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Title page

Randomized, Double-Masked, Active-Controlled, Phase 3 Study of the Efficacy and Safety of High Dose Aflibercept in Patients With Neovascular Age-Related Macular Degeneration

Efficacy and Safety of High Dose Aflibercept in Patients With Neovascular Age-Related Macular Degeneration (nAMD)

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Abbreviations

| | aflibercept 2 mg administered every 8 weeks, after 3 initial injections at 4-week |
|--------------|--|
| 2q8 | intervals |
| AAS | ADA Analysis Set |
| ADA | Anti-drug Antibodies |
| AE | Adverse event |
| ANCOVA | Analysis of covariance |
| APTC | Anti-Platelet Trialists Collaboration |
| AUCinf | Area under the curve from time zero to infinity |
| AUClast | Area under the curve to the last quantifiable concentration |
| BCVA | Best corrected visual acuity |
| BLOQ | Below limit of quantification |
| BMI | Body mass index |
| CI | Confidence interval |
| Cmax | Maximum concentration |
| CNV | Choroidal neovascularization |
| CRF | Case Report Form |
| CSE | Carebrospinol fluid |
| CSP | Clinical Study Report |
| COR | |
| | Central subfield retinal thickness |
| Ctrough | I rough concentration |
| DB | Database |
| DPKS | Dense Pharmacokinetic analysis set |
| DRSS | diabetic retinopathy severity scale |
| DMC | Data Monitoring Committee |
| DRM | Dose regimen modification |
| ECG | Electrocardiogram |
| ED | Early Discontinuation |
| EMA | European Medicines Agency |
| EOS | end of study |
| EP-SAP | EMA/PMDA Statistical Analysis Plan |
| ETDRS | Early Treatment Diabetic Retinopathy Study |
| FA | fluorescein angiography |
| FAS | Full Analysis Set |
| FCS | Fully Conditional Specification |
| FDA | U.S. Food and Drug Administration |
| FP | fundus photography |
| GA | Geographic atrophy |
| G-SAP | Global Statistical Analysis Plan |
| HD | High dose (aflibercent 8 mg) |
| | high dose affibercent 8 mg administered every 12 weeks after 3 initial injections at |
| HDa12 | 4. week intervals |
| IIDq12 | high dose affibercent 8 mg administered every 16 weeks after 3 initial injections at |
| HDa16 | A-week intervals |
| ньцю ні т | MedDR A High level term |
| ICE | Intercurrent event |
| ICGA | Indoevenine green angiography |
| IOP | Introcyaline green angiography |
| IDI | Intractinal fluid |
| IVT | Introvitreel |
| | Internetive Despense System |
| | Lower limit |
| | |
| | Lower limit of montification |
| LLOQ | Lower minit of quantification |
| LOCE | Last observation carried forward |
| LOQ | Limit of quantification |
| LS | Least squared |
| LSmeans | Least-square means |

| Missing at random |
|--|
| Markov Chain Monte Carlo |
| Medical Dictionary for Regulatory Activities |
| Multiple imputation |
| Mixed model for repeated measurements |
| Missing not at random |
| Neutralizing antibody data |
| Neovascular (wet) age-related macular degeneration |
| NAb Analysis Set |
| National Eye Institute Visual Functioning Questionnaire-25 |
| Observed case |
| optical coherence tomography angiography |
| Potentially clinically significant value |
| Polypoidal choroidal vascularization |
| Protocol deviation |
| Pharmacokinetics |
| Pharmacokinetic analysis set |
| Pharmaceuticals and Medical Devices Agency (Japan) |
| Per protocol set |
| Preferred Term |
| every 12 weeks |
| every 16 weeks |
| Serious adverse event |
| Safety Analysis Set |
| Statistical Analysis Plan |
| Standard deviation |
| Spectral domain optical coherence tomography |
| Primary system organ class |
| Subretinal fluid |
| Subretinal pigment epithelium |
| Half-life |
| Last time point |
| Time of Cmax |
| Treatment-emergent adverse event |
| Tables, figures and listings |
| Unscheduled Assessment |
| Upper limit of normal |
| Anti-vascular endothelial growth factor |
| |

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1. Introduction

Neovascular (wet) age-related macular degeneration (nAMD) is a major health issue in aging populations globally. Vision loss in nAMD results from the abnormal growth and leakage of blood vessels in the macula. In elderly patients affected by nAMD, vision loss frequently has an even greater impact, as it substantially reduces the visual compensation of functional impairment by other age-related comorbidities, such as arthritis and osteoporosis.

Although many patients benefit from treatment with currently available anti-vascular endothelial growth factor (VEGF) agents, a sizable proportion of patients still need intravitreal (IVT) injections as frequently as every 4 to 8 weeks, specifically in the first year of treatment. A continued need for treatment in intervals as short as 4 to 8 weeks poses significant treatment burden to patients, physicians, and to healthcare systems. In addition, long-term data in patients with nAMD suggest that visual benefits achieved in the first year of treatment may be lost if regular dosing is not maintained.

EYLEA (also known as aflibercept 2 mg) is a VEGF antagonist approved as of 07 OCT 2019 in over 109 countries for the treatment of nAMD at a dosage level of 2 mg (administered at a concentration of 40 mg/mL injected IVT) administered every 8 (q8) weeks.

This study will investigate the efficacy and safety of a high dose aflibercept 8 mg (HD; provided at a concentration of 114.3 mg/mL) with the intent of achieving non-inferior best corrected visual acuity (BCVA), while extending the dosing interval and potentially improving visual and/or anatomic outcomes for HD versus the currently approved aflibercept 2 mg dose regimen.

This statistical analysis plan (SAP) describes all details of the required statistical analyses to be conducted at Week 48, Week 60 and Week 96 (end of study [EOS]). The summary tables, figures and listings (TFLs) to be included in the Clinical Study Report (CSR) will be defined in a separate document. This SAP is based on the integrated clinical study protocol version 3.0 (dated 26 APR 2022), which includes Amendment 2. All references to study protocol hereafter refer to that version of the protocol.

2. Study Objectives

Table 2–1: Objectives and Endpoints

| Objectives | Endpoints |
|---|---|
| Primary | |
| To determine if treatment with aflibercept 8 mg (HD) at intervals of 12 or 16 weeks provides non- inferior BCVA change compared to aflibercept 2 mg every 8 weeks in participants with nAMD | Primary Endpoint Change from baseline in BCVA measured by the Early Treatment Diabetic Retinopathy Study (ETDRS) letter score at Week 48 |
| Secondary - Efficacy | |
| To determine the effect of HD versus 2 mg aflibercept on other visual and anatomic measures of response | Key Secondary Efficacy Endpoints Change from baseline in BCVA measured by the ETDRS letter score at Week 60 (for regulatory submissions to European Medicines Agency/Pharmaceuticals and Medical Devices Agency [EMA/PMDA] Analysis Plan only, see Section 6.2 Proportion of participants with no intraretinal fluid (IRF) and no subretinal fluid (SRF) in central subfield at Week 16 Additional Secondary Efficacy Endpoints Proportion of participants gaining at least 15 letters in BCVA from baseline at Week 48 Proportion of participants achieving an ETDRS letter score of at least 69 (approximate 20/40 Snellen equivalent) at Week 48 Change in choroidal neovascularization (CNV) size from baseline to Week 48 Change in total lesion area from baseline to Week 48 Change from baseline in central subfield retinal thickness (CST) at Week 48 Change from baseline in National Eye Institute Visual Functioning Questionnaire-25 (NEI-VFQ-25) total cancer |
| Secondary - Safety | |
| To evaluate the safety of aflibercept | Treatment-emergent adverse events (AEs) and serious AEs (SAEs) through Week 48, 60, and 96 |
| To evaluate the pharmacokinetics (PK) and immunogenicity of aflibercept | Systemic exposure to aflibercept as assessed by plasma concentrations of free, bound, adjusted bound and total aflibercept from baseline through Week 48 Assessment of immunogenicity to aflibercept through end of study (Week 96) |

