

“This is a copy of a presentation from the 40th Congress of the European Committee for Treatment and Research of Multiple Sclerosis, which was in Denmark; the references to “Merck” or “Merck KGaA” within refer to (1) Merck KGaA, Darmstadt, Germany; (2) an affiliate of Merck KGaA, Darmstadt, Germany; or (3) one of the businesses of Merck KGaA, Darmstadt, Germany, which operate as EMD Serono in the healthcare, MilliporeSigma in the life science and EMD Electronics in the electronics business in the U.S. and Canada.

There are two different, unaffiliated companies that use the name “Merck”. Merck KGaA, Darmstadt, Germany, which is providing this content, uses the firm name “Merck KGaA, Darmstadt, Germany” and the business names EMD Serono in the healthcare, MilliporeSigma in the life science and EMD Electronics in the electronics business in the U.S. and Canada. The other company, Merck & Co., Inc. holds the rights in the trademark “Merck” in the U.S. and Canada. Merck & Co., Inc. is not affiliated with or related to Merck KGaA, Darmstadt, Germany, which owns the “Merck” trademark in all other countries of the world.”

Reasons for and safety of treatment continuation with cladribine tablets (CladT) in year 5 – first interim analysis of the CLIP-5 study

Catharina Korsukewitz¹, Nils Richter², Juliane Klehmet³, *Torsten Wagner⁴*, *Beate Müller⁴*, Anita Chudecka⁵, *Anita Posevitz-Fejfar⁴*

¹University Hospital Münster, Münster, Germany; ²Neurology Praxis, Duesseldorf, Germany; ³Berlin Jewish Hospital, Berlin, Germany; ⁴Merck Healthcare Germany GmbH, Weiterstadt, an affiliate of Merck KGaA; ⁵Cytel Inc., Geneva, Switzerland

This work was sponsored by Merck (CrossRef Funder ID: 10.13039/100009945). Authors in italics are employees of Merck or its affiliates.



SCAN FOR POSTER PDF

For personal use only and may not be reproduced without written permission of the authors

RESEARCH IN CONTEXT

- In patients with RMS, safety and effectiveness data following administration of cladribine tablets in year 5 were consistent with prior data from administration in years 1 and 2.**
- Treatment continuation with CladT has not induced new safety signals in comparison with the first treatment phase.**

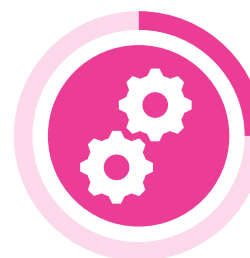
INTRODUCTION



Cladribine tablets (CladT) are administered in two short treatment courses one year apart, followed by 2 treatment-free years.



CLIP-5 is an ongoing non-interventional study (NIS) in Germany in patients with relapsing multiple sclerosis (RMS) who received the full dosage of CladT according to the SmPC in year 1 and 2 and are **continuing CladT therapy in year 5.**

