

Infusion-Related Reactions with Ocrelizumab in Relapsing Multiple Sclerosis: Over 9 Years of Data from OPERA OLE

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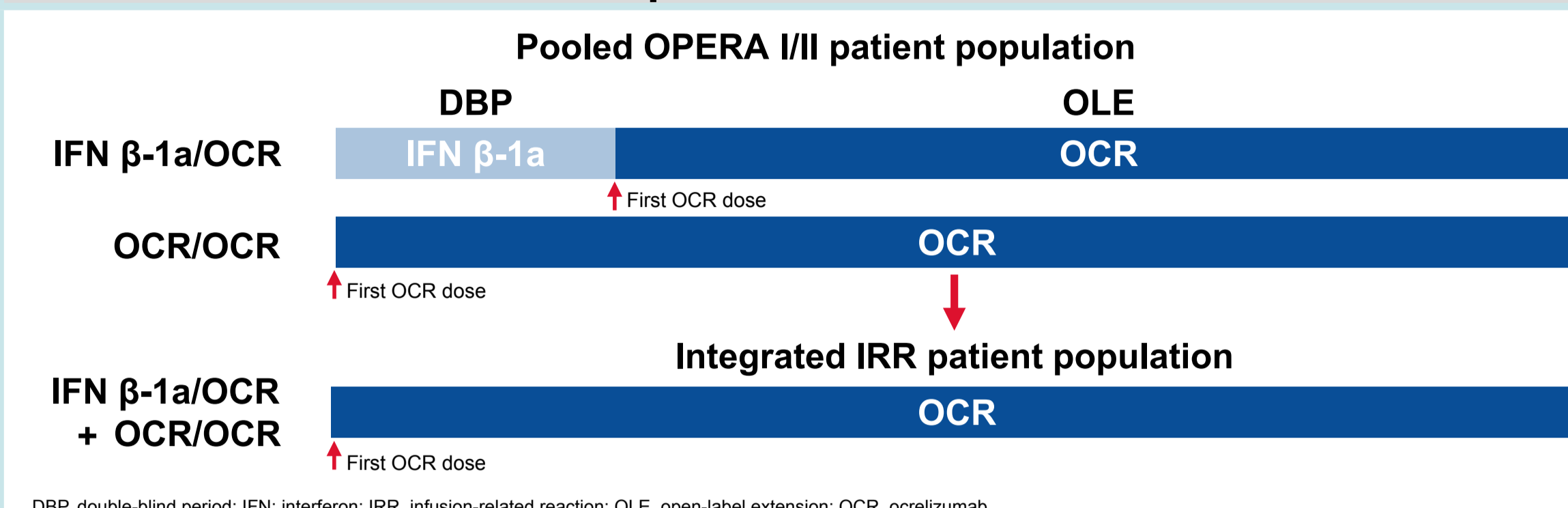
BACKGROUND

- Infusion-related reactions (IRRs), the most common adverse events in the ocrelizumab (OCR) OPERA I/II studies (NCT01247324/ NCT01412333), were typically mild to moderate, were most frequent with the first infusion, and decreased with subsequent doses^{1,2}
- Long-term data on the IRR profile of OCR are useful for clinical practice
- By looking at 9 years of data from the OPERA open-label extension (OLE) (data cut: November 2021), the long-term IRR safety profile of OCR was characterised in patients with relapsing multiple sclerosis (PwRMS)

METHODS

- In the 96-week double-blind period (DBP) patients were randomised to OCR or IFN β -1a
- Patients continued OCR or switched from IFN β -1a to OCR in the OLE (clinical cut-off date: November 2021)
- IRR analyses are based on integrated data for all patients who received OCR
- The frequency, severity and types of IRR were analysed during and 24 hours post-infusion

