESS. THIS AFFECTION PREDISPOSE AT THE HOGS TO HAVE ANOTHER KIND OF INFECTION FOR EXAMPLE ( HOG CHOLERA, PNEUMONIA).

THE LESIONS WE FOUND DURING THE NECROPSY --- ARE THE FOLLOWING: THE DAMAGES ARE PRINCIPALLY OR BASICLY IN EYE, WE WATCH A LITTLE ---- THICKEN AND OPAQUE OF THE AFFECTED CORNEA, -- WHEN IT IS COMPARED WITH THE CORNEA OF THE -- OTHER EYE. WHEN WE LOOK THE LIVER IT APPEARS VERY AFFECTED AS, CHANGING COLOR AS YELLOW-OCRE COLOR, AND SWOLLEN CIRRHOSIS.

MICROSCOPY PATOLOGY: LIVER WITH FOCAL CIRRHOSIS (HEPATODISTROPHIC ).

EYE: IT HAS NO MICROSCOPY CHANGE IN THE STRUCTURE OF EYE ( THE CORNEA IS TRANSPARENT).

DIAGNOSE: HEPATODISTROPHIC, PROBABLY CHEMICAL AGENTS INTOXICATION.

WE MADE LABORATORY TEST WITH THE ELEMENTS -- OF THE FEED (BIOLOGICAL TEST AND TOXICOLOGY--CAL TEST).

## TOXICOLOGICAL TEST:

CHEMICAL ANALYSIS APPLIED TO SAMPLES OF ---- SORGUM, SOY BEAN, MILK, FISH FLOUR AND PURINA -- CHOW, (WITNESS).

RESULTS: SORGUM: FROM 4 P.M. OF INSECTICIDES BIOLOGICAL TEST:

5 GROUPS WITH 5 MICE EACH ONE.

1.- SOY BEAN, 2.- SORGUM, 3.- MILK, 4.- FISH --- FLOUR, 5.- PURINA CHOW (WITNESS). TIME EMPLOYED FOUR WEEKS.

RESULTS: GROUP 1.- 2 MICE DEAD- LIVER DISTROPHIC.

GROUP 2.- 4 MICE DEAD - LIVER DISTROPHIC.

GROUP 3.- 5 MICE ALIVE.

GROUP 4.- 2 MICE DEAD - CLOSTRIDIUM.

GROUP 5.- 5 MICE ALIVE.

TREATMENT: THE LIVER HAS BEEN THE MORE AFFECTED ORGAN, THE TREATMENT SHOULD BE REALIZED -- WITH THE LIVER PROTECTORS (COMPLEX B VITAMINS SPECIALLY MENTIONED RIBOFLAVINE, TIAMINE, --- NIACINE, NICOTINAMIDE, & FOLIC ACID, GIVEN IN -- THE FEED. IN INDIVIDUAL TREATMENT IT MUST BE INJECTED THE ANIMAL AFFECTED WITH LIVER EX---TRACT AND COMPLEX B VITAMINS, (DIAMINO-SYNTAX) WITH THIS TREATMENT WE GET SATISFACTORY RE---SULTS, BECAUSE THE HOGS WE TREATED THE AFFECTED EYE HAS RETURNED TO IT NORMAL CONDITION.

## CONCLUSIONS:

WITH THIS RESULTS WE CAN SAY : THE ETIOLOGY IT WAS FOR PESTICIDES OR SOLVENTS ORGANOCHEMICALS IN THE SEEDS AND OIL SEEDS OBTAIN VEGETABLE OIL FROM CHEMICAL PROCESS.

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