

Immunoglobulin, human normal – Kiovig®

First-line IVIG for use in CUH is Kiovig®

Kiovig® dosing is weight based; ensure accuracy of documented weight before administration

CAUTION: High Administration Risk Rating

Form	Bottles containing Normal Human Immunoglobulin (IVIg) 100mg/mL : 2.5g in 25mL, 5g in 50mL, 10g in 100mL, 20g in 200mL, 30g in 300mL																																																															
Reconstitution	Already in solution																																																															
Compatibility & Stability	Dilution not generally required but KIOVIG may be diluted with glucose 5% solution to a final concentration of 50 mg/mL (5% immunoglobulin).																																																															
Administration Method	<p>The solution should be clear or slightly opalescent and colourless or pale yellow. Do not use solutions that are cloudy or have deposits.</p> <p>IV Infusion Initial rate 0.5mL/kg per hour for 30 minutes. If the patient tolerates the infusion well, the dose may be increased at 30 minute intervals up to a maximum of 6ml/kg/hour. Use an infusion pump.</p> <p>Infusion rates based on a range of body weights:</p> <table border="1"> <thead> <tr> <th rowspan="2">Prescribed rate in mL/kg/hr</th> <th colspan="7">Patient's weight (kg)</th> </tr> <tr> <th>40</th> <th>50</th> <th>60</th> <th>70</th> <th>80</th> <th>90</th> <th>100</th> </tr> </thead> <tbody> <tr> <td></td> <th colspan="7">Infusion rate in mL/hour</th> </tr> <tr> <th>0.5</th> <td>20</td> <td>25</td> <td>30</td> <td>35</td> <td>40</td> <td>45</td> <td>50</td> </tr> <tr> <th>1</th> <td>40</td> <td>50</td> <td>60</td> <td>70</td> <td>80</td> <td>90</td> <td>100</td> </tr> <tr> <th>2</th> <td>80</td> <td>100</td> <td>120</td> <td>140</td> <td>160</td> <td>180</td> <td>200</td> </tr> <tr> <th>4</th> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td> <td>360</td> <td>400</td> </tr> <tr> <th>6</th> <td>240</td> <td>300</td> <td>360</td> <td>420</td> <td>480</td> <td>540</td> <td>600</td> </tr> </tbody> </table>	Prescribed rate in mL/kg/hr	Patient's weight (kg)							40	50	60	70	80	90	100		Infusion rate in mL/hour							0.5	20	25	30	35	40	45	50	1	40	50	60	70	80	90	100	2	80	100	120	140	160	180	200	4	160	200	240	280	320	360	400	6	240	300	360	420	480	540	600
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Documentation Requirements	This is a blood product, therefore batch and expiry should be recorded in patient's notes.																																																															
Adverse Drug Reactions	Infusion related reactions: <u>In case of adverse reaction, either the rate of administration must be reduced or the infusion stopped.</u>																																																															
Monitoring	<ul style="list-style-type: none"> Monitor BP, heart rate, oxygen saturation, respiratory rate and temperature during initial rate and hourly during infusion. Monitor urine output and serum creatinine levels. 																																																															
Additional Information	<ul style="list-style-type: none"> In all patients, IVIg administration requires: <ul style="list-style-type: none"> - adequate hydration prior to the initiation of the infusion of IVIg - avoidance of concomitant use of loop diuretics Prescriber should round dose down to nearest whole vial size to minimise waste. Refer to Adult Intravenous Immunoglobulin (IVIG) Prescription and Administration Record 																																																															

Information relates to Kiovig® manufactured by Shire.

This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542