To analyze the prevalence of pregnancy factors on the incidence of symmetrical or head circumference >10th % (asymmetrical).

Inclusion Criteria: All gestational age ≥30 weeks gestation, born at UnityPoint Meriter Hospital NICU, 93% inborn, from data within all groups (AGA, SGA<10th %, SGA 10-5th %, and SGA ≥5th %). Any complication was lower or trended lower in SGA groups. Maternal HTN was more common in SGA. The SGA cohort had less complications related to pulmonary function, although antenatal steroid use was lower, ventilation support, RDS & surfactant administration was also lower in SGA ≤5th group. Despite most literature supporting worse outcomes than AGA neonates, medical outcomes in NICU neonates ≥30 weeks gestation measuring SGA were generally not worse. Study was limited by its retrospective nature, but is a representative sampling. It is important for clinicians to recognize risks for SGA & counsel families about short-term outcomes in in contemporary practice.

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