A comprehensive neonatal-paediatric intravenous immunoglobulin (IVIg) treatment plan developed to improve healthcare outcomes for children requiring IVIg infusions at Joondalup Health Campus (JHC), WA

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INTRODUCTION

Children are sometimes over or under prescribed and/or administered IVIg. Dose and rate of IVIg infusions differ according to the individual diagnosis and weight of the child. Increased rate of infusion can lead to major complications

METHODS

The Patient Blood Management team at JHC designed a specific IVIg plan for neonatal and paediatric patients in conjunction with national guidelines on IVIg administration. Expert paediatric advice was also sought and implemented in the plan. This was piloted within the Neonatal and Paediatric Departments in early 2021.

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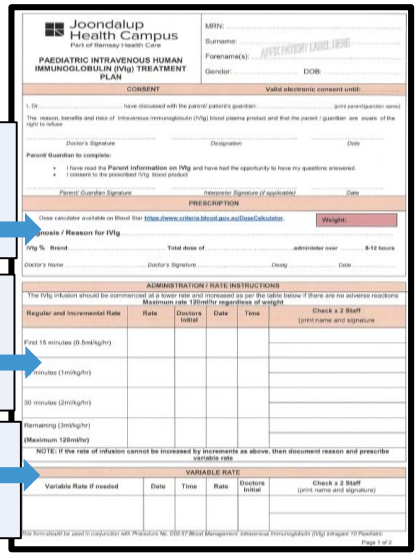
RESULTS

The plan was well received by all staff belonging to the neonatal and paediatric team, who stated the plan was easy to understand and use. Clinician errors in prescribing the correct dose or rate of administration were reduced.

Prescription clearly depicts the total treatment dose and administration time in accordance with the patient weight.

Reduced variable rate can be ordered to account for intolerance of rate and /or to ensure treatment is completed within time frame.

Administration rate clearly depicts incremental rate changes in accordance with hospital policy and recommended guidelines.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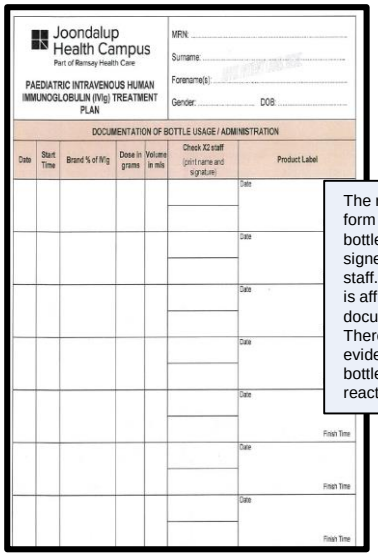
PAEDIATRIC INTRAVENOUS HUMAN IMMUNOGLOBULIN (IVIg) TREATMENT PLAN

CONSENT

PRESCRIPTION

ADMINISTRATION / RATE INSTRUCTIONS

VARIABLE RATE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PAEDIATRIC INTRAVENOUS HUMAN IMMUNOGLOBULIN (IVIg) TREATMENT PLAN

DOCUMENTATION OF BOTTLE USAGE / ADMINISTRATION

The reverse side of the form allows each product bottle to be checked and signed by administering staff. The tracking barcode is affixed to the form to document each bottle. Therefore, there is evidence to show which bottle was in use should a reaction occur.

CONCLUSION

Due to the reduction of errors with it's use, the treatment plan is now standard practice within the Neonatal and Paediatric Units.

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Ramsay Health Care