Table 2–1: Objectives and Endpoints

| Objectives | Endpoints |
|--|---|
| Exploratory | |
| To determine the effect of HD versus 2 mg aflibercept on functional and anatomic | Change from baseline in BCVA measured by the ETDRS letter score at Week 96 Change from baseline in BCVA averaged over the |
| measures of response as well as on vision-related quality of life | period from Week 36 to Week 48 and from Week 48 to Week 60 |
| | Proportion of participants gaining at least 15 letters in BCVA from baseline at Week 60 and Week 96 |
| | Proportion of participants achieving an ETDRS letter score of at least 69 (approximate 20/40 Snellen equivalent) at Week 60 and Week 96 |
| | Proportions of participants gaining and losing at least 5 or at least 10 letters in BCVA from baseline at Week 48, Week 60, and Week 96 |
| | Proportion of participants losing at least 15 letters in BCVA from baseline at Week 48, Week 60, and Week 96 |
| | Change in CNV size from baseline to Week 60 and Week 96 |
| | Change in total lesion area from baseline to Week 60 and Week 96 |
| | Change from baseline in CST at Week 60 and Week 96 |
| | Proportion of participants with no IRF and no SRF in the central subfield at Week 96 |
| | Proportion of participants without retinal fluid (total fluid, IRF, and/or SRF) and subretinal pigment epithelium (subRPE) fluid in central subfield at Week 48, Week 60, and Week 96 |
| | Time to fluid-free retina over 48 weeks, 60 weeks, and 96 weeks (total fluid, IRF, and/or SRF in the central subfield) |
| | Proportion of participants with sustained fluid-free retina over 48 weeks, 60 weeks, and 96 weeks (total fluid, IRF, and/or SRF in the central subfield) |
| | Change from baseline in NEI-VFQ-25 total score at Week 60 and Week 96 |
| | Proportion of participants without leakage on fluorescein angiography (FA) at Week 48, Week 60, and Week 96 |
| To evaluate the duration of effect of HD after 3 initial doses at 4-week intervals followed by | Proportion of participants with q16 or longer treatment interval through Week 48, Week 60, and Week 96 in HDq16 group |
| dosing q12 or q16 | Proportion of participants with q12 or longer interval through Week 48, Week 60, and Week 96 in the HDq12 and HDq16 groups |
| | Proportion of participants with q12 or q16 or longer treatment interval as the last treatment interval at Week 48, Week 60, and Week 96 in HDq12 and HDq16 groups, respectively |
| Based on dense PK sampling, | Concentrations of free, bound, adjusted bound and total aflibercent over time, and PK parameters |
| in plasma over time, and corresponding PK parameters | total amberoept over time, and interes |

Table 2–1: Objectives and Endpoints

| Objectives | Endpoints |
|---|--|
| for aflibercept | |
| For all participants, explore the relationship between PK and | Relationship of free aflibercept concentrations and blood pressure |
| selected systemic and ocular | Dose and/or exposure-response analyses for select |
| response variables | safety and efficacy endpoints, as appropriate |
| Other Pre-specified Objectives | These objectives will be reported outside of the CSR. |
| To study molecular drivers of nAMD or related diseases, clinical efficacy of aflibercept, | Evaluation of clinical efficacy parameters by repertoire or frequency of genetic alterations (genomics substudy) |
| and affected molecular pathways | I reatment related changes in circulating biomarkers (future biomedical research [FBR]) |

Additional pre-specified exploratory efficacy endpoints and analyses are added to this SAP for submission to the US FDA (based on the G-SAP that constitutes the primary analysis for the study). See Appendix 9.7 for details.

3. Study Design

This is a randomized, double-masked (participant and investigator masked), active-controlled, multi-center study with 3 parallel groups.

The study consists of a screening/baseline period, a treatment period with duration of 92 weeks, and an end of study visit at Week 96 (and a safety follow-up visit at Week 100 for French participants only). No study intervention will be administered at the end of study visit at Week 96 (or Week 100).

Approximately 960 eligible participants with nAMD will be randomly assigned to receive IVT injections of HD or 2 mg in a 1:1:1 ratio to 3 parallel treatment groups (320 in each group):

- 2q8: aflibercept 2 mg administered every 8 weeks, after 3 initial injections at 4-week intervals.
- HDq12: aflibercept 8 mg administered every 12 weeks, after 3 initial injections at 4-week intervals.
- HDq16: aflibercept 8 mg administered every 16 weeks, after 3 initial injections at 4-week intervals.

Participants will be centrally assigned to randomized study intervention using an Interactive Response System (IXRS). Before the study is initiated, the directions for the IXRS will be provided to each site.

Study intervention will be dispensed at the study visits summarized in the schedule of activities in the study protocol.

Participants will be stratified based on baseline BCVA (<60 vs. \geq 60) and geographical region (Japan vs. Rest of World), to ensure balanced distribution of the treatment groups within each stratum. A Dense PK Substudy is planned to be conducted in 24 participants (refer to Section 6.3.2).

Only one eye can be treated within the study. Sham procedures will be done on visits when an active injection is not planned. No sham procedures will be done at the non-treatment visits 5

(Day 60-64) and 6 (Week 12). At all subsequent visits, all participants will receive either active study treatment injection or sham procedure (for masking purposes), depending on their assigned treatment schedule (including any changes to the interval based on the dose regimen modification (DRM) assessments).

For masking purposes, assessments for DRM will be performed in all participants at all visits (through the IXRS) starting from Week 16.

Based on these assessments, participants in the HD groups may have their treatment intervals shortened or extended. The minimum interval between injections will be 8 weeks, which is considered a rescue regimen for participants randomized to HD aflibercept who are unable to tolerate a dosing interval greater than every 8 weeks. Participants in the aflibercept 2 mg group will remain on fixed q8 dosing throughout the study (i.e., will not have modifications of their treatment intervals regardless of the outcomes of the DRM assessments).

Beginning at Week 16, participants in the HD groups may have the dosing interval shortened based on meeting pre-specified DRM criteria.

Starting at Week 52, all participants randomized to HDq12 or HDq16 will be eligible for adjustments of their treatment intervals (shortening or extension) based on pre-specified DRM criteria, with the dose interval adjustments (shortening or extension) becoming effective at or after Week 60. All participants will be followed every 4 weeks through Week 96 (Week 100 for French participants only).

Due to differing requirements for the submission to regulatory authorities, 2 different testing strategies will be applied, which will be detailed in this SAP document: a Global plan (G-SAP) and an European Medicines Agency [EMA] and Pharmaceuticals and Medical Devices Agency [PMDA] plan (EP-SAP). The G-SAP will constitute the main analysis for the study. The EP-SAP has been specifically planned for submission to the EMA/PMDA regulatory authorities.

An analysis of data up to Week 48 (including the primary efficacy analysis according to the G-SAP) will take place once all participants have completed Week 48 (or prematurely discontinued). A further analysis of data up to Week 60 (including a confirmatory analysis at this time point according to the EP-SAP) will take place once all participants have completed Week 60 (or prematurely discontinued). Furthermore, a descriptive analysis of all data will be conducted after all participants have completed the study at Week 96 (or prematurely discontinued). This SAP covers all three planned analyses.

The databases and analyses at Week 48 and Week 60 will only include study intervention information up to the visit prior to Week 48 and Week 60, respectively. For these visits (Week 48 and Week 60, respectively), only data assessed prior to the study intervention will be part of the database/analyses. Further details are provided in a separate document "Data Cut-Off Specifications".

Masking of the study site personnel will continue until the end of the study. Masking/unmasking of the study team is described in the study protocol and will further be detailed in the blinding maintenance plan.

4. General Statistical Considerations

4.1 General Principles

Continuous data will be summarized in terms of the number of observations, mean, standard deviation (SD), median, quartiles, minimum, and maximum. The minimum and maximum will be reported to the same number of decimal places as the raw data recorded in the database (DB). All other statistics (mean, median, quartiles, arithmetic SD, confidence intervals [CI]) will have one additional decimal place more than the raw data recorded in the database.

Categorical data will be summarized in terms of the number of participants providing data at the relevant time point (n), frequency counts and percentages. Percentages will be presented to one decimal place. Percentages will not be presented for zero counts. Percentages will be calculated using n (the number of observations with non-missing values) as the denominator, except for outputs where the denominator is already specified differently. Change from baseline will be calculated as the visit value of interest minus the baseline value.

All p-values should have 4 decimal digits; in case of p-values less than 0.0001, the documentation should be <.0001.

