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Service (sector) Retina and Vitreous N° CEP

## **PERINATAL CORTICOSTEROID THERAPY AND RETINOPATHY OF PREMATURITY**

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**Purpose:** To analyze the correlation between perinatal glucocorticoid therapy and retinopathy of prematurity.

**Methods:** Retrospective study. Premature infants born at Hospital São Paulo had their chart reviewed . Data regarding mother's age, gestacional age, infant sex and weight, use of glucocorticoid prior to the deliver and age of the infant by the first out patient visit were recorded.

**Results:** Twenty four patients had their charts reviewed. The mean mother's age was 28,26 years . Eleven patients were male and thirteen were female; seventeen were born through cesarean delivery and seven through normal delivery. The mean gestational age was 31,88 and 18 mothers had received glucocorticoids before the delivery. The mean weight was 1556,95 g and the mean age was 46,68 days by the first ambulatory visit. Retinopathy of prematurity was observed in 29% of the infants.

**Conclusion:** Unlike other reports neither a predisposing nor a protective effect for ROP were identified in mothers that received glucocorticoid therapy prior to the delivery. Prospective studies are warranted.