



To evaluate the incidence of complications related to the use of peripheral intravenous catheter in neonates and identify the associated risk factors” Danski et al (2016).

Abstract:

OBJECTIVE To evaluate the incidence of complications related to the use of peripheral intravenous catheter in neonates and identify the associated risk factors.

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METHOD Prospective cohort study conducted in a Neonatal Intensive Care Unit. Participants were the hospitalized neonates undergoing peripheral intravenous puncture in the period from February to June 2013. **RESULTS** The incidence of complications was 63.15%, being infiltration/extravasation (69.89%), phlebitis (17.84%) and obstruction (12.27%). The risk factors were the presence of infection ($p = 0.0192$) and weight at the puncture day ($p = 0.0093$), type of intermittent infusion associated with continuous infusion ($p < 0.0001$), endotracheal intubation ($p = 0.0008$), infusion of basic plan ($p = 0.0027$), total parenteral nutrition ($P = 0.0002$), blood transfusion associated with other infusions ($p = 0.0003$) and other drugs ($p = 0.0004$). Higher risk of developing complications in the first 48 hours after puncture.

CONCLUSION A high rate of complications related to the use of peripheral intravenous catheter, and risk factors associated with infection, weight, drugs and infused solutions, and type of infusion.

Full Text

Reference:

Danski, M.T., Mingorance, P., Johann, D.A., Vayego, S.A. and Lind, J. (2016) Incidence of local complications and risk factors associated with peripheral intravenous catheter in neonates. *Revista da Escola de Enfermagem da U S P.* 50(1), p.22-8. .

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