The statistical evaluation will be performed by using the software package SAS release 9.4 or higher (SAS Institute Inc., Cary, NC, USA).

4.1.1 Determination of Sample Size

The sample size calculation is based on the primary endpoint analysis, "change from baseline in BCVA measured by Early Treatment Diabetic Retinopathy Study (ETDRS) letter score to Week 48" in 2 comparisons to assess non-inferiority: HDq12 versus 2q8, and HDq16 versus 2q8.

The sample size has been calculated under the following assumptions:

- The changes in BCVA letter score from baseline are normally distributed.
- The true difference in the mean change in BCVA between HDq12 and 2q8, and between HDq16 and 2q8 is 0 letters.
- The SD of the residuals is **CCI** (derived from the residuals of an analysis of covariance (ANCOVA) analysis of the VIEW1/VIEW2 studies).

Under the hierarchical testing strategy, a sample size of 288 evaluable participants per group provides 94% power for rejecting the initial null hypothesis (HDq12 vs 2q8) for the primary endpoint assessing non-inferiority with a 1-sided t-test at significance level of 0.025. The power to reject both primary null hypotheses (HDq12 vs 2q8 and HDq16 vs 2q8) is 88%. Under the prior testing strategy that was planned originally (before Protocol version 3.0, Global Amendment 2), a sample size of 288 evaluable participants per group provides 90% power for rejecting each of the null hypotheses for the primary endpoints assessing non-inferiority (HDq12 vs 2q8 and HDq16 vs 2q8) with a 1-sided t-test at significance level of 1.25% (=2.5%/2 Bonferroni correction).

Approximately 10% of the participants are assumed to drop out before Week 48 (time point of the primary endpoints). Therefore, approximately 320 participants are to be randomized in each group, leading to a total sample size of approximately 960 participants.

Approximately 1600 participants will be screened to achieve 960 randomly assigned to study intervention and total of 864 evaluable participants for an estimated number of 288 evaluable participants per intervention group.

Justification of Japanese sample size

Out of the total sample size of approximately 960 participants, at least 96 (10%) are to be enrolled in Japan in order to provide consistent results with a certain probability.

For superiority trials, the PMDA guidance (1) proposes to determine the number of Japanese participants so that $D_{Japan} / D_{all} > \pi$ will occur with a probability of 80 % or higher, whereas D_{all} is the treatment difference in the entire study population across regions, and D_{Japan} is the treatment difference within the Japanese sub-population. Furthermore, $\pi = 0.5$ is generally recommended.

As the present study is a non-inferiority trial, this consistency criterion is adapted as follows: $(D_{Japan} + non-inferiority margin) / (D_{all} + non-inferiority margin) > \pi$.

With the sample size of at least 96 Japanese participants and $\pi = 0.5$:

- the probability to show a consistent result in at least one of the 2 hypothesis tests for the primary endpoints assessing non-inferiority (HDq12 vs. 2q8 and HDq16 vs. 2q8)) described in Section 6.2.2 is 81%.
- the probability to show a consistent result in one particular hypothesis test for the primary endpoints is 71%.

4.2 Handling of Dropouts

Dropouts will be defined as participants who prematurely discontinue from the study and study intervention at the same time for any reason. This includes also participants who are lost to follow-up. Possible reasons for premature discontinuation from the study can be found in the protocol, Section 7.2. Additionally, participants might prematurely discontinue from the study and study intervention due to the COVID-19 pandemic. It may be also necessary for a participant to permanently discontinue study intervention, while remaining in the study to be evaluated for safety evaluation as described in the protocol, Section 7.1.

In the case of such premature discontinuation of the study intervention, all assessments, as described in the protocol for the end of study/early discontinuation (ED) visit, should be completed (ED assessments). If the discontinuation from the study and from the study intervention is happening at the same time, an ED visit should be completed (see Section 4.5.3) while for participants who prematurely discontinued study intervention at the timing of one of their regular study intervention visits (i.e. Visits 3-26) but remained in the study afterwards, all ED assessments that were not planned at the respective visit, should be entered as unscheduled assessments and need to be re-mapped to the regular visit, since some assessments are not scheduled to be conducted at each visit.

Data assessed after the time period as described in Table 9–12 below, but prior to study completion or discontinuation will not be used in the main confirmatory analysis of primary and key secondary endpoints.

Handling of missing data due to dropouts is described in Section 6.2 for efficacy variables. No action for missing data due to dropouts is taken for other variables. Participants who dropped out will not be excluded from any summaries except where clearly stated.

4.3 Handling of Missing Data

All missing or partial data will be presented in the participant data listing as they are recorded on the Case Report Form (CRF).

4.3.1 Additional Descriptive Analyses in the Presence of Missing Data

The number of participants who prematurely discontinued from the study and/or study intervention for any reason, as well as the reasons for premature discontinuation from the study and/or study intervention, will be reported. Kaplan-Meier plots for "Time to end of study" and "Time to end of study intervention" will be provided.

4.3.2 General Rules

Where appropriate, the following rules will be implemented so as not to exclude participants from statistical analyses due to missing or incomplete data:

• Efficacy Variables

Statistical methods for missing data due to dropouts in efficacy variables is described in Section 6.2.

• Concomitant medication and adverse events

For AEs and medications the complete start and stop date must be available to determine if the AE or medication is occurring during the study intervention period. When only partial dates are available, the following rules will be used:

If only month and year of the start date are available and the end date is after the date of first study intervention, impute with the first day of the month or with the date of the first study intervention (i.e. first injection in the study eye), whichever occurs later.

If only the year of the start date is available and the end date is after the date of first study intervention, impute with month and day of first study intervention or with the first day of the year, whichever occurs later.

Imputed dates will only be used for summary tables, listings will contain the original (partial) entries.

4.4 Interim Analyses and Data Monitoring

No interim analyses in the sense of a group-sequential or adaptive design are planned.

An analysis of data up to Week 48 (including the primary efficacy analysis) will take place once all participants have completed Week 48 (or prematurely discontinued). A further analysis of data up to Week 60 (including a confirmatory analysis at this time point for regulatory submission to EMA and PMDA) will take place once all participants have completed Week 60 (or prematurely discontinued). A final analysis of all data will be conducted after all participants have completed the study at Week 96 (or prematurely discontinued).

An independent Data Monitoring Committee (DMC) will meet periodically to review the ongoing masked and unmasked safety data of participants in the study and to provide recommendations to continue or terminate the study depending upon these reviews. The operation of the DMC is governed by a charter that describes the group's frequency of meeting, procedures (including but not limited to periodic safety monitoring), and requirements for reporting its observations to the sponsor. No early stopping for overwhelming efficacy is foreseen (consequently no alpha level adjustment will be done with regards to DMC analyses).

A Steering Committee will have close communication with the DMC, but only masked data will be shared or discussed. The study protocol provides more details on this.

Furthermore, potential arterial thromboembolic events (ATEs) will be evaluated by a masked adjudication committee prior to database unmasking. ATEs as defined by the Anti-Platelet Trialists' Collaboration (APTC) criteria include nonfatal myocardial infarction, nonfatal ischaemic stroke, nonfatal haemorrhagic stroke, or death resulting from vascular or unknown causes.

4.5 Data Rules

4.5.1 Determination of Baseline Values

Baseline values are defined as the last valid non-missing measurement at or prior to randomization (including scheduled and unscheduled assessments). This may be the measurement at screening (Visit 1) or the measurement at baseline (Visit 2) depending on the planned timing of procedures for each study visit. The study protocol provides more details on the timing of study procedures.

For systolic and diastolic blood pressure the baseline value is defined as the average of all measurements at or prior to randomization (for participants who failed the initial screening, measurements taken at the initial screening visit will not be included).

4.5.2 Unscheduled Assessments

Any measurements taken at unscheduled visits will be shown in subject data listings but will not be included in any summary tables in general. If more than one measurement of a variable is taken at an unscheduled visit, all measurements will be shown in listings.

4.5.3 End of Study / Early Discontinuation Visit

Participants may discontinue prematurely from study intervention. At the same time or later participants may discontinue prematurely from study. In case of premature discontinuation of the study and/or study intervention, all assessments should be completed, as described in the protocol for the end of study (EOS)/ED visit.

