

9th International Conference on

Neonatology and Pediatric Neurology

November 28-30, 2016 Valencia, Spain

Association between preoperative maternal anxiety and neonatal outcomes: A prospective observational study

Tuna Sahin

Adana Numune Training and Research Hospital, Turkey

Objective: Preoperative anxiety can be associated with poor postoperative clinical outcomes. We aimed to assess whether preoperative maternal anxiety level of obstetric patients scheduled for elective cesarean surgery has an effect on clinical outcome of the newborn.

Methods: Sixty (60) pregnant women with ASA physical status 1-2 scheduled for elective cesarean surgery were enrolled. All patients received spinal anesthesia with hyperbaric bupivacaine 12.5 mg. We performed a State-Trait Anxiety Inventory questionnaire to evaluate preoperative maternal anxiety. We used the Apgar scoring system to assess the physical condition of the newborn. Hemodynamic measurements (heart rate, systolic and diastolic blood pressure) were recorded at baseline, skin incision, childbirth, and 10, 15 and 30 minutes after skin incision.

Results: Average preoperative maternal state anxiety score was 41.1 ± 4.6 and trait anxiety score was 50.9 ± 5.7 . Average Apgar scores of newborns were 7.6 ± 0.8 and 9.2 ± 0.6 , at first minute and fifth minute, respectively. We found no significant relationship between the anxiety scores and Apgar scores at first and fifth minute.

Conclusions: We concluded that there was no relationship between preoperative maternal anxiety scores and Apgar scores at the first and fifth minute.

Biography

Tuna Sahin has completed her Medicine from Erciyes University, Faculty of Medicine. She has completed her Post-doctoral studies from Cukurova University, Faculty of Medicine. She is presently working in Adana Numune Training and Research Hospital, as an MD, and Specialist in Anesthesiology and Reanimation at Clinic in Adana, Turkey.

drtunas@hotmail.com

Notes: