	Globulin (IVIG) Order Form					
,	out with a single line and initialed by prescriber)					
DO NOT USE: U, u, IU, MS, MSO ₄ , 1.0 (trailing zero), .5, QD, QOD, MgSO ₄ INSTEAD USE: Unit, Morphine, 1, 0.5 (leading zero), Daily, Every other day	y, Magnesium					
Allergies: Height:	(cm) Weight (actual):(kg)					
1. Indication – must check one □ Autoimmune Blistering Skin Diseases □ Bone Marrow Transplant □ Chronic Inflammatory Demyelinating Polyneuropathy (Cli □ Chronic Lymphocytic Leukemia (CLL) □ Clostridium Difficile (severe,recurrent) □ Dermatomyositis/Polymyositis (refractory disease) □ Guillian-Barre Syndrome (severe disease) □ Immune/Idiopathic Thromocytopenic Purpura (ITP) □ Kawasaki's Disease □ Lambert-Easton Myasthenic Syndrome □ Multifocal Motor Neuropathy □ Myasthenia Gravis	□ Optic Neuropathy/Neuritis - corticosteroid resistant □ Parvovirus B-19 infection – immunocompromised patient with pure red cell aplasia □ Post-Transfusion Purpura □ Primary Immunodeficiency (Carimune NF as a 3% solution) □ Respiratory Syncytial Virus Infection (RSV) – severely ill, immunocompromised patient □ Stiff Person Syndrome □ Toxic Epidermal Necrolysis/Stevens-Johnson Syndrome □ Toxic Shock Syndrome □ Other:					
2. Pre-Medications: 30 minutes prior to each IVIG infusion ☐ Acetaminophen (Tylenol) 650mg orally x 1 dose ☐ Acetaminophen (Tylenol) 650mg per rectum x 1 dose ☐ Other: ☐ Diphenhydramine (Benadryl) 25mg IV x 1 dose ☐ Diphenhydramine (Benadryl) 25mg IV x 1 dose						
3. IV Fluids: Volume status should be evaluated and patients should be adequately hydrated prior to initiating IVIG NaCl 0.9% □ 250 mL □ 500 ml □ 1000 mL at mL/hr X 1 bag prior to each IVIG infusion □ Other: □ None, already on maintenance fluids or contraindicated						
 4. Product selection □ Carimune® NF - (Formulary/Preferred product) 6% solution OR (select one) □ 3% □ 9%						
All patients will be dose based on ideal body weight (IBW), except when actual body weight is less than IBW and obese patients more than 100kg or BMI > 30 kg/m² (use Adjusted BW in obese patients).						
 6. Infusion rate: Advance ONLY as tolerated (see Table 2: Recommended Infusion Rates) ☑ Carimune® NF: Begin at 0.5 mg/kg/min. After 30 minutes, increase to 1 mg/kg/min. Continue to increase by doubling the rate (every 30 min) up to a MAX of 2 mg/kg/min. ☑ Privigen® 10%: Begin at 0.5 mg/kg/min. After 30 min, increase to 1 mg/kg/min. Continue to increase by doubling the rate (every 30 min) up to a MAX of 4 mg/kg/min (MAX of 4 mg/kg/min for ITP indication and 2 mg/kg/min for patients with or at risk for renal dysfunction or thrombosis, see page # 2). 						
 7. Administration considerations: Use slower infusion rates in patient with renal dysfur Increase rate if no adverse reaction occurs. Decreas Must be administered via dedicated intravenous line 						
hour for the duration of infusion and 15-30 min after ☐ If mild reaction occurs (headache, flushing, dizzines resume infusion at half the rate causing the adverse	es, nausea): <u>STOP</u> infusion until symptoms subside, THEN reaction. Re-titrate (increase) rate as tolerated. hest pain, hypotension, bronchospasms, angioedema, chills or					
Physician's Signature & ID: Prir	nted Name: Date/Time:					
University of Miami Hospital	Patient Identification Sticker					

Intravenous Immune Globulin (IVIG) Order Form- Reference

Table 1. Recommended Doses: Dose to be based on ideal body weight (IBW), unless actual body weight is less than IBW and obese patients more than 100kg or BMI > 30 kg/m² (use Adjusted body weight (ABW) obese patients).

IBW: M = 50 kg (1st 5 ft) + (2.3 x inches over 5 ft); F = 45.5 kg (1st 5 ft) + (2.3 x inches over 5 ft); ABW: IBW + 0.4 (actual body weight – IBW)