For participants who discontinue prematurely from the study and/or study intervention, visitbased information recorded in the EOS/ED visit folder might be re-mapped to the regular study visit, if the EOS/ED visit was performed within the relevant regular visit window and the corresponding regular study visit was not performed (see detailed rules below). Visit-based information recorded in the EOS/ED visit folder which cannot be re-mapped to the regular study visit will be mapped to "ED Visit" and handled like unscheduled assessments, described in the section above.

For participants who completed the study and study intervention, no re-mapping is necessary, but visit-based information recorded in the EOS/ED visit folder will be mapped to "Visit 27 / Week 96" and displayed in summary tables as such.

For some variables this can result in data for visits at which this variable was not scheduled to be collected. This data will nevertheless be included into the LOCF analyses. In descriptive by visit summary tables and also in repeated measurement analysis, only the pre-planned scheduled visits should be shown/included.

Mapping of selected assessments to regular study visits

The following assessments will be mapped:

- BCVA (ETDRS) and Refraction (24)
- IOP
- Slit Lamp Examination
- Indirect Ophthalmoscopy
- SD-OCT
- Vital signs
- Pregnancy test

The following rule will be used:

• If EOS/ED visit performed within visit window of a regular study visit (as specified in the "Schedule of Activities" in the protocol), then re-mapping to regular study visit

For example, if a participant discontinued prematurely (study and/or study intervention) at the timing of Visit 3 / Week 4 (i.e. EOS/ED visit date = study day 29 ± 5 days), then any of the assessments listed above recorded in the EOS/ED visit folder will be re-mapped to regular study Visit 3, unless a regular study Visit 3 was already performed.

No remapping to Visit 5 will be done (i.e. PK collection visit only).

4.5.4 Imaging data assessed by the reading center

If imaging data have been assessed by the reading center, but were also captured in the eCRF, only the data assessed by the reading center will be used for the analysis.

In summary tables the following parameters will be evaluated and classified as follows:

From spectral domain optical coherence tomography (SD-OCT) assessment:

- Intraretinal fluid (IRF) in <u>central subfield</u> (Reading center variable: IRF presence [IRF], Testname in OE domain: IRTFLVIS):
 - IRF=No (if any of them is ticked):
 - Absent
 - Definite, outside center subfield only
 - Questionable
 - IRF=Yes (if any of them is ticked):
 - Definite, only non-cystoid, center subfield involved
 - Definite, cystoid, center subfield involved
 - IRF=Undetermined (if any of them is ticked):
 - Cannot Grade
 - Not Applicable
- Subretinal fluid (SRF) in <u>central subfield</u> (Reading center variable: SRF presence [SRF], Testname in OE domain: SRFVIS):
 - SRF=No (if any of them is ticked):
 - Absent

- Definite, outside center subfield only
- Questionable
- SRF=Yes:
 - Definite, center subfield involved
- SRF=Undetermined (if any of them is ticked):
 - Cannot Grade
 - Not Applicable
- Subretinal pigment epithelium (subRPE) fluid in <u>central subfield</u> (Reading center variable: SubRPE fluid [SRPEFP], Testname in OE domain: SRPEFP):
 - SubRPE fluid =No (if any of them is ticked):
 - Absent
 - Definite, outside center subfield only
 - Questionable
 - SubRPE fluid =Yes:
 - Definite, center subfield involved
 - SubRPE fluid = Undetermined (if any of them is ticked):
 - Cannot Grade
 - Not Applicable
- IRF in <u>foveal center</u> (Reading center variable: IRF presence at center point [IRFPCP], Testname in OE domain: PRIRFCP):
 - \circ IRF in <u>foveal center</u> = No (if any of them is ticked):
 - IRF presence = Absent
 - IRF presence = Questionable
 - IRF presence = Definite, outside center subfield only
 - IRF presence = Definite, only non-cystoid, center subfield involved AND IRF presence at center point = Absent
 - IRF presence = Definite, only non-cystoid, center subfield involved AND IRF presence at center point = Questionable
 - IRF presence = Definite, cystoid, center subfield involved AND IRF presence at center point = Absent
 - IRF presence = Definite, cystoid, center subfield involved AND IRF presence at center point = Questionable
 - IRF in <u>foveal center</u>=Yes (if any of them is ticked):
 - IRF presence = Definite, only non-cystoid, center subfield involved AND IRF presence at center point = Definite
 - IRF presence = Definite, cystoid, center subfield involved AND IRF presence at center point = Definite

- IRF in <u>foveal center</u>=Undetermined (if any of them is ticked):
 - IRF presence = Cannot Grade
 - IRF presence = Not Applicable
 - IRF presence = Definite, only non-cystoid, center subfield involved AND IRF presence at center point = Cannot Grade
 - IRF presence = Definite, only non-cystoid, center subfield involved AND IRF presence at center point = Not Applicable
 - IRF presence = Definite, cystoid, center subfield involved AND IRF presence at center point = Cannot Grade
 - IRF presence = Definite, cystoid, center subfield involved AND IRF presence at center point = Not Applicable
- SRF in <u>foveal center</u> (Reading center variable: SRF presence at center point [SRFPCP], Testname in OE domain: SRFPCP):
 - SRF in <u>foveal center</u>=No (if any of them is ticked):
 - SRF presence = Absent
 - SRF presence = Questionable
 - SRF presence = Definite, outside center subfield only
 - SRF presence = Definite, center subfield involved AND SRF presence at center point = Absent
 - SRF presence = Definite, center subfield involved AND SRF presence at center point = Questionable
 - SRF in <u>foveal center</u>=Yes:
 - SRF presence = Definite, center subfield involved AND SRF presence at center point = Definite
 - SRF in <u>foveal center</u>=Undetermined (if any of them is ticked):
 - SRF presence = Cannot Grade
 - SRF presence = Not Applicable
 - SRF presence = Definite, center subfield involved AND SRF presence at center point = Cannot Grade
 - SRF presence = Definite, center subfield involved AND SRF presence at center point = Not Applicable
- Central subfield retinal thickness (CST) (Reading center variable: SECTORC, Testname in OE domain: RETHKSEC, note: it is recorded in mm but needs to be summarized in μm)

From fluorescein angiography (FA)/ fundus photography (FP) assessment:

- Geographic atrophy (GA) (Reading center variable: GA, Testname in OE domain: GAVIS):
 - GA=No (if any of them is ticked):

- Absent
- Questionable

• GA=Yes:

- Definite
- GA=Not available (if any of them is ticked):
 - Cannot Grade
 - Not Applicable
- Choroidal neovascularization (CNV) size (Reading center variable: CNVCLSZ [Total CNV area – AreaSize], Testname in OE domain: CNVSIZE, note: it is recorded in mm²)
- CNV type (Reading center variable: CNVTYPE, Testname in OE domain: CNVTYPE):
 - \circ CNVTYPE= Type 1 occult or PCV:
 - Type 1
 - CNVTYPE= Type 2 classic CNV:
 - Type 2
 - CNVTYPE= Type 1 and Type 2 both classic and occult are present:
 - Type 1 and Type 2
 - \circ CNVTYPE= Type 3 RAP:
 - Type 3
 - CNVTYPE= Cannot grade:
 - Cannot grade
 - CNVTYPE= Not applicable no CNV present:
 - Not applicable
- CNV classification (Reading center variable: CNVCLASS, Testname in OE domain: CNVCLASS)
 - CNVCLASS:
 - CNV less than 50% of lesion
 - Predominantly classic
 - Minimally classic
 - Occult only
 - RAP
 - PCV
 - Cannot grade
 - Not applicable

- Total lesion area (Reading center variable: TLEAREA [Total lesion area within ETDRS grid AreaSize], Testname in OE domain: TLESAREA, note: it is recorded in mm²)
- Leakage on fluorescein angiography (based on reading center variables LEAAREA [Leakage Area], LEASIZE [Area Size - Total Leakage Area], RPERIPTE [Presence of RPE Rip Tear (Macular)], Testnames in OE domain: LEAKAREA, LEAKSIZE, RPERIPTE)
 - Leakage = No (when the following is fulfilled):
 - LEAAREA = "Not Applicable" and RPERIPTE is not "Definite"
 - Leakage = Yes (when the following is fulfilled):
 - LEAAREA is not "Not Applicable" and is not "Cannot grade" and LEASIZE > 0
 - Leakage = Undetermined (when any of the following is fulfilled):
 - LEAAREA = "Not Applicable" and RPERIPTE=" Definite"
 - LEAAREA = "Cannot grade"

From indocyanine green angiography (ICGA) assessment:

- Polypoidal choroidal vascularization (PCV) (Reading center variable: PCV, Testname in OE domain: PCV)
 - PCV=No (if any of them is ticked):
 - Absent
 - Questionable
 - PCV=Yes:
 - Definite
 - PCV=Not available (if any of them is ticked):
 - Cannot Grade
 - Not Applicable

The subgroup of participants with PCV is defined as participants with "Definite" PCV in the ICGA assessment (Reading center variable: PCV, Testname in OE domain: PCV) or "PCV" as CNV classification in the FA/FP assessment (Reading center variable: CNVCLASS, Testname in OE domain: CNVCLASS).