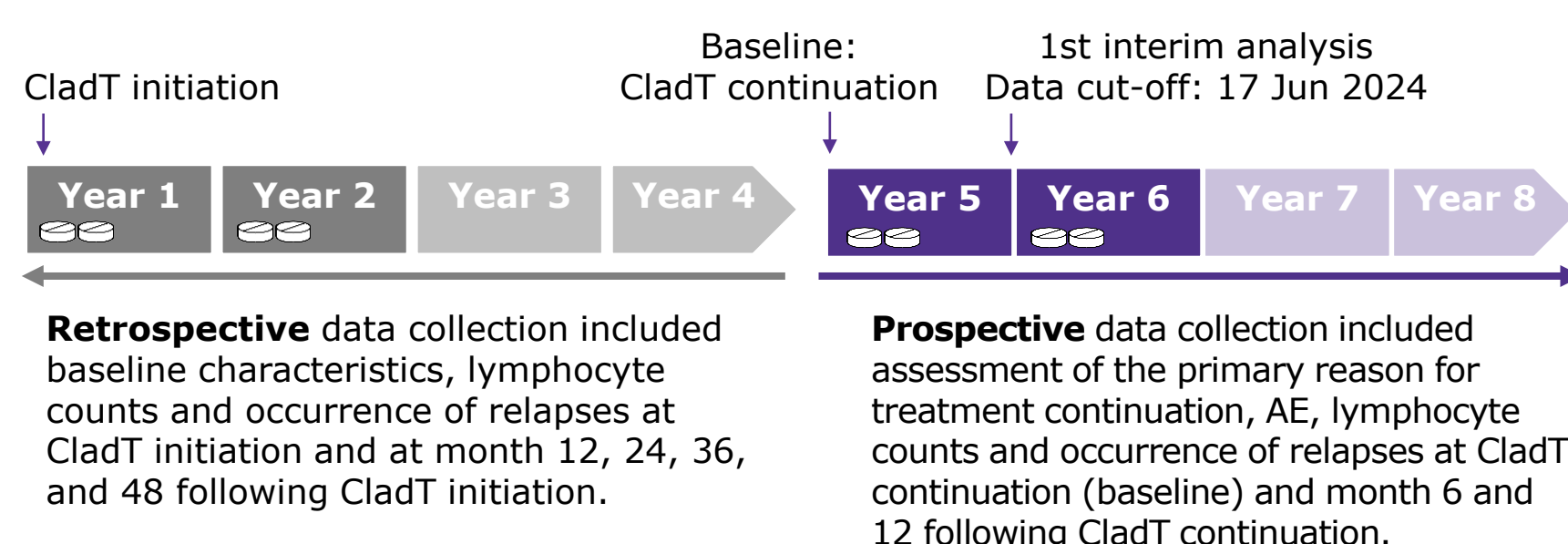


Effectiveness and safety data are presented up to and including year 5 of treatment with CladT.

OBJECTIVES

This first interim analysis assesses reasons for treatment continuation with CladT, lymphocyte counts and safety data.

METHODS



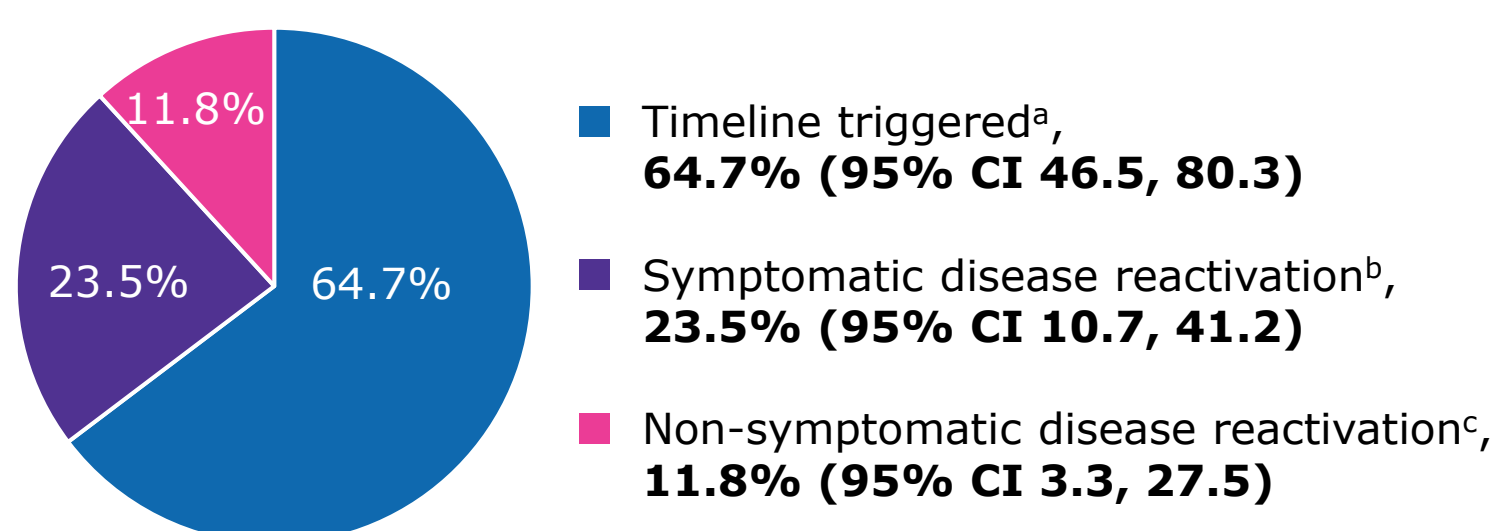
RESULTS



- 85.3% Female
- Mean (\pm SD) age 43.0 \pm 11.9 years
- 97.1% RRMS
- 2.9% rSPMS

N=34

Figure 1. The primary reason for CladT continuation was timeline triggered



N=34; ^ano specific signs of disease reactivation are assessed; the intention is to prolong/further extend the achieved disease control or to prevent disease reactivation; ^bclinically evaluated by EDSS; relapse rate; symptomatic parameters; ^cevaluated by MRI CI, confidence interval; CladT, cladribine tablets; EDSS, Expanded Disability Status Scale; MRI, magnetic resonance imaging

