

CHRONIC LYMPHOCYTIC LEUKEMIA

Venetoclax–Obinutuzumab Dosing Regimen

This is a medical resource for scientific information and is intended for healthcare providers practicing in the United States

Current as of December 2024

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VENETOCLAX-OBINUTUZUMAB FIRST-LINE DOSING SCHEDULE OVERVIEW









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Venetoclax Ramp-Up



Dose Modifications for Drug Interactions and Adverse Reactions Ē

CYCLES 1 THROUGH 6: OBINUTUZUMAB INFUSIONS



ALC=absolute lymphocyte count; IRR=infusion-related reaction.

1. GAZYVA [prescribing information]. South San Francisco, CA: Genentech, Inc. 2. Fischer K, et al. N Engl J Med. 2019;380:2225-2236 (protocol).





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OBINUTUZUMAB PREMEDICATIONS TO REDUCE IRRs



^aHydrocortisone is not recommended as it has not been effective in reducing the rate of infusion reactions.

hr=hour.

1. Goede V, et al. N Engl J Med. 2014;370:1101–1110. 2. GAZYVA [prescribing information]. South San Francisco, CA: Genentech, Inc.



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OBINUTUZUMAB DOSING SCHEDULE AND INFUSION RATES





remedications to Reduce IRRs

Dosing Schedule and Infusion Rates

IRR Management

Tumor Lysis Syndrome Pr

Neutropenia Management

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MANAGEMENT OF INFUSION-RELATED REACTIONS

Grade of IRRs ^a		Guidance	
Grade 1–2		 Slow or hold infusion Give supportive treatment Upon symptom resolution, may continue or resume infusion 	
Mild to moderate		Opon symptom resolution, may continue or resume infusion Note: The Day 1 infusion rate may be increased back up to 25 mg/hr after 1 hr but not increased further.	
Grade 3		Hold infusion If t	he patient does not experience any further IRR symptoms,
Severe	 Give supportive treatment Upon symptom resolution, may resume infusion at no more than half the previous rate (at the time the IRR occurred) Infusion rate escalation may result intervals appropriate for the treat 	ervals appropriate for the treatment cycle dose	
		Note: If the same adverse event recurs with the same severity, treatment must be permanently discontinued. The D	Day 1 infusion rate may be increased back up to 25 mg/hr after 1 hr but not increased further.
Grade 4 Life-threatening		Discontinue infusion immediatelyTreat symptoms aggressivelyDo not restart drug	
In the e	vent o	of an IgE-mediated anaphylactic reaction, obinutuzumab should be discontinued	and no additional obinutuzumab should be administered.
Premedications to	Reduce	e IRRs Dosing Schedule and Infusion Rates IRR Management Tu	mor Lysis Syndrome Prophylaxis Neutropenia Management

aRefer to National Cancer Institute Common Terminology Criteria for Adverse Events for grading of symptoms. Ig=immunoglobulin.

1. Goede V, et al. N Engl J Med. 2014;370:1101–1110. 2. GAZYVA [prescribing information]. South San Francisco, CA: Genentech, Inc.



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Venetoclax Ramp-Up

Dose Modifications for Drug Interactions and Adverse Reactions

TUMOR LYSIS SYNDROME PROPHYLAXIS

Patients with high tumor burden, high circulating absolute lymphocyte counts (greater than 25 x 10⁹/L), or renal impairment are **considered at risk of tumor lysis syndrome and should receive prophylaxis.**

PROPHYLAXIS

ADEQUATE HYDRATION

Hydration of ~3 liters per day, **1–2 days prior to first infusion**



ANTIHYPERURICEMICS

Start allopurinol or rasburicase 12–24 hrs prior to first infusion



LABORATORY PARAMETERS

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Monitor laboratory parameters of patients considered at risk for TLS during initial days of treatment

Continue prophylaxis prior to each subsequent infusion, as needed.

<u>Please see additional TLS prophylaxis considerations</u> for venetoclax administration.

FOR PATIENTS WITH TLS

Correct electrolyte abnormalities, monitor renal function and fluid balance, and administer supportive care, including dialysis as indicated



Premedications to Reduce IRI

Reduce IRRs Dosing Sched

usion Rates

IRR Management

Tumor Lysis Syndrome Prophylaxis

TLS=tumor lysis syndrome. 1. GAZYVA [prescribing information]. South San Francisco, CA: Genentech, Inc. 2. Fischer K, et al. N Engl J Med. 2019;380:2225–2236 (protocol).





