

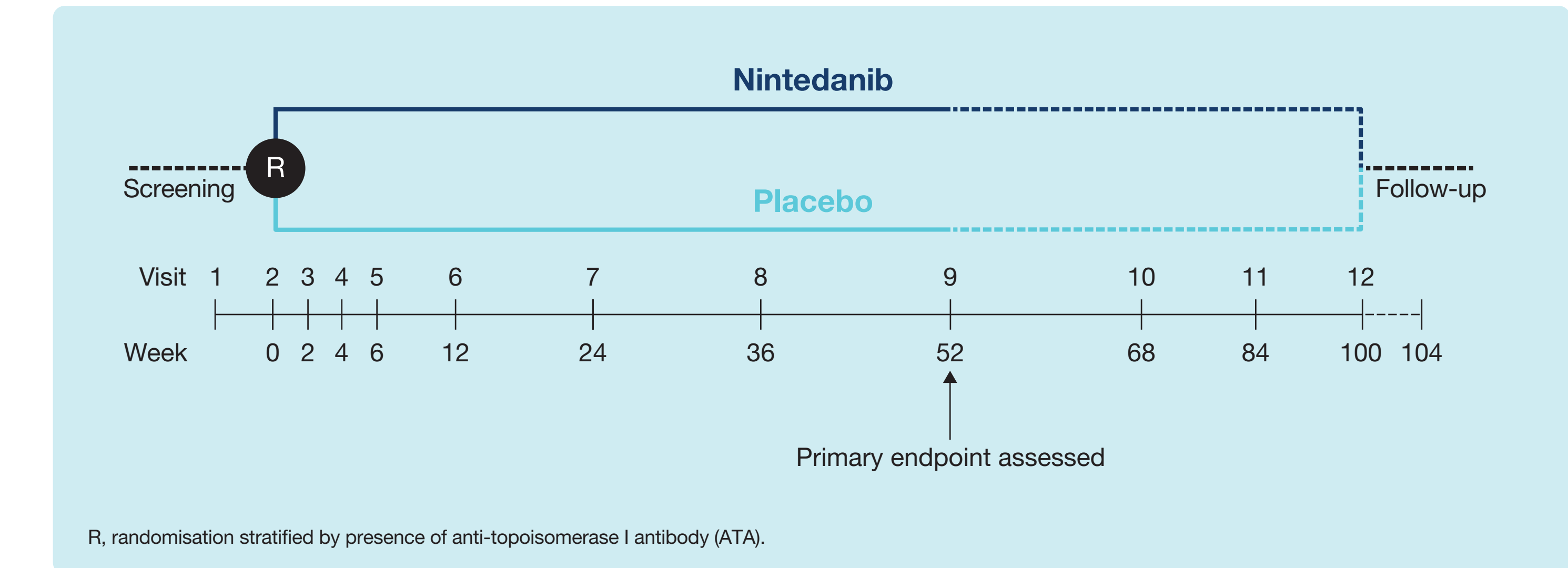
Does dose adjustment affect decline in forced vital capacity in patients treated with nintedanib? Data from the SENS CIS® trial

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INTRODUCTION

- In the SENS CIS trial, patients with systemic sclerosis-associated ILD were randomised to receive nintedanib 150 mg bid or placebo. Nintedanib reduced the rate of decline in forced vital capacity (FVC) (mL/year) over 52 weeks by 44% compared with placebo.¹



- Dose reductions from 150 mg bid to 100 mg bid and treatment interruptions were permitted to manage adverse events.¹

AIM

- To assess whether dose adjustments affected the rate of FVC decline in the SENS CIS trial.

METHODS

Patients

- Inclusion criteria for the SENS CIS trial included: SSc with first non-Raynaud symptom ≤7 years before screening, fibrotic ILD of ≥10% extent on an HRCT scan, FVC ≥40% predicted and diffusion capacity of the lung for carbon monoxide (DLco) 30–89% predicted.
- Subjects on prednisone ≤10 mg/day and/or stable therapy with mycophenolate or methotrexate for ≥6 months prior to randomisation were allowed to participate.
- Dose reductions from 150 mg bid to 100 mg bid and treatment interruptions (≤8 weeks) were permitted to manage adverse events. After resolution of the adverse event, nintedanib could be reintroduced, or the dose increased back to 150 mg bid. Patients who had a dose reduction and/or treatment interruption were asked to attend all visits as planned.

