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## The influence of labour duration

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**Introduction:** Several studies have found increased duration to be associated with increased risk of maternal morbidity primarily hemorrhage, fever or infection, and perineal trauma. The aim is to discuss the effect of prolonged second stage of labor on maternal and neonatal outcomes.

**Material and Methods:** This study was conducted between 2017 and June 2018 in Gynecological Obstetric University Hospital "Koço Gliozheni". A total of 96 primiparas with the length of second stage of labor longer than 2h were selected and pregnant women with the length less than 2h served as control. The maternal and neonatal outcomes of two groups were observed and compared. Almost half of puerperas (50 cases) with the length of second stage of labor longer than 2h underwent vaginal delivery.

**Results:** A total of 65% with the length of second stage of labor between 120 min and 180 min, 35% between 181 min and 240 min and 10% longer than 241 min underwent vaginal delivery. The longer the length of second stage of labor was, the lower was score of Apgar scale for infants in 1 min ( $p<0.01$ ), and the higher the incidence of asphyxia ( $p<0.01$ ). But there was no difference in scale in 5 min ( $p=0.2$ ). As second stage of labor prolonged, the incidences of cesarean section and of postpartum hemorrhage increased.

**Conclusions:** The prolonged second stage of labor can decrease the score of Apgar scale in 1 min, increase the incidence of asphyxia, but has no effect on scale in 5 min. It still need more evidence from evidence medicine to definition of time and treatment of second stage of labor.

**Keywords:** Duration of active second-stage labor, maternal and neonatal outcome

## Biography

Drita Bujari is a medical doctor, from Tirana, Albania. I have graduated on 1998 from the Faculty of Medicine, University of Tirana, Albania. In 2003 was specialized for four years in obstetric and gynecology and I am working at Gynecological Obstetric University Hospital "Koço Gliozheni" in Tirana. Currently I am doing Phd in obstetrics and gynecology from Tirana University, in Tirana - Albania. I am dedicated to my profession and also I have several publications on this topic.

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