

University Hospitals of Derby & Burton NHS Foundation Trust
DRUG MONOGRAPH FOR USE ON ADULT INTENSIVE CARE UNITS

Tocilizumab

Indication	For use in treatment of patients with Covid positive pneumonia admitted to ICU (off-label use)																																		
Presentation	RoActemra 20 mg/mL concentrate for solution for infusion 80mg/4mL, 200mg/10mL, 400mg/20mL vials																																		
Dose	8mg/kg. see does banding table below																																		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Patient Body Weight*</th> <th rowspan="2">Band Dose</th> <th rowspan="2">Volume to withdraw from 100mL Sodium Chloride 0.9% bag</th> </tr> <tr> <th>From ≥</th> <th>To ≤</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">40kg</td> <td colspan="2" style="text-align: center;">8mg/kg rounded to nearest 20mg</td> </tr> <tr> <td style="text-align: center;">41kg</td> <td style="text-align: center;">45kg</td> <td style="text-align: center;">360mg</td> <td style="text-align: center;">18mL</td> </tr> <tr> <td style="text-align: center;">46kg</td> <td style="text-align: center;">55kg</td> <td style="text-align: center;">400mg</td> <td style="text-align: center;">20mL</td> </tr> <tr> <td style="text-align: center;">56kg</td> <td style="text-align: center;">65kg</td> <td style="text-align: center;">480mg</td> <td style="text-align: center;">24mL</td> </tr> <tr> <td style="text-align: center;">66kg</td> <td style="text-align: center;">80kg</td> <td style="text-align: center;">600mg</td> <td style="text-align: center;">30mL</td> </tr> <tr> <td style="text-align: center;">81kg</td> <td style="text-align: center;">90kg</td> <td style="text-align: center;">680mg</td> <td style="text-align: center;">34mL</td> </tr> <tr> <td style="text-align: center;">91mg</td> <td style="text-align: center;">-</td> <td style="text-align: center;">800mg (maximum dose allowed)</td> <td style="text-align: center;">40mL</td> </tr> </tbody> </table>	Patient Body Weight*		Band Dose	Volume to withdraw from 100mL Sodium Chloride 0.9% bag	From ≥	To ≤	-	40kg	8mg/kg rounded to nearest 20mg		41kg	45kg	360mg	18mL	46kg	55kg	400mg	20mL	56kg	65kg	480mg	24mL	66kg	80kg	600mg	30mL	81kg	90kg	680mg	34mL	91mg	-	800mg (maximum dose allowed)	40mL
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Preparation	<p>*Staff preparing Tocilizumab at ward level should ensure that they are wearing adequate PPE – gloves and surgical mask are recommended*</p> <p>Withdraw the required volume from the 100mL bag of Sodium Chloride 0.9% as indicated above and discard.</p> <p>Using the vial sizes stated draw up the required dose of Tocilizumab, then change the needle. IMPORTANT: DO NOT SHAKE THE VIALS</p> <p>Add Tocilizumab slowly to the bag of Sodium Chloride 0.9%. DO NOT SHAKE THE BAG. To mix gently invert the bag to avoid foaming</p>																																		
Route	IV infusion																																		
Administration	Infusion rate must be set at 10mL/hr for 15 minutes, and then increased to 130mL/hr for the next 45 minutes. After completion of the infusion, at least 20mL of Sodium Chloride 0.9% should be used to flush the drug through the giving set.																																		
Storage	Make immediately before giving. Unused vials should be stored in the fridge in their original container																																		
Compatibility Issues	Tocilizumab should not be infused concomitantly in the same IV line with other medications. Line must be flushed well before and after giving																																		
Additional information	Inspect the bag for particulate matter or discolouration before giving																																		

Sample Label	DRUGS ADDED TO THIS INFUSION			
	PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>
	DRUG <i>Tocilizumab</i>	AMOUNT <i>600mg</i>	ADD BY	CHECKED BY
	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.	
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			

Version 1

For review June 2021

Documentation Controls

Development of Guideline:	Senior Pharmacy Technician for Clinical Trials Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department
Approved By:	QHB Critical Care Management Meeting ICU Risk & Quality Meeting / Senior Sister - ICU Surgical Division - 15/12/2020
Review Date:	June 2021
Key contact:	Pharmacist – Critical Care & Theatres

References

Interim Position Statement: Tocilizumab for patients admitted to ICU with COVID-19 pneumonia (adults) 25 November 2020
 REMAP-CAP Core Protocol Version 3 dated 10 July 2019
 REMAP-CAP Pandemic Appendix to the Core Protocol Version 1.1 dated 12th February, 2020
 COVID-19 Immune Modulation Therapy Domain-Specific Appendix Version 2.0 dated 07 April 2020
 REMAP-CAP: Tocilizumab Dose-Banding v1 27th Apr 2020
 Immune Modulation administration guide v 2020.04.13
 Summary of Product Characteristics. <http://www.emc.medicines.org.uk>. Accessed May 2020

*** End of Monograph ***