	+ (2.3 x inches over 5 ft); <u>ABW</u> : IBW + 0.4 (actual body weight – IBW)			
Indication	Recommended dose			
	NDICATIONS			
Bone Marrow Transplant	0.5 g/kg/dose every 2 weeks if IgG level < 500 mg mg/dL			
Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)	Acute: 0.4 g/kg/day x 5 days			
	Chronic: 0.5 g/kg/day x 2 days every 3 weeks			
Gullian-Barre Syndrome- Severe disease	0.4 g/kg/day x 5 days or 0.5 g/kg/day x 4 days or 1 g/kg/day x 2 days			
Idiopathic Thrombocytonepia Purpura (ITP) – Acute ITP with platelet count < 30,000/mm ³ or actively bleeding	0.4 g/kg/day x 5 days or 0.5 g/kg/day x 4 days or 1 g/kg/day x 2 days			
Kawasaki's Disease - administer within 10 days of onset of illness and	2 g/kg x one dose – In combination with aspirin			
before aneurysms occur				
Myasthenia Gravis / Lambert-Easton Myasthenic Syndrome- Severe exacerbation or crisis	0.4 g/kg/day x 5 days or 0.5 g/kg/day x 4 days or 1 g/kg/day x 2 days			
Multifocal Motor Neuropathy	Acute: 0.4 g/kg/day x 5 days Chronic: 1g/kg every 2- 4 weeks or 2 g/kg every 1 – 2 months			
Parvovirus B-19 infection – immunocompromised patients with pure red cell aplasia AND failure of steroids or other immunosuppressive therapy	0.4 g/kg/day x 5 days or 0.5 g/kg/day x 4 days or 1 g/kg/day x 2 days			
Post-Transfusion Purpura – sudden, severe thrombocytopenia (5-10 days post transfusion) AND active bleeding	0.4 g/kg/day x 5 days or 0.5 g/kg/day x 4 days or 1 g/kg/day x 2 days			
Primary Immunodeficiency (PI) - (congenital agammaglobulinemia, severe combined immunodeficiency syndromes, common variable immunodeficiency, X-linked immunodeficiency and Wiskott-Aldrich Syndrome)	0.4 g/kg to 0.8 g/kg once every 3 to 4 weeks (Dose adjusted to maintain goal trough of IgG greater than 500 mg/dL)			
Respiratory Syncytial Virus infection – severely ill AND immunocompromised patient.	0.5 g/kg every other day for the duration of inhaled ribavirin therapy.			
SECOND LINE	INDICATIONS			
Autoimmune Blistering Skin Diseases- severe AND conventional corticosteroid or other immunosuppressant therapy as failed	0.4 g/kg/day x 5 days. May repeat every 3 to 4 weeks			
Chronic Lymphocytic Leukemia- hypogammaglobulinemia and severe, recurrent infection	0.4 g/kg/dose every 3 to 4 weeks			
Dermatomyositis (DM)/Polymyositis (PM) – for refractory disease. Should be given in combination with steroids or other	DM: 1g/kg/day x 2 days monthly x 3 months Alternative (for both DM or PM)			
immunosuppressive therapy	0.5 g/kg/day x 4 days or 1 g/kg/day x 2 days			
Stiff Person Syndrome – failed standard therapy (diazepam, baclofen	1 g/kg/day x 2 days			
or other immunosuppressive therapy)	NDICATIONS			
THIRD LINE INDICATIONS				
Clostridium Difficile infection – Severe and recurrent disease	0.2 to 0.3 g/kg x one dose			
Optic Neuropathy/Neuritis – corticosteroid refractory	0.4 g/kg/day x 5 days, then single infusion monthly x 3 months <u>Alternative</u> : 0.4 g/kg/day at days 0,1,2,30 and 60			
Toxic Epidermal Necrolysis/Stevens-Johnson Syndrome involved body surface area > 10% AND other treatments are contraindicated OR condition life-threatening	2 g/kg as single dose or divided over 2 - 3 days			
Staphylococcal or Streptococcal Toxic Shock Syndrome	1 g/kg/day x one dose. May repeat 0.5 mg/kg/day x 2 days			

Table 2. Recommended Infusion Rates

Product: Carimune NF

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Concentration (%)	Initial Infusion Rate: 0.5 mg/kg/min	1 mg/kg/min	2 mg/kg/min*	Maximum Infusion Rate†: 3 mg/kg/min
3%	0.0167 mL/kg/min	0.033 mL/kg/min	0.067 mL/kg/min	0.10 mL/kg/min
6%	0.008 mL/kg/min	0.0167 mL/kg/min	0.033 mL/kg/min	0.050 mL/kg/min
9%	0.006 mL/kg/min	0.011 mL/kg/min	0.022 mL/kg/min	0.033 mL/kg/min

^{*} Maximum infusion rate for patients at risk of renal dysfunction or thromboembolic events.

Product: Privigen 10%

Indication	Initial Infusion Rate: 0.5 mg/kg/min	Maintenance rate (if tolerated)
PI	0.005 mL/kg/min	8 mg/kg/min (0.08 mL/kg/min)
ITP	0.005 mL/kg/min	4 mg/kg/min (0.04 mL/kg/min)

*Patients predisposed to acute renal failure

- Preexisting renal insufficiency (GFR < 60)
- · Diabetes mellitus
- Age > 65
- · Volume depletion
- Sepsis
- Receiving other known nephrotoxic drugs

[†] For patients **not** at risk of renal dysfunction or thromboembolic events.