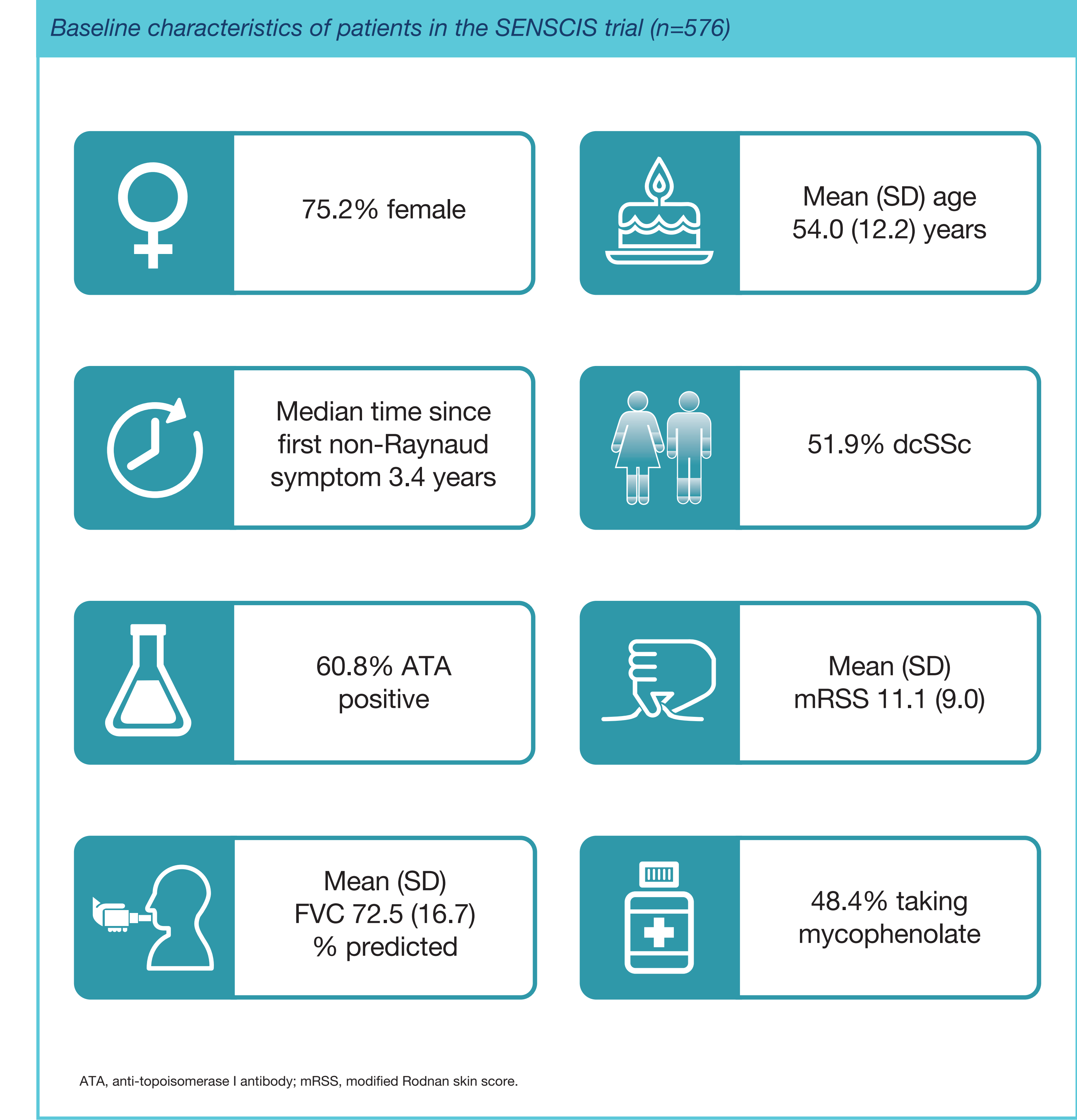
Analyses

- In patients treated with nintedanib, we assessed the rate of decline in FVC (mL/year) over 52 weeks in patients who had:
 - ≥1 dose reduction
 - ≥1 treatment interruption
 - ≥1 dose reduction and/or treatment interruption
 - dose intensity of ≤90%. Dose intensity was defined as the amount of drug administered divided by the amount of drug that would have been received if 150 mg bid had been administered over 52 weeks or until permanent treatment discontinuation.
- Analyses were descriptive.