Table 1. Overview of adverse events reported in year 5

Adverse event, n (%)	N=34
Any TEAE	15 (44.1)
Mild	3 (8.8)
Moderate	7 (20.6)
Severe	5 (14.7)
Any study treatment related TEAE	13 (38.2)
Mild	4 (11.8)
Moderate	4 (11.8)
Severe	5 (14.7)
Any serious TEAE	2 (5.9)
Any related serious TEAE	1 (2.9)
Any TEAE leading to death	0 (0.0)
Any related TEAE leading to death	0 (0.0)

TEAE, treatment-emergent adverse events

Table 2. Reported adverse events after CladT continuation

Adverse events (PT), n (%)	N=34
Subjects with at least one related TEAE	13 (38.2)
Lymphopenia	6 (17.6)
Nausea	2 (5.9)
Fatigue	1 (2.9)
COVID-19	1 (2.9)
Herpes zoster	1 (2.9)
Influenza	1 (2.9)
Oral herpes	1 (2.9)
Headache	2 (5.9)
Alopecia	2 (5.9)
Rash	1 (2.9)
Subjects with at least one serious related TEAE	1 (2.9)
Lymphopenia	1 (2.9)

TEAE, treatment-emergent adverse events

Figure 2. The lymphocyte profile following CladT continuation is comparable to the profile following CladT initiation

