Safety and Tolerability of 30-minute Ublituximab Infusions: Updates from the ENHANCE Study

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KEY FINDINGS

- 30-min infusion outcomes
- 100% of 30-min infusions were completed
- 93% of infusions were completed without interruption or slowing
- 91% of participants received non-drowsy antihistamines as premedication
- Low rate of infusion-related reactions (IRRs) was reported
- Treatment Satisfaction Questionnaire for Medication (TSQM-9) responses for 30-min infusions
- 93% of participants responded positively to all TSQM-9 questions

CONCLUSIONS

- Data from ENHANCE continues to support that 450 mg may be safely administered in 30 minutes.
- The ENHANCE study is ongoing, and additional efficacy, safety and tolerability will be reported in the future, including the evaluation of the potential to eliminate the Day 15 dose.



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. Ross AP, Killestein J, Berger T, et al. Safety of Shorter Ocrelizumab Infusion Confirmed Over Multiple Administrations: Results of the ENSEMBLE PLUS Substudy. Presented at the 2023 Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC); May 31–June 3, 2023; Aurora, CO, USA.

DISCLOSURES:

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BACKGROUND

METHODS

- ublituximab.

- The TSQM-9 was administered at Weeks 24 and 48.

Figure 1. Study Schema

Key Eligibility Criteria

- 18 65 years
- RMS diagnosis^a EDSS ≤ 5.5
- Previously treated

a) 2017 Revised McDonald criteria RMS, Relapsing Multiple Sclerosis; EDSS, Expanded Disability Status Scale; DMT, Disease-modifying Therapy

RESULTS

Table 1. Baseline Cha

B-cell Depletion Status Day 1 Dose Infusion Duration

Age, years, median (range)

Female, n (%)

Race, n (%) White Black or African American Asian

Other

Years since MS diagnosis, med

Years since MS onset, median Relapses in prior 2 years, media

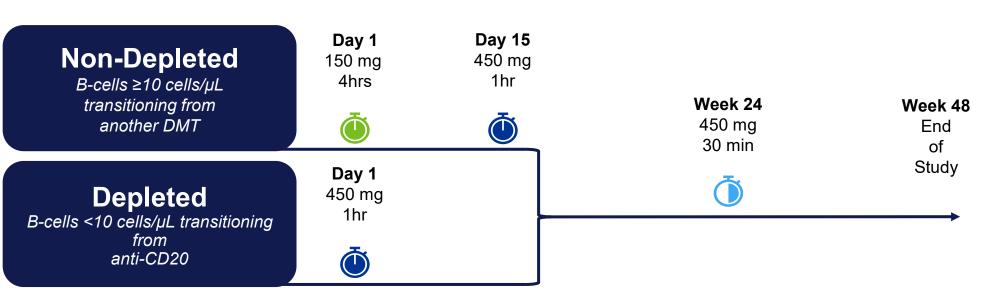
Presented at the 2025 Americas Committee for Treatment and Research in Multiple Sclerosis (ACTRIMS) February 27 - March 1, 2025, West Palm Beach, USA

 Ublituximab is an anti-CD20 monoclonal antibody glycoengineered for enhanced antibody-dependent cellular cytotoxicity. • Ublituximab is approved for relapsing forms of multiple sclerosis (RMS) with an administration schedule of 150 mg dose on Day 1 followed by 450 mg doses on Day 15, Week 24, and subsequently every 24 weeks.

• Previous anti-CD20 therapies have demonstrated no relationship between infusion duration and the severity of IRRs.¹ Improvements in patient convenience may be achieved through the introduction of shorter duration infusions.

• ENHANCE is a multi-center, open-label, 48-week study in participants with RMS designed to evaluate optimized dosing regimens for

• The study is actively enrolling participants with RMS who are treatment-naïve or transitioning from other disease-modifying therapies. Participants transitioning from prior anti-CD20 therapy in a B-cell depleted state (<10 cells/µL) received a 450 mg ublituximab infusion in 1 hour on Day 1. Non-depleted participants (B-cells ≥10 cells/µL) received 150 mg of ublituximab in 4 hours on Day 1 followed by 450 mg of ublituximab administered in 1 hour on Day 15. At Week 24, all participants received a 30-minute, 450 mg ublituximab infusion Recommended premedications included a non-drowsy antihistamine, corticosteroid, and antipyretic at each infusion.



	Depleted 450 mg	Non-depleted 150 mg	Overall	
	1 hr N=47	4 hrs N=34	N=81	
	45 (24, 65)	49 (28, 65)	47 (24, 65)	
	30 (64%)	18 (53%)	48 (59%)	
	38 (81%)	27 (79%)	65 (80%)	
	7 (15%)	5 (15%)	12 (15%)	
	1 (2.1%)	2 (5.9%)	3 (3.7%)	
	1 (2.1%)	0 (0%)	1 (1.2%)	
an (range)	8 (1, 29)	9 (1, 28)	8 (1, 29)	
range)	9 (1, 36)	13 (1, 29)	10 (1, 36)	
in (range)	0 (0, 1)	0 (0, 2)	0 (0, 2)	

RESULTS, CONT.

