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To evaluate the diameter of the placental blood vessels and its relation with the blood supply of the full term newborn

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ABSTRACT

Introduction: The placenta is a poorly studied human organ and *Correspondence to Author: one of the most important for the health of the woman and her Filizola, M. C. fetus. The study of the placental phenotype opens the way to the Estudante do Curso de Medicina identification of the cause of fetal death, being the progress of da Universidade Federal de Perpregnancy dependent on the establishment and maintenance of nambuco - UFPE an efficient uteroplacental vascular system. Objectives: To evaluate the diameter of the placental blood vessels and its relation with the blood supply of the full term newborn. Methodology: A How to cite this article: total of 111 full-term placenta were analyzed from fragments col- Filizola, M. C., Oliveira, N. B., Sanlected in Recife-PE maternity hospitals. Statistical analysis was tos, D. F., Silva, W. M. V., Vieira, M. performed by SPSS software (version 8.0). Results: There was R. C., Anjos, F. B.To evaluate the a significant difference (p <0.05) between placentas studied. The diameter of the placental blood vesfetal capillaries in the mothers with comorbidities showed infiltra- sels and its relation with the blood tion of the trophoblast, dilated vessel wall and increased vessel supply of the full term newborn. lumen. There was a loss of tunica intima of the vascular wall, American Journal of Forensic Retending to degeneration, and in conjunction between tissues of search and Reviews, 2018,1:1. the placenta of diabetic mothers, mothers with STI and with hypertension. As a consequence, we identified calcifications and infarct areas in the placentas collected. Conclusion: The literature correlating the diameter of placental vessels with fetal blood supply is still incipient. Our study demonstrated that the associated eSciPub LLC, Houston, TX USA. ed comorbidities of the mother can negatively affect the integrity Website: http://escipub.com/ of the placenta, through vascular disorders.

Keywords: Placenta; Placental Circulation; Comorbidity; Histology