4.5.5 Definition of Fellow Eye Treatment

Fellow eye treatment will be identified from the prior and concomitant medication page by

- selecting for any of the following medications:
 - Aflibercept (trade name: Eylea)
 - Bevacizumab (trade name: Avastin)
 - Brolucizumab (trade name: Beovu)
 - Ranibizumab (trade name: Lucentis)

- Faricimab (trade name: Vabysmo)
- Conbercept (trade name Lumitin)
- Pegaptanib sodium (trade name: Macugen)
- and selecting for the laterality of the fellow eye.

Medication that was administered prior to the first dose of study treatment will be considered prior fellow eye treatment, whereas medication that was administered at the first dose of study treatment or later will be considered concomitant fellow eye treatment (i.e. bilateral treatment).

4.5.6 Definition of Prohibited Medications

Prohibited medications as identified from the prior and concomitant medication page are

- any of the following anti-VEGF medications administered in the study eye:
 - Aflibercept (trade name: Eylea), unless administered as study intervention
 - Bevacizumab (trade name: Avastin)
 - Brolucizumab (trade name: Beovu)
 - Ranibizumab (trade name: Lucentis)
 - Faricimab (trade name: Vabysmo)
 - Conbercept (trade name Lumitin)
 - Pegaptanib sodium (trade name: Macugen)
- as well as those following medications administered systemically with the intent of treating AMD in the study or fellow eye:
 - Verteporfin (trade name Visudyne)

Any medication considered necessary for the participant's welfare, and that is not expected to interfere with the evaluation of the study intervention, may be given at the discretion of the investigator.

4.6 Masked Review

Upon each database release (Week 48, Week 60 and Week 96), listings of masked protocol deviations (PDs) and validity findings, as well as the analysis datasets will be produced after release of the final pre-freeze/pre-lock clinical eCRF DB and discussed in Data Review Meetings, where for Week 48 database release it will be decided which participants will be excluded from the per protocol set. The validity for the different analysis sets for the analysis at Week 48, Week 60 and Week 96, respectively, and especially the decision at Week 48 database release regarding the exclusion of participants from the per protocol analysis will be determined. Note, the PPS should not change throughout the analysis at Week 48, Week 60 and Week 96, respectively, since exclusion of subjects is mainly based on screening/baseline data which will not change over time.

For determining the validity for the different analysis sets, all participants of these meetings are masked to the treatment assignment and to the detailed results. The results of these meetings may comprise decisions and details relevant for statistical evaluation. Any changes

to the statistical analysis prompted by the results of the Data Review Meetings will be documented in an amendment to this SAP.

After unmasking of the frozen/locked clinical eCRF DB the analysis datasets will be created again and will be compared with the pre-freeze/pre-lock analysis datasets to verify if there were changes to the clinical eCRF DB and/or to the relevant PDs and also to identify those PDs that can only be assessed after unmasking. Those evaluations for the analyses at Week 48 and Week 60 will be done by an unmasked statistician, while the main study team will remain masked until the final analysis at Week 96 as described in the blinding maintenance plan.

4.7 Outputs/Procedures related to COVID-19

This study started after the onset of the COVID-19 pandemic. A separate listing will display all participants affected by the COVID-19 related study disruption by unique participant identifier and by investigational site, and a description of how the participant's study participation was altered. Other listings will display all participants with protocol deviations associated with the COVID-19 pandemic and with COVID-19 adverse events. Furthermore, tables for participant validity status and disposition will contain COVID-19 pandemic associated findings and reasons.

Additionally, the following summary tables will be displayed:

- Study sample sizes by trial unit: Participants affected by COVID-19 pandemic related study disruption for all enrolled participants
- Number of participants by country / region for all participants affected by COVID-19 pandemic related study disruption
- Number of participants affected by COVID-19 pandemic related study disruption.

Additional analyses may be added due to regulatory requirements or requests.

4.8 Outputs/Procedures related to the Ukraine/Russia crisis

This study started prior to the onset of the 2022 crisis between Russia and Ukraine and includes study sites located in Ukraine and in Russia. A separate listing will display all participants affected by the crisis related findings and deviations by unique participant identifier and by investigational site, and a description of the finding or deviation.

Additional analyses may be added due to regulatory requirements or requests.

5. Analysis Sets

Primary and the key secondary efficacy variables will be evaluated on both the Full Analysis Set (FAS) and the Per Protocol Set (PPS), all other efficacy variables will be evaluated on the FAS only. Safety variables will be analyzed using the Safety Analysis Set (SAF). Sparse pharmacokinetic data will be analyzed using the Pharmacokinetic analysis set (PKS), while dense pharmacokinetic data will be analyzed using the Dense Pharmacokinetic Analysis Set (DPKS). Anti-drug antibody (ADA) data will be analyzed using the ADA Analysis Set (AAS) and neutralizing antibody (NAb) data will be analyzed using the NAb Analysis Set (NAbAS).

5.1 Assignment of Analysis Sets

Final decisions regarding the assignment of participants to analysis sets will be made during the Data Review Meetings prior to unmasking at Week 48, Week 60 and Week 96 and the list of important deviations and validity findings leading to exclusion from analysis sets as well as assignment to analysis sets will be documented in the Data Review Meeting minutes (see Section 4.6).

Full analysis set (FAS)

The FAS will include all participants who have been randomly assigned to study intervention and who received at least 1 dose of study intervention. Participants will be analyzed within their original randomized group (regardless of any changes to dose interval; as randomized).

Per protocol set (PPS)

As defined in the protocol, the PPS will include all participants in the FAS who did not have an important deviation from the protocol affecting the primary efficacy variable or a validity finding as listed below.

More concretely this means, the PPS will include all participants in the FAS that

- did not have any violation of relevant inclusion / exclusion criteria
- had a baseline BCVA value available
- had at least one post-baseline BCVA value available
- had any IRF or SRF affecting the central subfield at baseline according to the definitions described in Section 4.5.4.

Other relevant deviations from the protocol affecting efficacy will be considered as intercurrent events in the context of the Estimands strategy described in Section 9.5.

The final determination on the exclusion of participants from the PPS will be made during the Data Review Meeting (on masked data) held in accordance with ICH E9 prior to database freeze on Week 48 data.

Analysis of the PPS will be performed according to the treatment the participant actually received (as treated).

Safety analysis set (SAF)

The SAF will include all participants who were randomly assigned to study intervention and who received at least 1 dose of study intervention. Analysis of the SAF will be performed according to the treatment the participant actually received (as treated).

PK analysis sets

The PKS will include all participants who received any study intervention and who had at least 1 non-missing drug concentration measurement following the first dose of study intervention. Analysis of the PKS will be performed according to the treatment the participant actually received (as treated).

The DPKS will include all participants who did not meet any of the additional exclusion criteria for the Dense PK Substudy, who gave their written consent to participate in the Dense PK Substudy and who had a at least 1 non-missing drug concentration measurement (dense PK result) following the first dose of study intervention. Analysis of the DPKS will be performed according to the treatment the participant actually received (as treated).

Immunogenicity analysis sets

The AAS will include all participants who received study intervention and had at least 1 nonmissing result in the ADA assay following the first study dose.

