Mitosis in peripheral blood in prematurity

JAIME FERRER-CAÑABATE,* Mª ROSA ROS-BULLÓN,* Mª JULIANA MAJADO-MARTÍNEZ°
Departments of *Clinical Analysis and °Hematology, Hospital Universitario Virgen de la Arrixaca, Murcia, Spain

Peripheral blood smears showing erythroblast mitosis in different phases from a premature 32-week gestation neonate from a triplet gestation after ovulation induction and in vitro fertilization, with extremely low birth weight (590 g).

Hemogram’s relevant scores: WBC 34.8x10⁹/L and RBC 3.5x10¹²/L. Erythroblasts, 47% of the nucleated cells, were observed in different maturative stages.

Artificial fertilization techniques result in a major increase in multifetal gestations¹, with an increased risk of prematurity, extremely low birth weight and physiologic erythroblastosys.

References