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MANAGEMENT OF NEUTROPENIA

Grade of Neutropenia ^a	Guidance		
Grade 3–4	 Monitor patients frequently with regular laboratory tests until resolution 		Patients with Grade 3 or 4 neutropenia lasting more
Severe to life-threatening	 Anticipate, evaluate, and treat any symptoms or signs of developing infection 		than 1 week are strongly recommended to receive antimicrobial prophylaxis until resolution of neutropenia to Grade 1 or 2
	Consider dose delaysConsider administration of G-CSF		 Consider antiviral and antifungal prophylaxis



Premedications to Reduce

ce IRRs Dosing Schedule

Infusion Rates

IRR Management

Tumor Lysis Syndrome Prophylaxis

Neutropenia Management

^aRefer to National Cancer Institute Common Terminology Criteria for Adverse Events for grading of symptoms. G-CSF=granulocyte colony-stimulating factors. GAZYVA [prescribing information]. South San Francisco, CA: Genentech, Inc.











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VENETOCLAX RAMP-UP







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PREPARING FOR VENETOCLAX RAMP-UP





Click for details on prophylaxis and monitoring by tumor burden/TLS risk.







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VENETOCLAX RAMP-UP: LOW OR MEDIUM TUMOR BURDEN/TLS RISK



^aAdminister IV hydration for any patient who cannot tolerate oral hydration.

CrCl=creatinine clearance.

1. VENCLEXTA [prescribing information]. South San Francisco, CA: Genentech, Inc. 2. Fischer K, et al. N Engl J Med. 2019;380:2225–2236 (protocol).



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VENETOCLAX RAMP-UP: HIGH TUMOR BURDEN/TLS RISK



^aAdminister IV hydration for any patient who cannot tolerate oral hydration.

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VENETOCLAX DOSE MODIFICATIONS FOR DRUG INTERACTIONS

COADMINISTERED DRUG	INITIATION AND RAMP-UP PHASE	STEADY DAILY DOSE (post ramp-up phase) ^a
Posaconazole	Contraindicated	Reduce to 70 mg
Other strong CYP3A inhibitor	Contraindicated	Reduce to 100 mg
Moderate CYP3A inhibitor	Reduce by at least 50%	Reduce by at least 50% (to 200 mg or less)
P-gp inhibitor	Reduce by at least 50%	Reduce by at least 50% (to 200 mg or less)



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DOSE MODIFICATIONS FOR ADVERSE REACTIONS (1 of 2)

Adverse reaction	Occurrence	 Venetoclax dose modification Obinutuzumab dose modification (Cycles 1–6) 	
Hematologic adverse reactions			
Grade 3 neutropenia with infection or fever OR	1 st occurrence	 Interrupt venetoclax Upon resolution to Grade 1 or baseline level, resume venetoclax at the same dose Withhold obinutuzumab Upon resolution, resume obinutuzumab at the same dose 	
Grade 4 hematologic toxicities (except lymphopenia)	2 nd and subsequent occurrences	 Interrupt venetoclax Upon resolution, resume venetoclax at the reduced dose^a See also Management of Neutropenia under Obinutuzumab Infusions section 	
Non-hematologic adverse reactions			
Grade 2 non-hematologic toxicities	Any occurrence Delay venetoclax and obinutuzumab Upon resolution to Grade ≤1 or baseline, resume at same doses 		
Grade 3 or 4 non-hematologic	1 st occurrence	 Interrupt venetoclax Upon resolution to Grade 1 or baseline level, resume venetoclax at the same dose Delay obinutuzumab Upon resolution to Grade 1 or 	
toxicities	2 nd and subsequent occurrences	 Interrupt venetoclax Upon resolution, resume venetoclax at the reduced dose^a 	

^aSee next slide for dose reductions.

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DOSE MODIFICATIONS FOR ADVERSE REACTIONS (2 of 2)

Adverse reaction	Occurrence	►	Venetoclax dose modification
	Tumo	r Lysis Syn	drome
			 Withhold the next day's dose. If resolved within 24–48 hrs of last dose, resume at the same dose
Blood chemistry changes or symptoms suggestive of TLS	Any occurrence		 For any blood chemistry changes requiring more than 48 hrs to resolve, resume at the reduced dose
			For any events of clinical TLS, resume at the reduced dose following resolution

Consider discontinuing venetoclax for patients who require dose reductions to less than 100 mg for more than 2 weeks.

Venetoclax dose at interruption, mg	Venetoclax restart dose, mg ^{a,b}
400	300
300	200
200	100
100	50
50	20
20	10

^aDuring the ramp-up phase, continue the reduced dose for 1 week before increasing the dose. ^bIf a dosage interruption lasts more than 1 week during the ramp-up phase or more than 2 weeks after completion of ramp-up, reassess the risk of TLS and determine if reinitiation at a reduced dosage is necessary.

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