

KAUFMAN INFUSION CENTER	
Provider Orders for:	(Adult)
N/IO /Industrial Industrial	Olala

Patient Name:	
DOB:	

IVIG (Intravenous Immu							
□ = must check off to order / ☑ auto	•						
		GHT:cm ICD10 CODE:					
	ons for Use / and DOSAGES: der beside appropriate patient condition.						
*Note: Order set contains a partial list of Approved Indications; Refer to guidelines for complete list. Pharmacy: Dose by Ideal Body Weight (IBW); Use Actual Body Weight if less than patient's ideal body weight.							
Hematologic/Immunologic Indications	Considerations for Use	Dose					
Autoimmune Hemolytic Anemia	Severe autoimmune neutropenia unresponsive to treatment with G-CSF or relapse of severe autoimmune neutropenia in a patient demonstrated to have previously responded to Ig therapy	□ 1 g/kg IV times 5 days					
Hypogammaglobulinemia Acquired [i.e. Chronic Lymphocytic Leukemia (CLL)]	Secondary to malignancy, chemotherapy and/or immunotherapy; Treatment of documented CMV disease	Treatment dose: □ 0.5 g/kg daily times 3 dosesor □ 0.5 g/kg every other day times 3 doses					
Hypogammaglobulinemia Primary: [Primary immunodeficiency / Common variable immunodeficiency]	First line therapy	□ 0.4 g/kg IV every 4 weeks					
Idiopathic thrombocytopenia (ITP)	Platelet count less than 20,000 per microliter or life- threatening bleeding	□ 0.4 g/kg IV daily times 5 daysor □ 1 g/kg IV daily times 2 days					
Neurologic Indications	Considerations for Use	Dose					
Chronic inflammatory demyelinating polyneuropathy (CIDP)	Intended for new-onset CIDP or CIDP relapses	□ 0.4 g/kg IV daily times 5 days					
Guillain Barre syndrome	Intended for severe or progressive GBS within 2 weeks of symptom onset	□ 0.4 g/kg IV daily times 5 days					
Multifocal Motor Neuropathy	First Line therapy for patients with documented MMN diagnosis	□ 0.4 g/kg IV daily times 5 days					
Myasthenia crisis	Intended for myasthenic crises following a trial of first line therapies	□ 0.4 g/kg IV daily times 5 days					
Gammagard Liquid 10% (UMMS did not tolerate Gammagard Lic							
	ropriate box(es) if needed or if patient had						
☐ Acetaminophen 650 mg PO tim☐ Diphenhydramine 25 mg IV tim☐	nes 1 dose 30 minutes prior to the infusion es 1 dose 30 minutes prior to the infusion mes 1 dose 30 minutes prior to the infusion						
	rate rate up as tolerated) – If customized b Ivance to higher rate only IF tolerating curr	pox is not checked, standard rate will be used ent rate)					
IVIG STANDARD RATE of Administration: Initial infusion rate: 0.5 mL/kg/hr; Increase rate every 30 minutes by increments of 0.5 mL/kg/hr; Max rate: 5 mL/kg/hr. Patients at risk of acute renal failure, heart failure or thrombotic complications should not exceed a rate of 2 mL/kg/hr. □ CUSTOMIZED RATE (Must not EXCEED above rate): mL/hr for 30 min; then mL//hr for 30 min; then mL/hr until completed							
 IVIG should be administered in a dedicated infusion line with no other medications MONITORING: Initial Infusion: Vital signs every 15 minutes for the first 60 minutes, then every 60 minutes until infusion is finished. Subsequent infusions (without reactions): Vital signs every 15 minutes for the first 30 minutes, then every 60 minutes until infusion is complete. 							
LABS:							
Authorized Prescriber Signature: Date/Time:							

INFORMATION

	IDEAL BODY WEIGHT (IBW) TABLE in KG																					
IBW Males = 50 kg + [2.3 X height (inches) greater than 5 feet]; IBW Females = 45.5 kg + [2.3 X height (inches) greater than 5 feet]																						
FEET/INCHES	5' 1"	5' 2"	5' 3"	5' 4"	5' 5"	5' 6"	5' 7"	5' 8"	5' 9"	5' 10"	5' 11"	6'	6' 1"	6' 2"	6' 3"	6' 4"	6' 5"	6' 6"	6' 7"	6' 8"	6' 9"	6' 10"
INCH	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
СМ	153	155	158	160	163	165	168	170	173	175	178	180	183	185	188	190	193	195	198	200	203	205
MALE (kg)	52 kg	55 kg	57 kg	59 kg	62 kg	64 kg	66 kg	68 kg	71 kg	73 kg	75 kg	78 kg	80 kg	82 kg	85 kg	87 kg	89 kg	91 kg	94 kg	96 kg	98 kg	101 kg
FEMALE (kg)	48 kg	50 kg	52 kg	55 kg	57 kg	59 kg	62 kg	64 kg	66 kg	69 kg	71 kg	73 kg	75 kg	78 kg	80 kg	82 kg	85 kg	87 kg	89 kg	92 kg	94 kg	96 kg

PHARMACY:

- Pharmacy: Dose by Ideal Body Weight (IBW); Actual Body Weight will be used in any patient if their actual body weight is less than their ideal body weight.
- Pharmacy will round dose to nearest vial size in adult patients only.
- Pharmacy will dispense IVIG products based on availability. Available <u>preferred</u> product: Gammagard 10%. Gammagard 10% will be dispensed as our preferred product unless physician requests specialized product (must indicate the need of the specialized product) or if the preferred product is not available.

	IgA content	Stabilizer	Osmolality							
Preferred IVIG Product:										
Gammagard 10%	Average 37 mcg/mL	240-300 mOsm/L								
Alternative IVIG Products if indicated/required:										
1 - Gamunex-C 10%	46 mcg/mL	Glycine	258 mOsm/L							
2 - Flebogamma 10%	Average less than 3 mcg/mL	Sorbitol	240 – 370 mOsm/L							
3 - Privigen 10%	Less than or equal to 25 mcg/mL	Proline	240 - 440 mOsm/kg							
Reference: https://primaryimmune.org/sites/default/files/publications/Immunoglobulin%20Product%20Chart.pdf April 2018										

NURSING:

- Infuse IVIG into a large vein in a separate infusion line.
- Filter is NOT required for **Gammagard 10%**, Gamunex-C 10%, Flebogamma 10% or Privigen 10%.
- Monitor:
 - o Renal function, urine output
 - o Vital signs as per order
- If infusion-related reactions occur (flushing, change in HR, BP, urticaria, angioedema, respiratory distress...), Stop infusion, Notify prescriber, Consider decreasing rate

ADVERSE REACTIONS:

- Infusion-related: flushing, tachycardia, hypertension, hypotension, chest tightness, hypersensitivity reactions
- Renal: acute renal failure, acute tubular necrosis (can occur 1-2 days after initiation of IVIG)
- Thrombotic complications (most events occur during or immediately after completion of infusion): myocardial infarction, stroke, DVT/PE
- **Others:** CNS (anxiety, headache, drowsiness), dermatologic (rash, pruritus), GI (abdominal cramp, N/V), respiratory (SOB, wheezing), pain and irritation at injection site