The NAbAS will include all participants who received any study intervention that are included in the ADA analysis set and that tested negative at all ADA sampling times or tested positive at one or more post-dose ADA sampling times and had at least one non-missing post-dose NAb result (either imputed or analysis result).

Analysis of both immunogenicity analysis sets will be performed according to the treatment the participant actually received (as treated).

As randomized versus as treated

Since the only systematic deviation from the randomized treatment could occur due to a systematic error in the IXRS system set up, it is assumed that, in general, participants are treated as randomized (i.e. the randomized treatment group will be considered the actual treatment group, unless the participant has not been treated at all after randomization). Isolated incorrect treatments at particular timepoints will not constitute a change in the "as treated" assignment, but will be considered as intercurrent events (refer to Section 9.5).

Participants whose "as treated" assignment differs from their "as randomized" assignment will be listed.

5.2 Definition of Subgroups

The following subgroups will be considered for efficacy analyses:

- Age at enrollment: < 65 years, ≥ 65 to < 75 years, ≥ 75 years to < 80 years, ≥ 80 years to < 85 years, ≥ 85 years
- Sex: male, female
- Geographic region: Japan, Rest of the world
- Ethnicity: Not Hispanic or Latino, Hispanic or Latino
- Race (only subgroups with sufficient sample size): White, Asian
- Baseline BCVA: \leq 73 letters, > 73 letters
- Baseline PCV: yes, no (as defined in Section 4.5.4)

All subgroup analyses will be descriptive only, i.e. any statistical testing / calculation of p-values were done for exploratory purpose.

The following subgroups will be considered for safety analyses:

- Age at enrollment: < 65 years, ≥ 65 to < 75 years, ≥ 75 years to < 80 years, ≥ 80 years to < 85 years, ≥ 85 years
- Sex: male, female
- Geographic region: Japan, Rest of the world
- Ethnicity: Not Hispanic or Latino, Hispanic or Latino
- Race (only subgroups with sufficient sample size): White, Asian
- Medical history of hypertension: No, Yes
- Medical history of cerebrovascular disease: No, Yes

- Medical history of ischaemic heart disease: No, Yes
- Medical history of renal impairment: Normal, Mild, Moderate, Severe
 - Medical history of hepatic impairment: No, Yes

These subgroups are defined in more detail in Appendix 9.4.

6. Statistical Methodology

All summaries will be presented by study intervention. All variables shown in summaries will also be included in subject data listings.

The analysis of the primary and key secondary efficacy endpoints will be done for FAS and also for PPS. Pharmacokinetic analysis will be presented for PKS and DPKS. Safety analyses will be presented for SAF and immunogenicity analyses also for AAS or NAbAS.

6.1 **Population Characteristics**

6.1.1 Demographics and Disease Characteristics

Demographics and baseline assessments of vital signs to be summarized for FAS, DPKS and PPS will include:

- Age (as entered in CRF)
- Age categorized (< 65 years, ≥ 65 to < 75 years, ≥ 75 years to < 80 years, ≥ 80 years to < 85 years, ≥ 85 years)
- Sex
- Race (incl. further subgroupings for Asians) and ethnicity
- Weight (kg)
- Height (cm)
- Body mass index (BMI in kg/m²)
- BMI (\leq 25 kg/m², 25 kg/m² < BMI \leq 30 kg/m², 30 kg/m² < BMI \leq 35 kg/m², BMI > 35 kg/m²)
- Systolic blood pressure
- Diastolic blood pressure
- Heart rate
- Body temperature (°C)
- Fellow eye with history of wet AMD (YES/NO)
- Prior fellow eye treatment (as defined in Section 4.5.6) (YES/NO)
 - o Aflibercept
 - o Bevacizumab
 - o Brolucizumab
 - o Ranibizumab
 - o Faricimab
 - Conbercept
 - o Pegaptanib sodium

- Hypertension: yes, no
- Medical history of cerebrovascular disease: yes, no
- Medical history of ischaemic heart disease: yes, no
- Medical history of renal impairment: normal, mild, moderate, severe
- Medical history of hepatic impairment: yes, no

Baseline assessments of disease characteristics to be summarized for FAS, DPKS and PPS will include:

- Baseline BCVA (ETDRS letters score)
- Categorized baseline BCVA: \leq 73 letters, > 73 letters
- Categorized baseline BCVA: $< 60, \ge 60$ letters
- Baseline intraocular pressure (IOP in mmHg)
- Baseline GA (YES/NO/not available as defined in Section 4.5.4)
- Baseline PCV (YES/NO/not available as defined in Section 4.5.4)
- Baseline CST (in µm as defined in Section 4.5.4)
- Baseline CNV size (in mm^2 as defined in Section 4.5.4)
- Baseline total lesion area (in mm^2 as defined in Section 4.5.4)
- CNV type (as defined in Section 4.5.4)
- CNV classification (as defined in Section 4.5.4)
- Baseline National Eye Institute Visual Functioning Questionnaire-25 (NEI-VFQ-25, total score)

Demographic data and baseline characteristics variables will be summarized using descriptive statistics for all three analysis sets (i.e. FAS, DPKS and PPS). Disease characteristics will be presented in a separate table. Only data of the study eye will be shown although most examinations are done bilateral.

6.1.2 Medical History

Medical history will be coded according to the version of Medical Dictionary for Regulatory Activities (MedDRA) available at database lock. Medical history is evaluated by a frequency table, showing number of participants with medical history findings by primary system organ class (SOC) and preferred term (PT). Ocular medical or surgical history of the study eye, ocular medical or surgical history of the fellow eye and non-ocular medical or surgical history will be summarize, respectively. All summaries will be presented for the SAF. Additionally, a listing including medical history records will be provided.

6.1.3 Disposition of Study Participants

The following categories for disposition of participants will be summarized descriptively:

The total number of participants who signed informed consent, were randomized, treated, completed study intervention and completed study for the respective analysis (Week 48, Week 60 and Week 96). The summary will include all participants who gave informed consent. Participants prematurely discontinuing the study/ study intervention will be summarized by reason for discontinuation.

The total number and percentage of participants who qualified as FAS, SAF, PPS, PKS, DPKS, AAS and NAbAS (as defined in Section 5.1) including the reasons for exclusion from the respective analysis set will be included in a summary table. Participants who were excluded from PPS will also be listed.

The disposition of participants who signed the informed consent will be summarized overall and by study site including the date of first consent, date of last visit and the number of participants with informed consent and in each analysis set.

The disposition of participants and the number of sites in regions and countries will be presented for the FAS. Totals of all regions and within a country will be added.

The number of participants with important protocol deviations by country and study site will be presented for all participants with signed informed consent. Number of screen failures will be included. A second summary will show the number and percentage of participants in each protocol deviation category for the FAS. Important protocol deviations will be listed for FAS.

6.1.4 Exposure and Compliance to Study Intervention

Compliance and exposure to the study intervention will be analyzed for SAF and PPS. Descriptive statistics will be used for analysis. For the analyses at Week 48 only study intervention data prior to Week 48 will be used and for the analyses at Week 60 only study intervention data prior to Week 60 will be used (as described in a separate document "Data Cut-Off Specifications").

6.1.4.1 Compliance

Compliance with study intervention during the first 48 weeks (60 weeks, 96 weeks, respectively) or up to premature discontinuation, respectively, will be calculated per participant as follows:

Compliance = (Number of actual study interventions received during period [before Week 48/ Week 60/ Week 96 or up to premature discontinuation, respectively])/ (Number of planned study interventions during period [before Week 48/ Week 60/ Week 96 or up to premature discontinuation, respectively]) x 100%.

For example, if a participant will prematurely discontinue the study after Week 20 but before or at the Week 24, the denominator will be 5 (i.e. the number of planned injections until before Week 24). For the calculation of compliance all injections (regardless if sham or active or from scheduled or unscheduled study interventions) will be used.

Compliance will be summarized for all periods and a listing will be prepared.