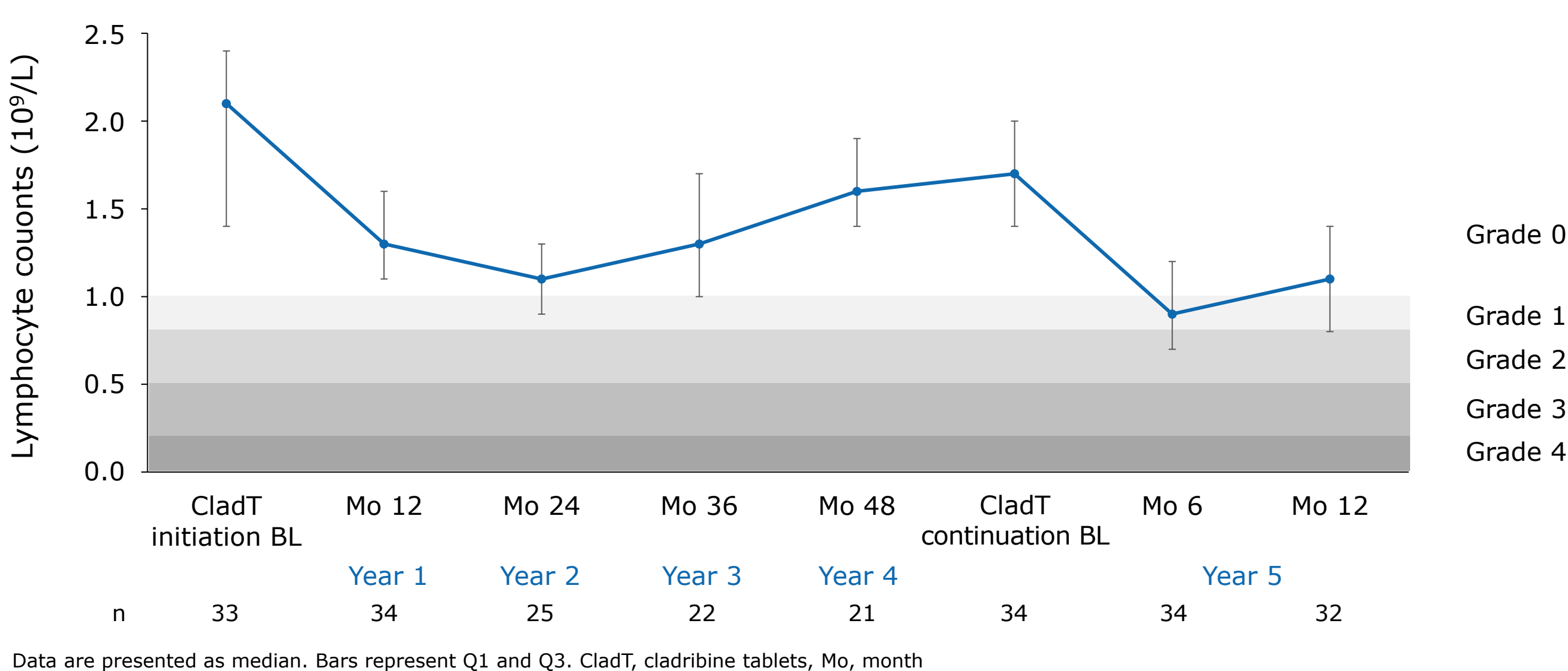


Figure 3. No grade 4 lymphopenia was reported after CladT continuation

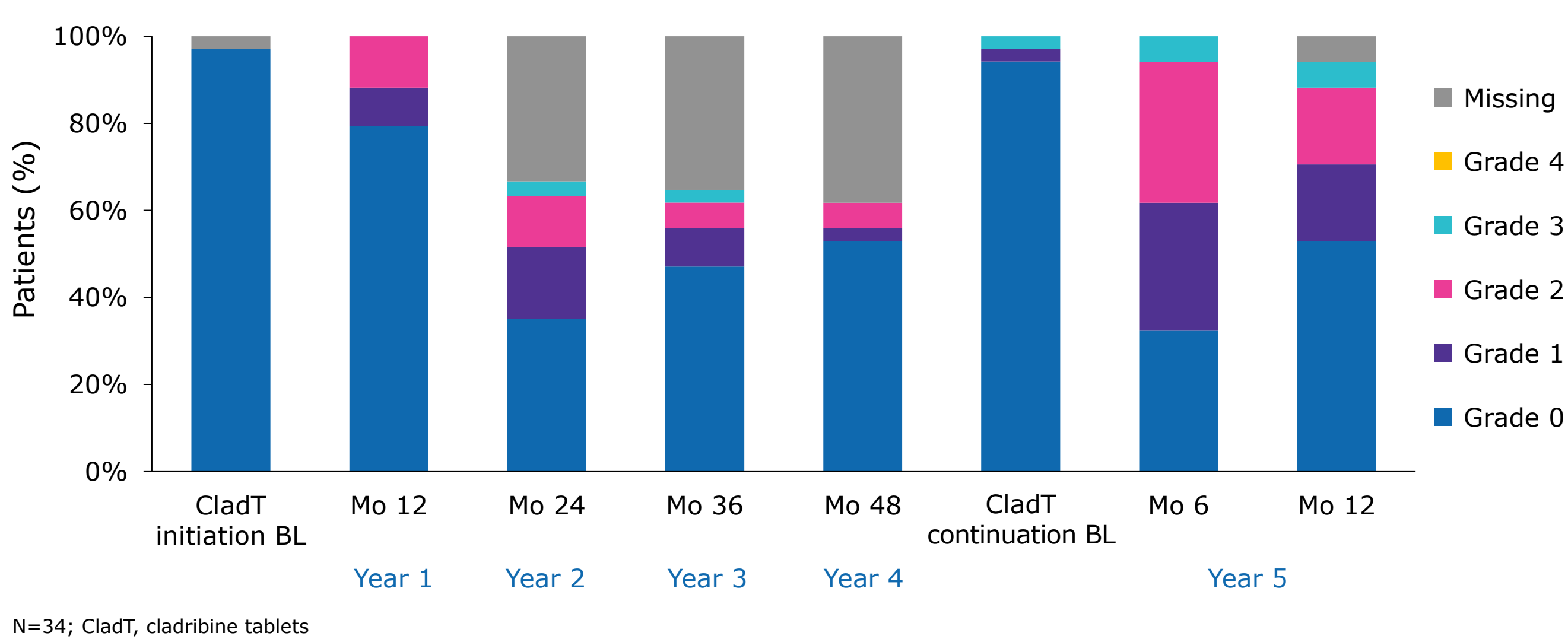
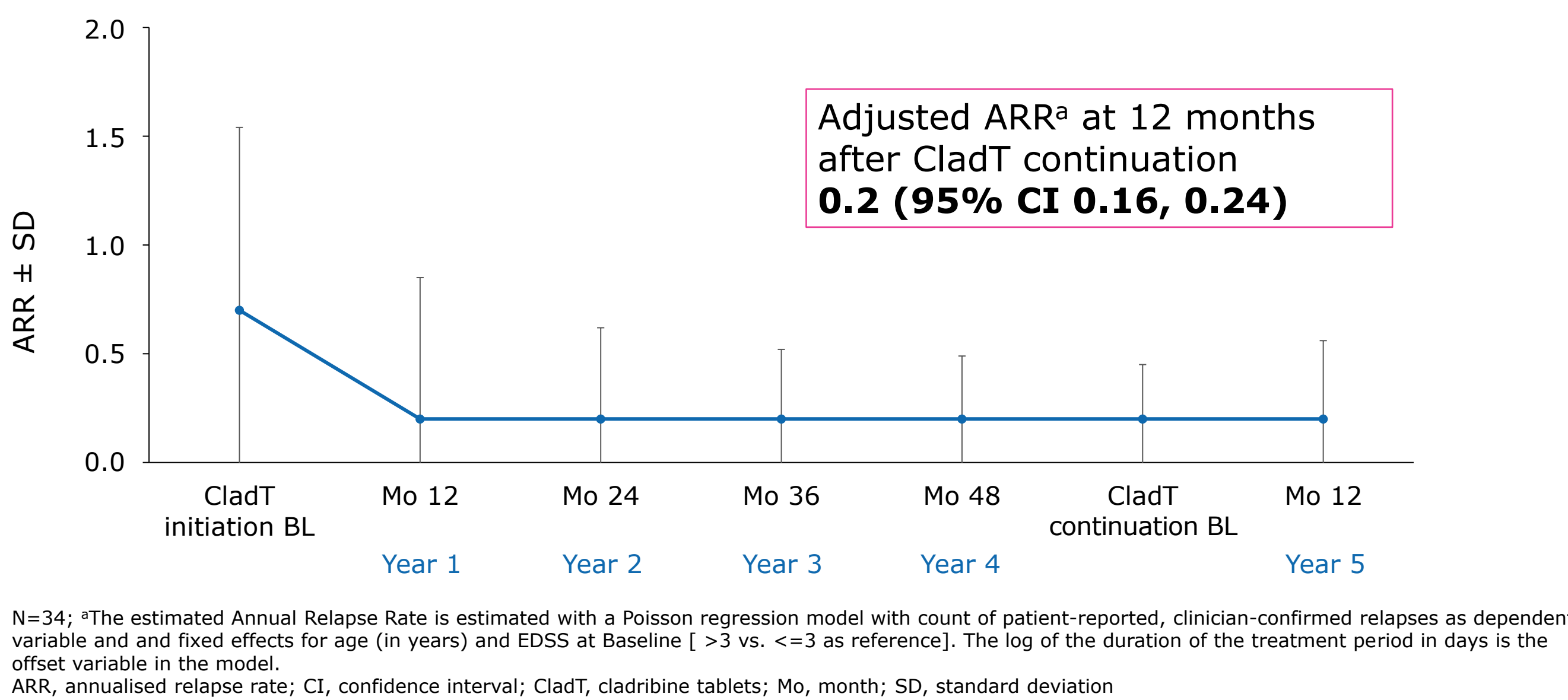


