

## Subcutaneous Immunoglobulin (SCIg) Product Dosing Request

Subcutaneous administration of immunoglobulin can be considered as an alternative to IVIg. The [Criteria for Clinical Use of Immunoglobulin in Australia](#) (Criteria) should be referred to for Medical Conditions/Indications that offer this method.

1. If entering an initial authorisation request, complete all of the details as required, until the dosing section is reached. You can follow the instructions on the [BloodSTAR – Initial Authorisation Request](#) Tip Sheet.
2. If entering a dose change request, follow the instructions on the [BloodSTAR – Product or Dose Change Request](#) until you reach the dose change request details section.

### **Please note:**

The patient's treating and/or administering facility will need to be listed as a SCIg approved facility in BloodSTAR to request subcutaneous dosing. Listing requirements, along with the facility list is available at <https://www.blood.gov.au/SCIg>.

3. Enter the patient's weight. If subcutaneous dosing is available for the chosen medical condition/indication, **Subcutaneous Doses** will be displayed below the **Intravenous Doses** section. Select the required dose by checking the box next to the dose name.

The screenshot shows a web form for entering patient details and selecting dosing options. At the top, there are input fields for 'Patient Weight' (set to 80.00 kg) and 'Patient Height'. A red box highlights the weight field. To the right, there is a checkbox for 'Use Ideal Body Weight Adjusted Dosing' with a warning message: 'Ideal body weight adjusted dosing is not recommended in patients who are: aged less than 18 years; less than 152cm in height; or pregnant. Where the Dose Determining Weight is greater than the patient's actual weight, use the patient's actual weight to calculate the Ig dose.' Below this are two main sections: 'Intravenous Doses' and 'Subcutaneous Doses'. The 'Subcutaneous Doses' section is highlighted with a red border and contains three options: 'Loading Dose (SCIg)', 'Maintenance Dose (SCIg)', and 'Supplementary Dose (SCIg)', each with a checkbox and a description. The 'Intravenous Doses' section also has three options: 'Loading Dose (IVIg)', 'Maintenance Dose (IVIg)', and 'Supplementary Dose (IVIg)', each with a checkbox and a description.

4. Enter the relevant information for the *Preferred Product, Dose / Kg, Frequency* and *Date Required*.


Maintenance Dose (SCIg)

**Description:** 0.1-0.15g/kg every week or more frequently, to achieve IgG trough level of at least the lower limit of the age-specific serum IgG reference range. More frequent dosing to achieve IgG trough level of up to 9g/L is permitted if chronic suppurative lung disease is not adequately controlled at an IgG trough level at the lower limit of the age-specific serum IgG reference range. A total dose of up to 1g/kg may be given over any four week period.

**Infusion Method \*** Subcutaneous

**Preferred Product \*** Hizentra 20%  
Available sizes: 1.00g, 2.00g, 4.00g and 10.00g

**Product Information - Hizentra 20%**

 For Subcutaneous Immunoglobulin (SCIg) products, the dose given, the timing between treatments and the number of treatments given can depend on response, and can vary from those recommended for Intravenous Immunoglobulin (IVIg) products. Where a system alert is generated by dose or timing requirements, please provide a reason (e.g. SCIg dosing request) when prompted

**Dose / Kg \*** 0.10 g

**Total Dose \*** 7.00 g  
The total dose will be rounded to 7 g.

**Frequency \*** Every 1 Weeks for 26 course(s)

**Date Required \*** 25-Jun-2020

**Approximate End Date** 24-Dec-2020


Dose will be administered as a divided dose

**Tip:** SCIg doses have helpful text below the Dose Name (e.g. Maintenance Dose (SCIg)) to assist with determining the dose and its frequency.

5. If the dose and/or frequency you have selected is outside that allowed in the Criteria, you may be presented with a system alert message.

**Dose / Kg \*** 0.40 g

**Total Dose \*** 28.00 g  
The total dose will be rounded to 28 g.

 The dose per kg (0.4 g/kg) exceeds the maximum set out in the Criteria (0.2 g/kg). You must specify a total dose within the Criteria or provide a reason for dosing outside the Criteria.

**Reason: \***

**Frequency \*** Every 4 Weeks for 6 course(s)

You will need to enter your required dose in weekly or fortnightly format to avoid this warning message. This also allows ease of dispensing.

**Example:**

A patient weighing 70kg requires a dose of 0.4g/kg every four weeks. To get the weekly dose, divide the dose per kg by four e.g.  $0.4g/4 = 0.1g$ . This will give you the weekly dose per kg (i.e. enter 0.1g Every 1 week) and BloodSTAR will calculate the total dose (7g).

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**Tip:** BloodSTAR also allows the total dose to be administered in divisions if the patient requires their weekly dose to be administered over several days.

6. Once all required details have been entered, confirm your contact details and tick the box to indicate all information submitted is true and accurate to the best of your knowledge and then click *Submit*.
7. Your request will be submitted to the Australian Red Cross Lifeblood authorisers for assessment. You will receive an email and an in-system notification when the request has been actioned.