Pooled OPERA I/II Patient Population

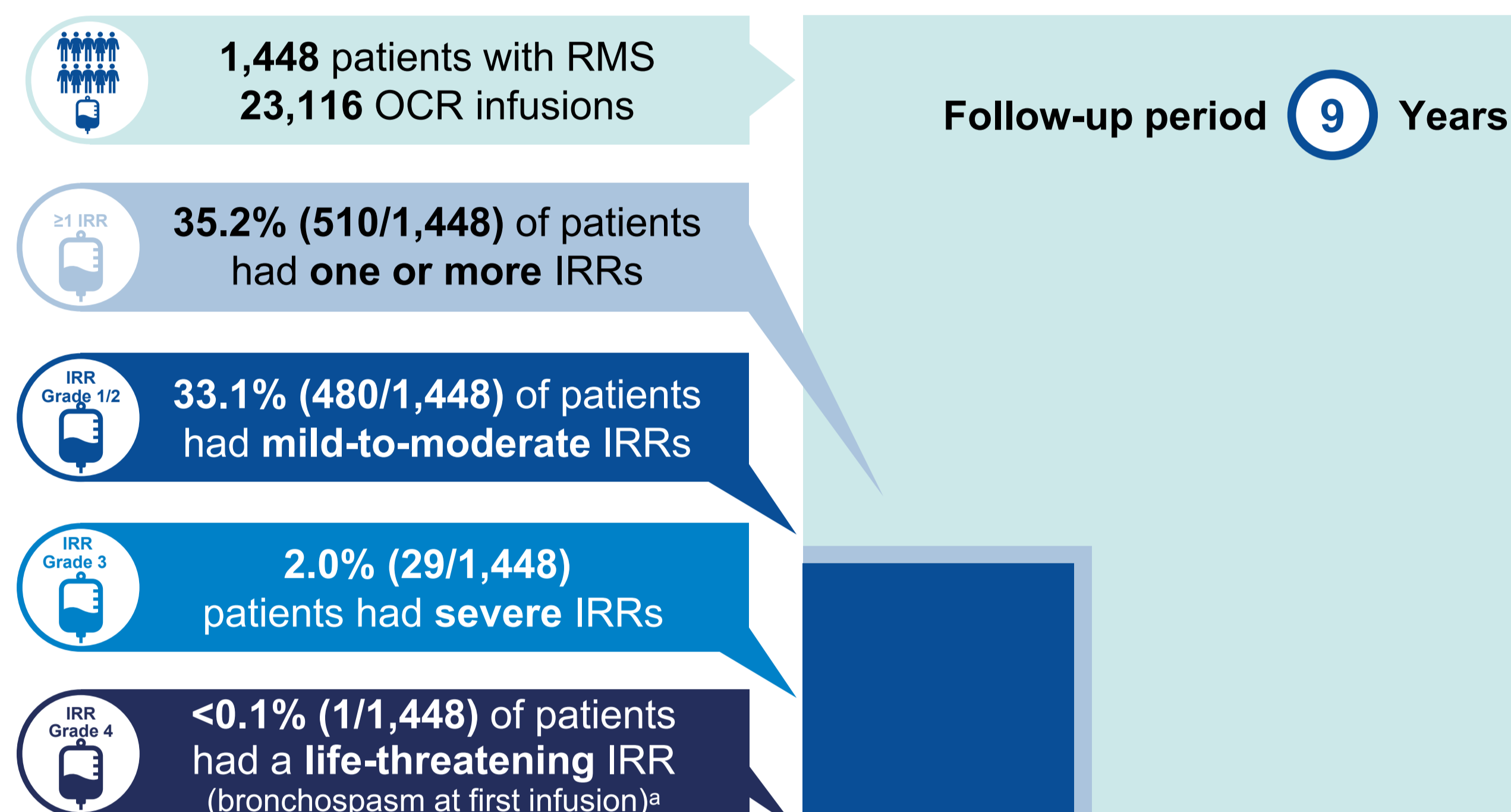


RESULTS

Patient Disposition

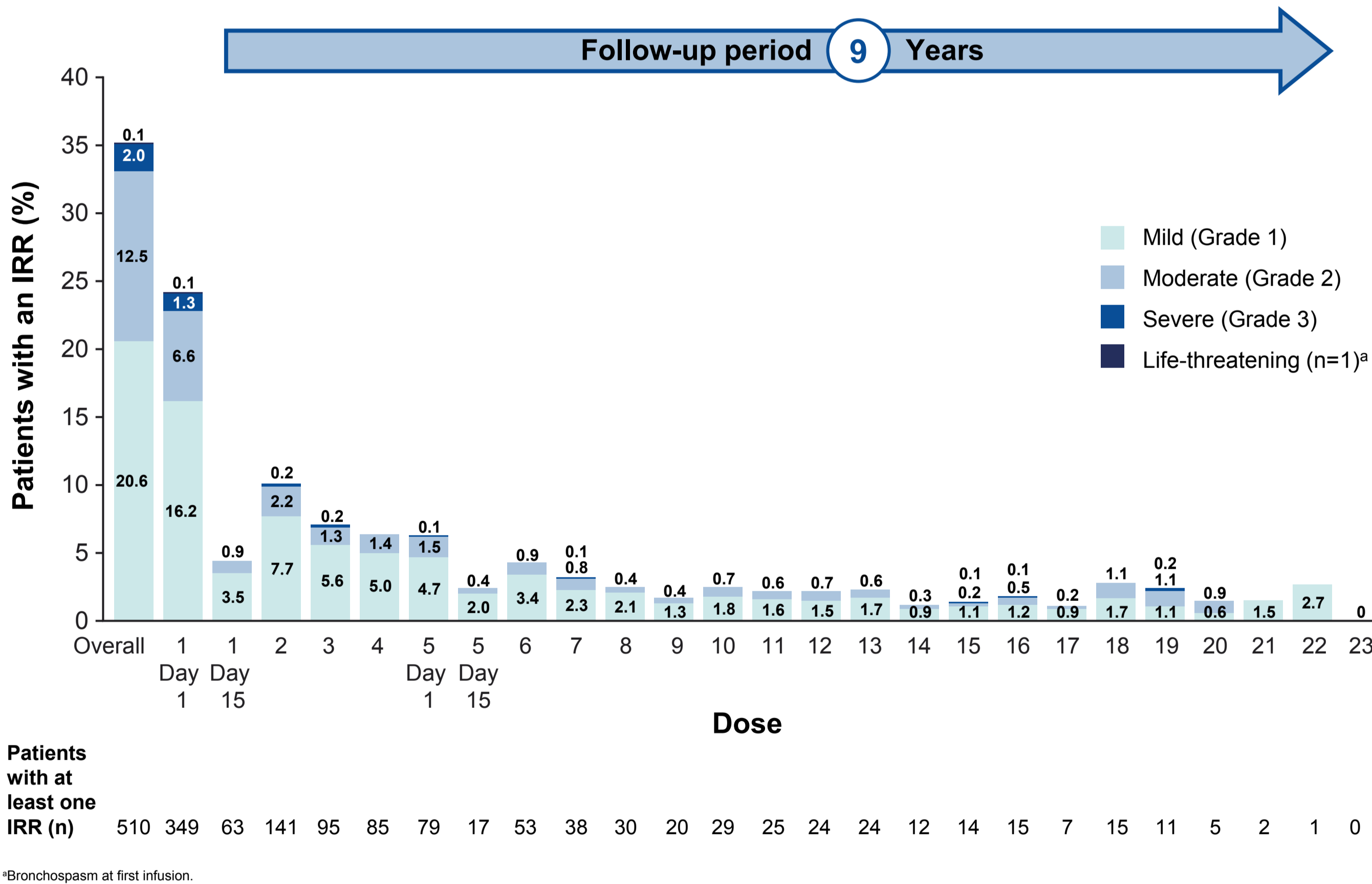
- Over 9 years, a total of 1,448 PwRMS underwent randomisation (OCR all-exposure population) in the OPERA I and OPERA II studies
- As of November 2021, after up to 9 years of continuous therapy, the majority of patients (65.7%; 951/1,448) remained on OCR

