Analgesia and sedation during placement of peripherally inserted central catheters in neonates

Abstract:

This study aimed to characterize the analgesia and sedation strategies in neonates having a peripherally inserted central catheter (PICC) placed, and to relate it to the number of venipunctures, duration of procedure and catheter tip position. This was a cross-sectional study with prospective data collection, conducted in a neonatal intensive care unit of a private hospital in the city of São Paulo, during the period from August 31, 2010 to July 1, 2011, which evaluated 254 PICC insertions. The adoption of analgesic or sedative strategies occurred in 88 (34.6%) catheter placements and was not related to the number of venipunctures, duration of procedure or catheter tip position. Intravenous administration of midazolam, in 47 (18.5%), and fentanyl, in 19 (7.3%), catheter insertions were the most frequent strategies. Wider adoption of analgesic strategies is recommended before, during and after the procedure.
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