D-19 SECTION D

EFFICACY OF HUMAN CHORIONIC GONADOTROFIR (NCG) AND CHUOF PITUETARY EXTRACT OF FISH AND FROM IN DOCYTE MATURATION AND OVULATION IN AFRICAN CATVISHES, CLARIAS SANLEPINUS BURCHELL, 1822 AND CLARIAS ANGUILLARIS LINNAEUS, 1762.

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The recorded successes in induced breeding of African Clarias we not repeatable when attempted elsewhere as the variable parameters affecting the success have not been defined. One of such parameters is the dosage of the inducing agent required. This study was undertaken to establish the efficacy and total dose of Numan Charles Consideropin and crude pituitary extract of Clarias albeguages and Pana slegans required to induce maturation and ovulation in Clarias parterious and Clarias angultieris.

After recording the initial mean occyle diameter of each female low doses of each horsone were administered intranuscularly at 3% hours intervals until evutation occurred. Ovulated eggs were stripped are fertilized artificially. Duncan's multiple range test was used to test any significant difference in percentage hatching in relation to different horsones used.

There was no significant difference (p:0.03) between the mean values of percentage hatching resulting from the administration of different hormones in both species of <u>Clariss</u>. The cumulative specific dose of each hormone required to induce final maturation and evulation was inversely proportional to the initial mean pocyte diameter in both species of <u>Clariss</u>. The regression equations obtained in this study could be used to estimate the minimum amount of hormone required to induce evulation in <u>C. estimate</u> and in <u>C. ensuillaris</u> with known mean cocyte diameter.

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