IRR Incidence and Severity



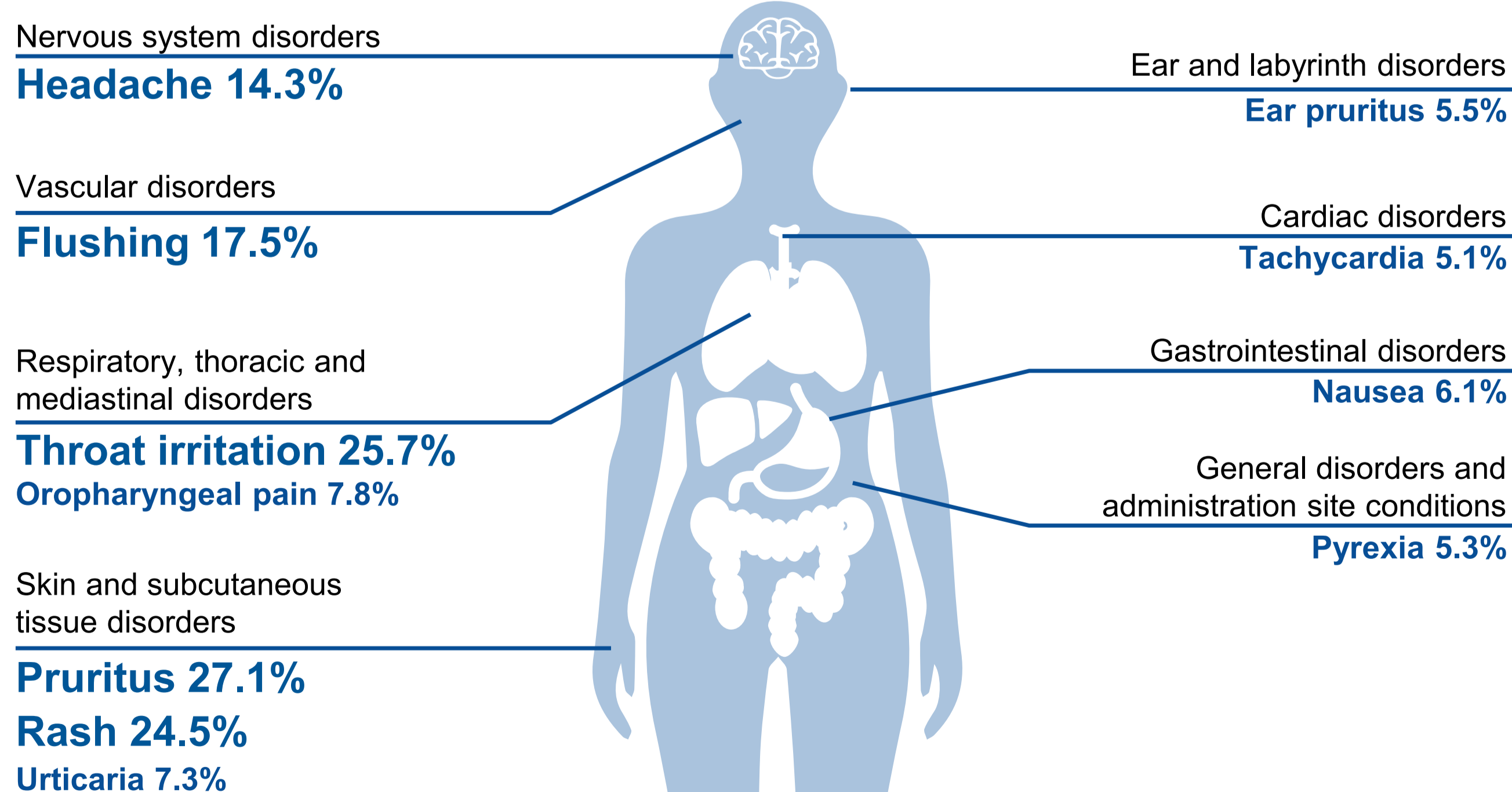
IRRs by Dose and Severity

After infusion 1, IRRs decreased in frequency and severity with subsequent dosing (up to infusion 23); no serious IRRs occurred



Most Frequent ($\geq 10\%$) and Other Frequent (≥ 5 – $<10\%$) IRR Symptoms

The IRR symptom pattern remained consistent over time



CONCLUSIONS

- Over more than 9 years of continuous ocrelizumab treatment, IRRs after the first dose remained low, were manageable and did not impact long-term treatment
- The very high compliance observed with ocrelizumab infusions over 9 years, supports the use of ocrelizumab as a safe and convenient intravenous anti-CD20 therapy for long-term use in patients with multiple sclerosis

REFERENCES

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- Hauer S, et al. *Neurology*. 2021;97:e1546–e1559.

DISCLOSURES

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