6.1.4.2 Exposure

For each participant, the following variables for the study eye will be used to summarize exposure to study intervention (including scheduled and unscheduled study interventions):

Based on actual injections:

- Total number of active injections
- Total number of sham injections
- Total amount of active study treatment (mg)
- Duration of study intervention calculated in weeks as: [(date of last study intervention prior to Week 48/ Week 60/ Week 96) (date of first study intervention) +28]/7; 28 days are added because of the minimum 4-week dosing interval in the study

Based on assigned intervals as determined through IVRS, in accordance with DRM criteria (assessed at Week 16, Week 20 and at visits with active injections planned):

- Proportion of participants with q16 or longer treatment interval through Week 48, Week 60, and Week 96 in HDq16 group (i.e. all participants on q16 interval for whom it was not planned to have their interval shortened to q12 or q8 interval [according to DRM criteria] prior to Week 48, prior to Week 60, and prior to Week 96 [i.e. including only DRM criteria through Week 44, through Week 56, and through Week 92]) exploratory endpoint
- Proportion of participants with q12 or longer interval through Week 48, Week 60, and Week 96 in the HDq12 and HDq16 groups (i.e. all participants on q12 or q16 interval for whom it was not planned to have their interval shortened to q8 interval [according to DRM criteria] prior to Week 48, prior to Week 60, and prior to Week 96 [i.e. including only DRM criteria through Week 44, through Week 56, and through Week 92]) – exploratory endpoint
- Proportion of participants with q12 or q16 or longer treatment interval as the last intended treatment interval at Week 48, Week 60, and Week 96 in HDq12 and HDq16 groups, respectively (based on DRM criteria assessed at the last visit with active injection before Week 48, Week 60, and Week 96 [i.e. including DRM criteria until Week 44, through Week 56, and through Week 92]) exploratory endpoint
- Proportion of participants shortening treatment interval to q8 at Week 16 in HDq12 and HDq16 groups, respectively (i.e. immediately / never tolerated intervals longer than q8)
- Proportion of participants shortening treatment interval to q8 at Week 20 in HDq12 and HDq16 groups, respectively (i.e. immediately / never tolerated intervals longer than q8)
- Proportion of participants shortening treatment interval at anytime through Week 48, Week 60, and Week 96 in HDq12 and HDq16 groups, respectively
 - Proportion of participants shortening treatment interval to q8 at anytime through Week 48, Week 60, and Week 96 in HDq12 and HDq16 groups, respectively
 - Proportion of participants shortening treatment interval to q12 at anytime through Week 48, Week 60, and Week 96 in HDq12 and HDq16 groups, respectively
- Proportion of participants never extending treatment interval through Week 60, and Week 96 in HDq12 and HDq16 groups, respectively
- Proportion of participants extending treatment interval at anytime through Week 60, and Week 96 in HDq12 and HDq16 groups, respectively

These exposure variables do not consider if the study intervention is temporarily interrupted.

Exposure to study intervention will be summarized for the following periods:

- from Baseline to Week 48 (excluding intervention data at Week 48) summary to be displayed at Week 48 and Week 60 analysis,
- from Baseline to Week 48 (excluding intervention data at Week 48, only participants considered as completer for Week 48) summary to be displayed at Week 48 and Week 60 analysis,
- from Baseline to Week 60 (excluding intervention data at Week 60),

- from Baseline to Week 60 (excluding intervention data at Week 60, only participants considered as completer for Week 60),
- from Baseline to end of study (Week 96),
- from Week 48 to end of study (Week 96).

For each participant who received concomitant fellow eye treatment (as defined in Section 4.5.6), the following variables will be shown for SAF only:

- Total number of injections in fellow eye
- Participants without concomitant fellow eye treatment
- Participants with concomitant fellow eye treatment
 - Aflibercept (trade name: Eylea)
 - o Bevacizumab (trade name: Avastin)
 - Brolucizumab (trade name: Beovu)
 - Ranibizumab (trade name: Lucentis)
 - Faricimab (trade name: Vabysmo)
 - Conbercept (trade name: Lumitin)
 - Pegaptanib sodium (trade name: Macugen)

Listings will show the participants' exposure duration, the number of sham and active injections. All participants who met DRM criteria will be listed separately.

6.1.5 **Prior and Concomitant Medication**

Prior and concomitant medication or therapy will be coded to Anatomical Therapeutic Chemical (ATC) classification codes according to the version of World Health Organization Drug Dictionary (WHO Drug Dictionary) available at database lock.

Prior and concomitant medication will be presented for the number and percentage of participants who took at least one prior and (new) concomitant medication and by ATC class (level 1) and subclass (level 2) for the SAF. Participants with prior and concomitant medication will be summarized for all medications. All medication will be included in a listing including reason for use, start and end dates and dosage information for the SAF. The following definitions will be used:

- Concomitant medications are defined as medications that are ongoing at or began after the start and prior to the stop of study intervention.
- Prior medications are defined as medications that began before the start of study intervention regardless of when they ended.

Treatment of the fellow eye (as defined in Section 4.5.6) will be collected as concomitant medication.

All prior and concomitant medication will be listed.

6.2 Efficacy

Due to differing requirements for the submission to regulatory authorities, 2 different testing strategies for the analysis at Week 48 and the analysis at Week 60 will be applied and described in detail in this section.

Furthermore, a descriptive analysis of all data will be conducted after all participants have completed the study at Week 96 (or prematurely discontinued).

All efficacy analyses will be evaluated based on the FAS, which is considered the primary analysis set for all efficacy endpoints. As a supplementary analysis the primary endpoint and the key secondary endpoint "dryness at Week 16" will also be evaluated based on the PPS. The key secondary endpoint "BCVA change at Week 60" will also be evaluated based on the PPS.

All efficacy analyses will be using the injection visits (i.e., multiples of 4 weeks) and not the calendar time as unit.

The main confirmatory analysis of the primary and key secondary endpoints will only contain data up to the time period which has been described in Table 9–12 and Table 9–13 below.

6.2.1 Confirmatory Hypothesis Testing

For the G-SAP, statistical hypotheses of the primary endpoint (BCVA at Week 48) and the key secondary endpoint (dryness at Week 16) will be assessed together, after all participants completed Week 48 (or discontinued prematurely) using the below described methods.

For the EP-SAP, statistical hypotheses of primary endpoint (BCVA at Week 48) and the key secondary endpoints (BCVA at Week 60, dryness at Week 16) will be assessed together, after all participants completed Week 60 (or prematurely discontinued) using the below described methods. For this EP-SAP a repetition of the analysis of the primary endpoint (BCVA at Week 48) and the key secondary endpoint (dryness at Week 16) as well as all additional secondary and exploratory endpoints at Week 48 will <u>not</u> be done, but reference will be made to the analyses performed after all participants completed Week 48 (or discontinued prematurely) using the below described methods (i.e. Week 48 database).

The overall family-wise type 1 error will be controlled at 0.025 (one-sided tests) for testing the primary and key secondary endpoints. Adjustment for multiple comparisons in the primary and key secondary endpoints will be made with a hierarchical testing procedure (see Table 6–1). This approach allows the confirmatory testing of a hypothesis at the full alpha level of 0.025 after successful rejection of the hypotheses which are ranked higher in the hierarchy.

| G-SAP | EP-SAP |
|--|--|
| H ₁₀ : non-inferiority of HDq12 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" | H ₁₀ : non-inferiority of HDq12 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" |
| | H ₂₀ : non-inferiority of HDq12 vs. 2q8 in key secondary endpoint "Change from baseline in BCVA at Week 60" |
| H_{30} : non-inferiority of HDq16 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" | H ₃₀ : non-inferiority of HDq16 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" |
| | H ₄₀ : non-inferiority of HDq16 vs. 2q8 in key secondary endpoint "Change from baseline in BCVA at Week 60" |
| H_{50} : superiority of pooled high dose vs. 2q8 in key secondary endpoint "Proportion of participants with no IRF and no SRF in central subfield at Week 16" H_{60} : superiority of HDq12 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" | H_{50} : superiority of pooled high dose vs. 2q8 in key secondary endpoint "Proportion of participants with no IRF and no SRF in central subfield at Week 16" H_{60} : superiority of HDq12 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" |
| | H ₇₀ : superiority of HDq12 vs. 2q8 in key secondary endpoint "Change from baseline in BCVA at Week 60" |
| H_{80} : superiority of HDq16 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" | H ₈₀ : superiority of HDq16 vs. 2q8 in primary endpoint "Change from baseline in BCVA at Week 48" |
| | H_{90} : superiority of HDq16 vs. 2q8 in key secondary endpoint "Change from baseline in BCVA at Week 60° |
| 2q8=aflibercept 2 mg administered every 8 weeks, BCVA=best corrected visual acuity, EMA=Euro statistical analysis plan, G-SAP=global statistic | after 3 initial injections at 4 week intervals, pean Medicines Agency, EP-SAP=EMA/PMDA al analysis plan, HDq12=aflibercept 8 mg |

Table 6–1: Testing Order of Hierarchical Testing Procedure in G-SAP and EP-SAP

IVT=intravitreal, PMDA=Pharmaceuticals and Medical Devices Agency, SRF=subretinal fluid

6.2.2 Primary Efficacy Endpoint

The primary endpoint is the change in BCVA (as measured by ETDRS letter score) from baseline at Week 48.

