

17TH AMERICAN PEDIATRICS HEALTHCARE & INFECTIOUS DISEASES CONGRESS

&
17th Annual World Congress on **NEONATOLOGY** June 27-28, 2018 | Vancouver, Canada



Marie Claude Fadous Khalife

Holy Spirit University of Kaslik, Lebanon

Comparative study between fenton and intergrowth charts in premature babies

Introduction: Different charts are used to assess premature growth. Fenton chart which is based on prenatal growth was used in our newborns intensive care unit to assess premature newborns' development. Intergrowth21 is a new multidisciplinary, multiethnic growth chart better adapted to premature growth. Our objective was to compare both charts Fenton and Intergrowth21 in order to implement Intergrowth in our unit.

Materials and Methods: We analyzed 318 files of premature babies born who were admitted to the NICU from 2010 till 2017. Anthropometric data (weight, height and head circumference) converted to percentile was filled on both charts from birth till 6 months of age. These values were compared by Paired T-test.

Results: We obtained a significant result in favor of Intergrowth 21 with a p value= 0,000 at different timings. Only at 3 months, charts showed no more significant differences with $p>0.05$.

Conclusion: Our study represented an additional proof that premature newborn growth is underestimated by the old growth charts. It also showed similar results to the classic charts. Pediatricians can fill their own curve starting 3 months.

Biography

Marie Claude Fadous Khalife, graduated in 1989, Pediatrics, Neonatology, Master in Biochemistry, Associate Professor Holy Spirit university of Kaslik, Pediatrics coordinator, Chief of Pediatrics Department, University hospital, Notre Dame Des Secours, Lebanon.

mclaude454@hotmail.com

Notes: