Results of ASCLEPIOS I and II:

Ofatumumab in relapsing forms of multiple sclerosis

ASCLEPIOS I and II are twin, flexible duration (up to 30 months), double-blind, randomized, multi-center Phase III studies evaluating the safety and efficacy of ofatumumab 20 mg monthly subcutaneous injections versus teriflunomide 14 mg oral tablets taken once daily in adults with a confirmed diagnosis of relapsing forms of multiple sclerosis (RMS).¹²

About the studies:



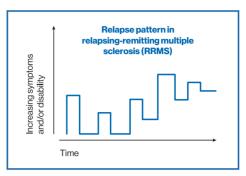




Key endpoints and findings from the **ASCLEPIOS** studies[†]:

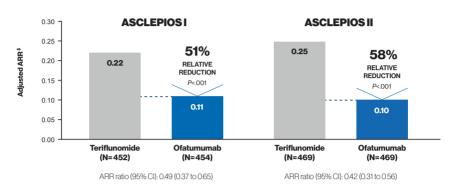
Relapses

- · During a relapse, people with MS experience new or worsening symptoms for at least 24 hours.³
- The annualized relapse rate (ARR) estimates the average number of relapses a group of patients experienced over a year.4
- The ASCLEPIOS I and II studies showed that patients treated with ofatumumab had 51% and 58% reduction in ARR, respectively, compared with teriflunomide.



Relapse frequency varies depending on the type of MS.⁶ RMS include clinically isolated syndrome (CIS), RRMS and active secondary progressive MS (aSPMS).

RMS patients on of a tumumab demonstrated a significant reduction in risk of relapses compared with teriflunomide in both studies.⁵



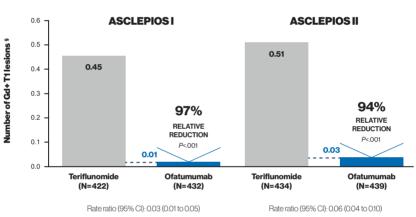
Full analysis set. Primary endpoint. *Negative binomial regression model. N, total number of patients included in the analysis APR, annualized relapse rate, CI, confidence interval.

Imaging of lesions

- · Magnetic resonance imaging (MRI) scans are used to directly assess disease activity in the brain by detecting areas of inflammation and scarring or lesions.8
- Two common scans are T1 and T2, which measure different types of lesions in the brain. T1 lesions provide information about current disease activity by detecting areas of active inflammation, whereas T2 lesions show the total number of lesions.⁸ For better visualization of the lesions the contrast agent called gadolinium (Gd) is used.
- ASCLEPIOS I and II showed that of atumumab significantly reduced both gadolinium-enhancing (Gd+) T1 lesions and new or enlarging T2 lesions compared with teriflunomide.⁵

Of a tumumab significantly reduced Gd+ T1 lesions when compared with

teriflunomide, demonstrating a profound suppression of new inflammatory activity.5,8



Full analysis set. Secondary endpoint. End of study N. total number of patients included in the analysis. «Negative binomial regression model Cl. confidence interval: Gd+, gadolinium-enhancing

Disability worsening

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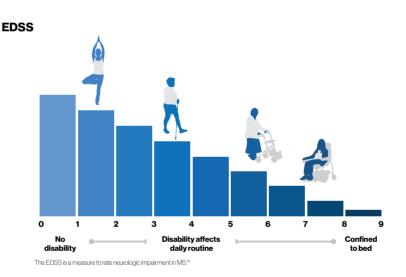
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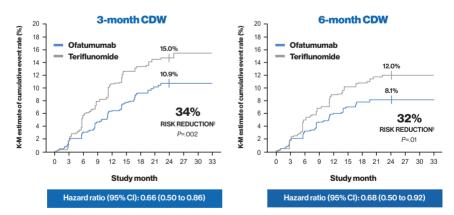
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- A sustained change in a person's EDSS score, which quantifies disability, can be considered confirmed disability worsening (CDW), a measure that helps determine disease progression over time.9
- CDW can be defined as an increase from the starting EDSS score that lasts for a specific period of time, such as 3 or 6 months in the case of the ASCLEPIOS studies.^{1,2}



Of a tumumab showed a relative risk reduction of 34% in 3-month CDW and 32% in 6-month CDW versus teriflunomide, in pre-specified pooled analyses.⁵

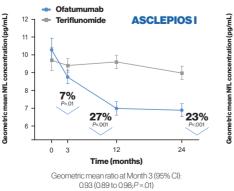


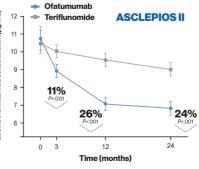
Full analysis set. Secondary endpoints. 'Cox regression model. CDW, confirmed disability worsening; CI, confidence interva

Nerve cell damage

- Nerve cells in the central nervous system can become damaged in MS.¹¹
- Neurofilament light chain (NfL) is a protein that is released into circulation when axons, a part of nerve cells, are damaged.¹¹
- . NfL appears to be a promising biomarker to measure nervous system damage and monitor MS disease activity.11

Ofatumumab significantly lowered NfL serum levels at Month 3 and in all subsequent assessments during the studies as compared with teriflunomide.⁵





Geometric mean ratio at Month 3 (95% CI) 0.89 (0.85 to 0.93; P<.001)

Full analysis set. Secondary endpoint. Repeated measures model. Cl, confidence interval; NfL, neurofilament light chain.

- Ofatumumab had a similar safety profile to teriflunomide, with the frequency of serious infections and neoplasms also being similar across both treatment groups.⁵
- Injection-related reactions, nasopharyngitis, headache, injection-site reactions, upper respiratory tract infection and urinary tract infection were the most commonly observed adverse events across both treatment groups, occurring in ≥10% of patients.⁵

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