Table 2. F

B-cell Deplet Day 1 Dose Infusion Dura

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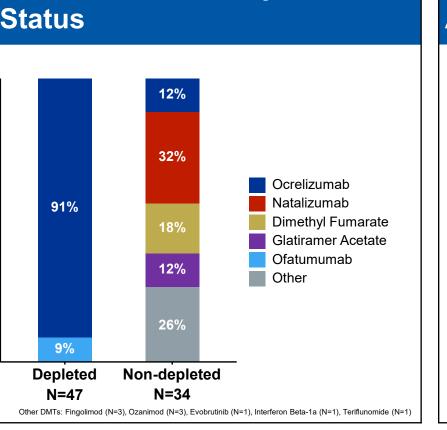
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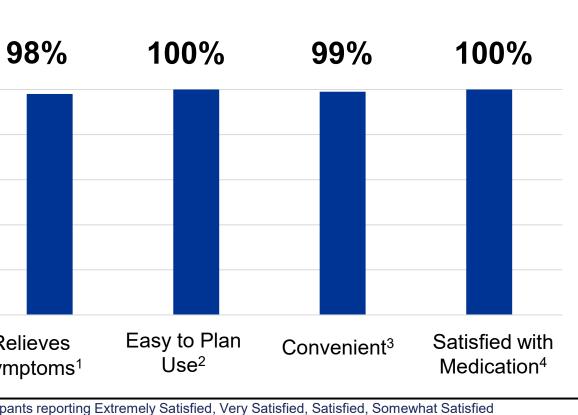
Figure 2. Most Recent DMTs by B-cell **Depletion Status**

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ıts	WQ	80	-
ipar	ive	70	-
rtici	ect	60	-
Proportion of Participants	esp	50	-
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rtio	fro	30	-
odo	ing	20	-
Pre	tion	10	-
	Fransitioning from Respective DMT (%)	0	_
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Proportion of Participants (%)	400	98	8%	1(0%	ļ	99%	1
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2) Pro 3) Pro	portion of p portion of p	articipants articipants	s reporting E s reporting E	Extremely Ea Extremely Co	asy, Very Ea onvenient, V	isy, Easy, So ery Conven	Satisfied, Some omewhat Easy ient, Convenien Satisfied, Some	t, Somev

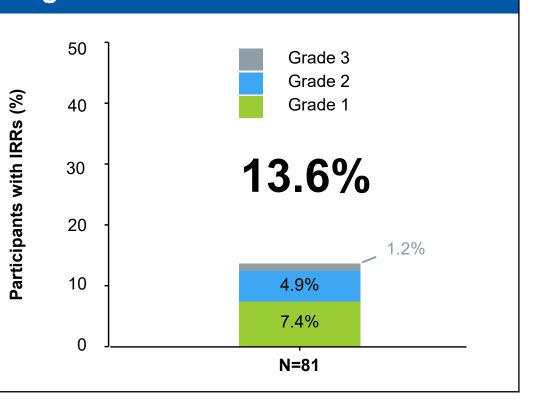
Participants Who Switched from Ocrelizumab						
tion Status ration	Depleted 450 mg 1 hr N=43	Non-depleted 150 mg 4 hr N=4	Overall N=47			
i-CD20 Infusions, median (range)	7 (3, 14)	5 (4, 12)	7 (3, 14)			
ast Anti-CD20 Infusion (minutes), je)	140 (120, 300)	120 (120, 120)	135 (120, 300)			
Wearing-Off Effect on Prior Anti-CD20, %	56%	50%	55%			





pants reporting Extremely Easy, Very Easy, Easy, Somewhat Easy pants reporting Extremely Convenient, Very Convenient, Convenient, Somewhat Convenient pants reporting Extremely Satisfied, Very Satisfied, Satisfied, Somewhat Satisfied

Figure 3. Low Rate of IRRs Observed Among 30-min Infusions



30-min Infusion Experience:

- 100% of 30-min infusions were completed
- 93% of infusions were completed without interruption or slowing
- Median (IQR) duration: 32 (30, 34) minutes
- 91% of participants received non-drowsy antihistamines as premedication
- IRR Symptoms Reported in >1 Participant • 11% throat irritation
- 3.7% itching
- All IRRs resolved completely

TSQM-9 Patient Questionnaire

- TSQM-9 was evaluated at Week 24 to assess patient satisfaction with 30-min infusions
- 93% of participants had overall positive questionnaire

IQR, Interguartile Range