RESULTS

Patients

- In total, 288 patients received ≥1 dose of nintedanib and 288 patients received ≥1 dose of placebo.



CONCLUSIONS

- In the SENS CIS trial in patients with SSc-ILD:
 - almost half of patients had a nintedanib dose reduction and/or treatment interruption over 52 weeks.
 - the estimated rate of decline in FVC was similar in nintedanib-treated patients irrespective of whether they had dose adjustments to manage adverse events.
- Management of adverse events using symptomatic therapies and dose adjustment is important to help patients with SSc-ILD remain on nintedanib.

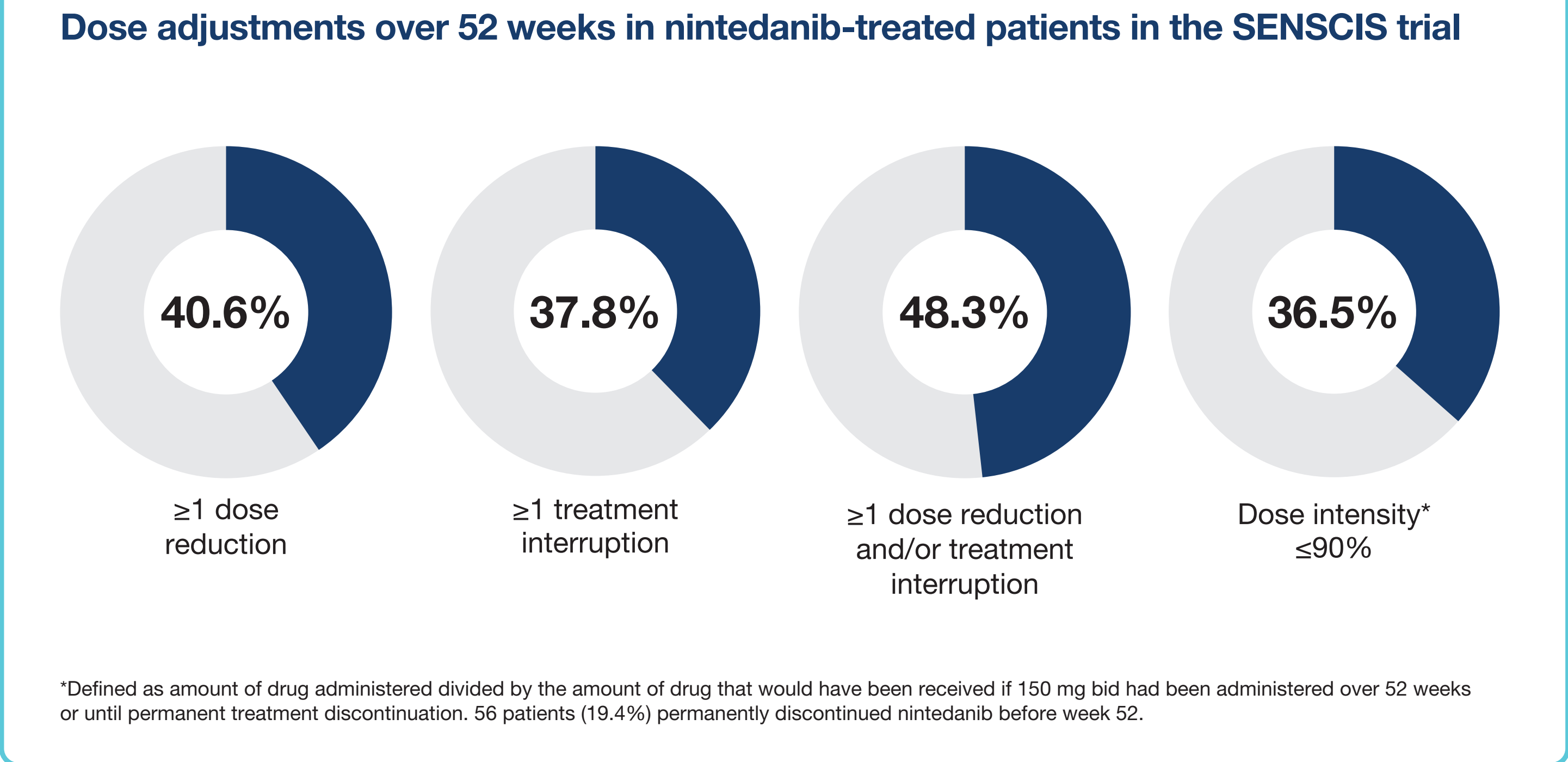
Reference

- Distler O et al. N Engl J Med 2019;380:2518–28.