Figure 4. The relapse rate remained low throughout the study period



N=34; ^aThe estimated Annual Relapse Rate is estimated with a Poisson regression model with count of patient-reported, clinician-confirmed relapses as dependent variable and fixed effects for age (in years) and EDSS at Baseline [>3 vs. ≤ 3 as reference]. The log of the duration of the treatment period in days is the offset variable in the model. ARR, annualised relapse rate; CI, confidence interval; CladT, cladribine tablets; Mo, month; SD, standard deviation

- Median EDSS remained stable at 2.0 over the study period of 5 years.

CONCLUSIONS

- The decision to continue with CladT therapy was made by most of the patients on a timeline basis and not due to acute clinical or paraclinical symptoms.**
- Lymphopenia has been detected in line with the mechanism of action. No grade 4 lymphopenia has been reported.**

Conflicts of interest

CK received speaker honoraria and travel support from Biogen, Roche, Merck, Sanofi, BMS and research support Merck, Novartis; NR and AC declare that they have no conflicts of interest; JK received personal compensation for consulting as well as speaker honoraria from Bayer, Biogen, Bristol Myers Squibb, Grifols, Janssen, Merck Serono, Novartis, Roche, Sanofi Genzyme, Takeda and Teva; TW, BM and APF are employees of Merck or its affiliates.

Presented at ECTRIMS 2024 | 18–20 September | Copenhagen, Denmark