



EFFECTIVENESS OF A NEW INTERNAL PROTOCOL FOR DOSAGE OF VANCOMYCIN IN NEONATES

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OBJECTIVES

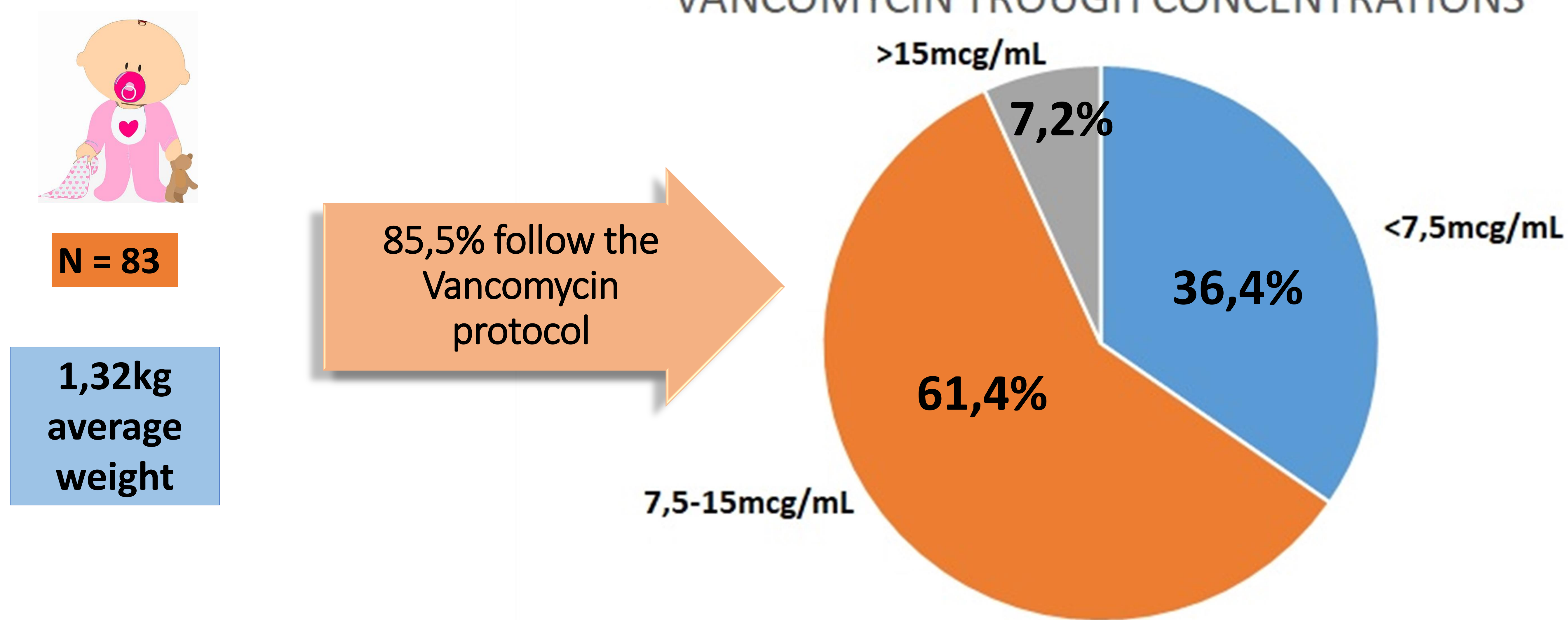
To assess the implementation of a hospital internal protocol for the Vancomycin dosage in neonates and the rate of under- and overdose after the first control of the serum concentrations of Vancomycin.

MATERIAL AND METHODS

A retrospective observational study including all neonates (n=83) who received Vancomycin since April 2016 to September 2019. According to the new protocol the dosage of Vancomycin is based on gestational age, postnatal age and weight. Vancomycin TDM was done before the third dose. For this study we searched a trough concentration between 7.5-15 mcg/mL.

Vancomycin protocol	Gestational age (weeks)	
	<29 weeks	30-36 weeks
Dose and lifetime days		
<14 days	10mg/kg/12h	10mg/kg/8h
>14 days	10mg/kg/8h	12mg/kg/8h

RESULTS



CONCLUSIONS

Most of our patients received the dose of Vancomycin following the protocol, achieving the target concentration in 61% of determinations. After the implementation of the protocol, a minority of patients (7.2%) showed doses higher than the target therapeutic range.