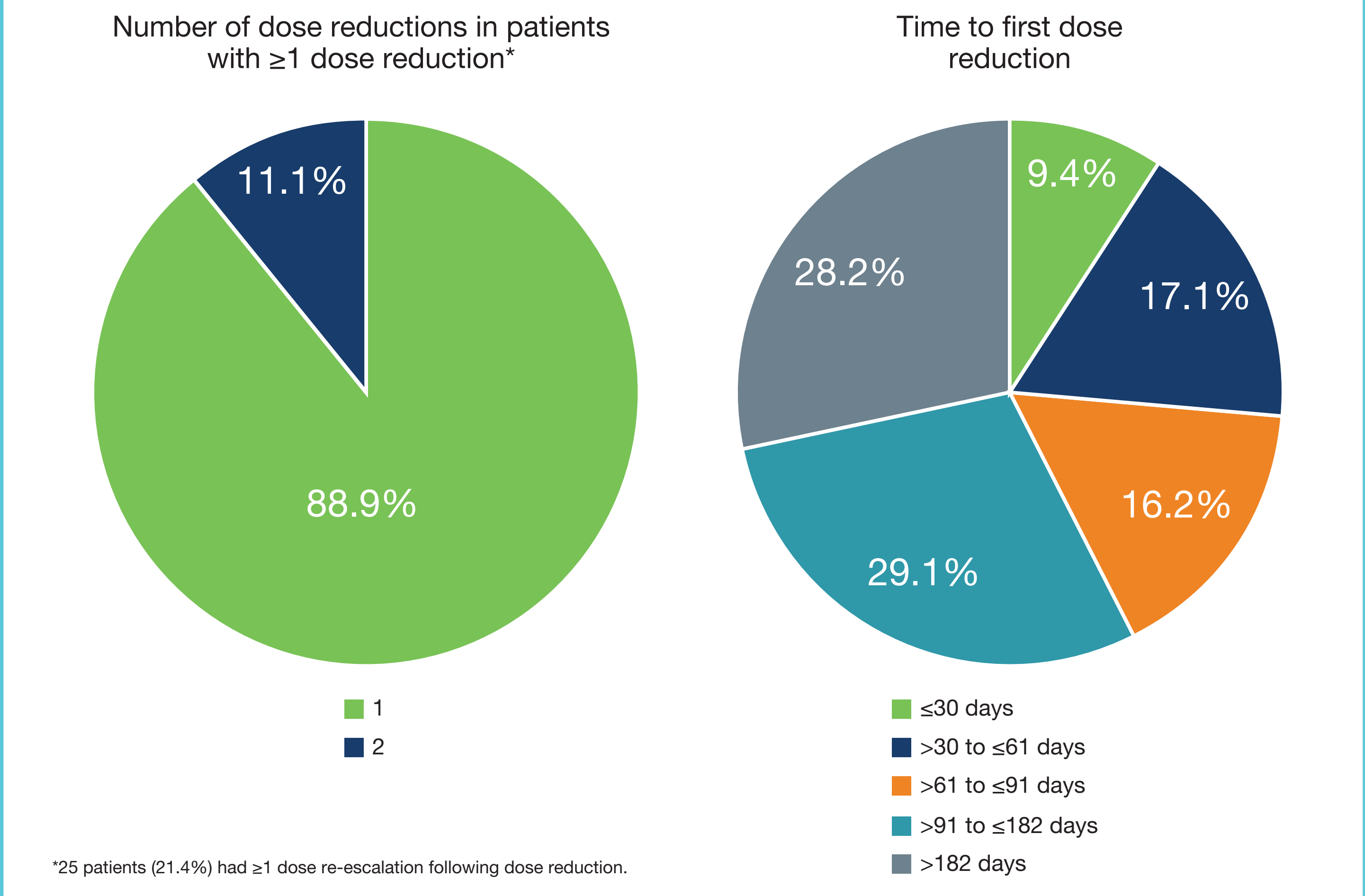
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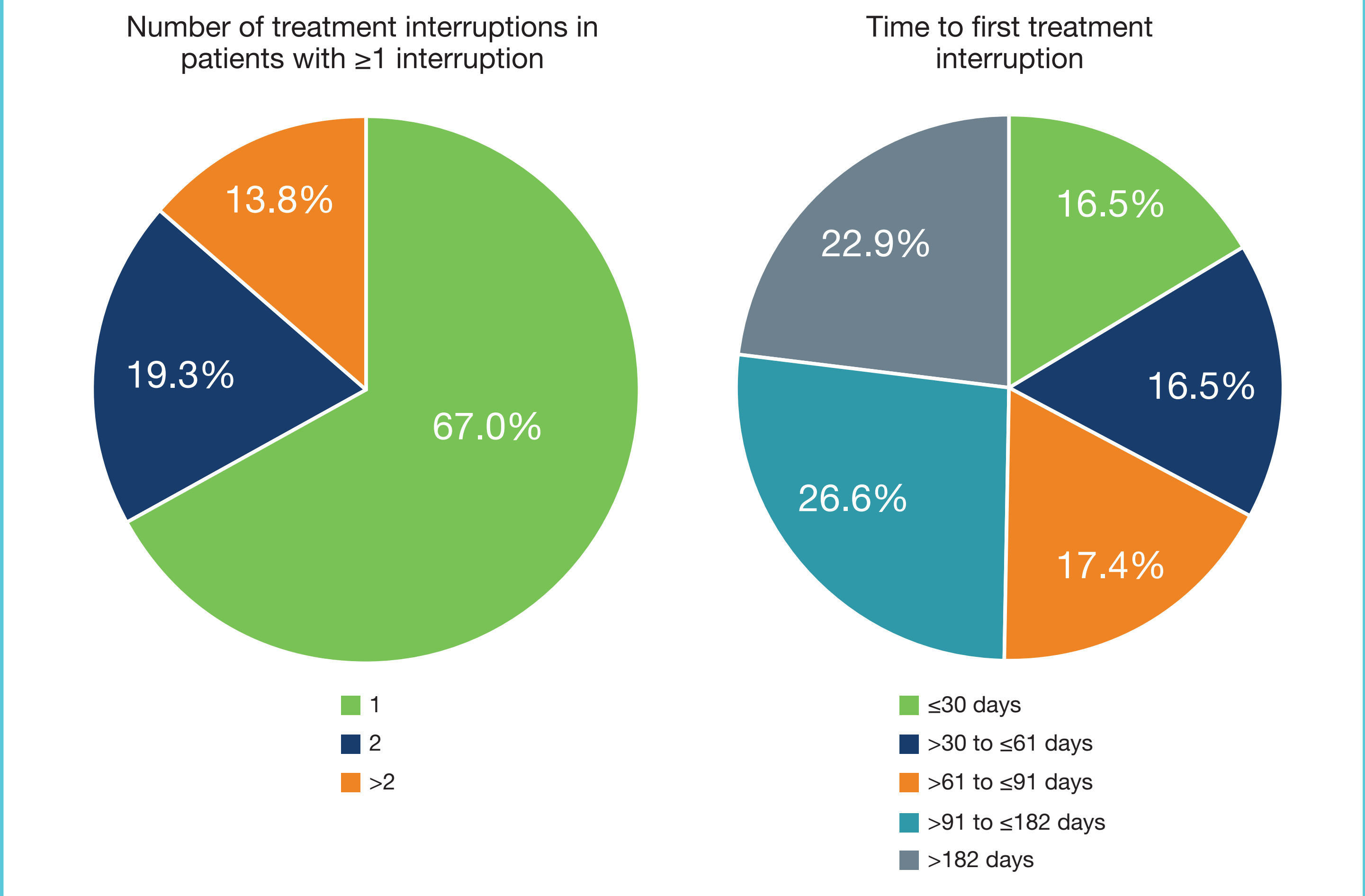
Dose adjustments



Nintedanib dose reductions over 52 weeks



Nintedanib treatment interruptions over 52 weeks



- Over 52 weeks, 59.2% of dose reductions and 41.2% of treatment interruptions were due to diarrhoea.
- Mean (SD) total duration of treatment interruptions was 23.1 (17.4) days.

Annual rate of decline in FVC