All main analyses described below for the primary efficacy variable will be analyzed for the FAS and the PPS, where the analysis for the FAS is considered as the primary one.

administered every 12 weeks, after 3 initial injections at 4 week intervals, HDq16=aflibercept 8 mg administered every 16 weeks, after 3 initial injections at 4 week intervals, IRF= intraretinal fluid,

The estimand of primary interest will mainly be based on a hypothetical strategy. It describes the change from baseline for all participants that started treatment assuming all participants have stayed on treatment until Week 48.

The estimand is specified through the following definitions of population, variable, treatment condition, intercurrent events, and population-level summary:

| Target population: | Defined by the inclusion/exclusion criteria. |
|--------------------|---|
| Variable: | Absolute change from baseline to Week 48 in BCVA. |

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|---|---|--|
| Treatment condition: | HD aflibercept administered HDq12 with o DRM/rescue regimen, or HDq16 with optio regimen, versus aflibercept 2 mg administer | ption for on for DRM/rescue red 2q8. |
| Intercurrent events (ICE): | Premature discontinuation from treatment (hypothetical strategy). Details for other pote in the Table 9–12 in Appendix 9.5. Shorten dosing interval (DRM/rescue regimen) will ICE, but as part of the randomized treatment | handled by ential ICEs are given ing/extension of the not be considered an at regimen. |
| Population-level summary: | Difference in least squares (LS) mean chang Week 48 in BCVA between HDq12 and 2q respectively). | ge from baseline to 8 (HDq16 and 2q8, |

The following 2 hypotheses will be tested in the primary analysis, to assess non-inferiority in the primary endpoint:

- HDq12 is non-inferior to 2q8 regarding the mean change in BCVA from baseline to Week 48 using a non-inferiority margin of 4 letters: H₁₀: $\mu_1 \le \mu_0 - 4$ vs. H₁₁: $\mu_1 > \mu_0 - 4$, where μ_0 , μ_1 , are the mean change from baseline in BCVA at Week 48 for 2q8 and HDq12, respectively.
- HDq16 is non-inferior to 2q8 regarding the mean change in BCVA from baseline to Week 48 using a non-inferiority margin of 4 letters: H₃₀: $\mu_2 \le \mu_0 - 4$ vs. H₃₁: $\mu_2 > \mu_0 - 4$, where μ_0 , μ_2 are the mean change from baseline in BCVA at Week 48 for 298, and HDq16, respectively.

A justification of the non-inferiority margin and a description of the DRM are given in the protocol.

6.2.2.1 **Primary Analysis**

For the analysis of the primary efficacy variable, a mixed model for repeated measurements (MMRM) will be used with baseline BCVA measurement as a covariate and treatment group (HDq16 vs. 2q8 and HDq12 vs. 2q8), visit and the stratification variables (geographic region [Japan vs. Rest of World] and baseline BCVA [<60 vs. ≥60]) as fixed factors as well as terms for the interaction between baseline BCVA and visit and for the interaction between treatment and visit. A Kenward-Roger approximation will be used for the denominator degrees of freedom. Further, an unstructured covariance structure will be used to model the withinsubject error, assuming different covariance parameters per treatment group. If the fit of the unstructured covariance structure fails to converge, the following covariance structures will be tried in order until convergence is reached: Toeplitz with heterogeneity, autoregressive with heterogeneity, Toeplitz, autoregressive and compound symmetry.

$$Y_{ijk} = \beta_0 + x_i \times \beta_{base} + \beta_{reg}^{(l)} + \beta_{base_cat}^{(m)} + \beta_{treat}^{(k)} + \beta_{visit}^{(j)} + x_i \times \beta_{base*visit}^{(j)} + \beta_{treat*visit}^{(k,j)} + \epsilon_{ijk}$$

with

- Y_{iik} being the change from baseline to visit j for the ith participant receiving treatment k
- β_0 being the intercept

- x_i being the baseline BCVA measurement of participant i
- β_{base} the fixed effect of the baseline BCVA measurement
- $\beta_{reg}^{(l)}$ the fixed effect of region 1 (as recorded on the eCRF)
- $\beta_{base_cat}^{(m)}$ the fixed effect of categorized baseline BCVA measurement m (as recorded on the eCRF)
- $\beta_{treat}^{(k)}$ the fixed effect of treatment k
- $\beta_{visit}^{(j)}$ the fixed effect of visit j
- $\beta_{base*visit}^{(j)}$ the interaction between baseline BCVA and visit j
- $\beta_{treat*visit}^{(k,j)}$ the interaction between treatment k and visit j
- ϵ_{ijk} the residual error with $\epsilon_{ijk} \sim N(0, \sigma_k^2)$ and $corr(\epsilon_{ijk}, \epsilon_{ij'k}) = \rho^{(k)} \{j, j'\}$.

In terms of the model parameters the population-level summary of the estimands (i.e. the treatment effect at Week 48) can then be expressed as

$$D_{HDq12} = \left[\beta_{treat}^{(HDq12)} + \beta_{treat*visit}^{(HDq12,w48)}\right] - \left[\beta_{treat}^{(2q8)} + \beta_{treat*visit}^{(2q8,w48)}\right]$$

and

$$D_{HDq16} = \left[\beta_{treat}^{(HDq16)} + \beta_{treat*visit}^{(HDq16,w48)}\right] - \left[\beta_{treat}^{(2q8)} + \beta_{treat*visit}^{(2q8,w48)}\right].$$

In line with the definition of estimands (see above), the primary analysis will be performed on the FAS and participants will be analyzed within their original randomized group (regardless of any changes to dose interval).

The analysis described above will be repeated on the PPS as supplementary analysis.

Furthermore, the following 2 hypotheses will be tested (within the pre-defined testing strategy, see Section 6.2.1), using the MMRM described above, to assess also superiority in the primary endpoint, only if non-inferiority could be concluded before:

• HDq12 is superior to 2q8 regarding the mean change in BCVA from baseline to Week 48:

H₆₀: $\mu_1 \le \mu_0$ vs. H₆₁: $\mu_1 > \mu_0$ (i.e., HDq12 vs. 2q8),

where μ_0 , μ_1 , are the mean change from baseline in BCVA at Week 48 for 2q8 and HDq12, respectively.

• HDq16 is superior to 2q8 regarding the mean change in BCVA from baseline to Week 48:

H₈₀: $\mu_2 \le \mu_0$ vs. H₈₁: $\mu_2 > \mu_0$ (i.e., HDq16 vs. 2q8), where μ_0 , μ_2 are the mean change from baseline in BCVA at Week 48 for 2q8, and HDq16, respectively.

To control the overall family-wise type I error rate of 0.025, a hierarchical testing procedure will be applied (Section 6.2.1) that also includes the confirmatory testing of the key secondary endpoints described in Section 6.2.3.1 and the confirmatory testing of change from baseline in BCVA at Week 48 (and Week 60, only for EP-SAP) for superiority at the end of the confirmatory testing hierarchy.

Summary tables will include number of participants, least-square mean (LSmean) change, (unadjusted) mean change and SD and baseline means of each treatment group. For non-inferiority testing the one-sided adjusted α (as described in Section 6.2.1) for the population-level estimates comparing HDq16 vs. 2q8 (D_{HDq16}) and HDq12 vs. 2q8 (D_{HDq12}), respectively, the estimates expressed as LSmean change, the test statistics, the degrees of freedom and corresponding p-values will be presented. Two-sided 95% confidence intervals will be provided as well.

The MMRM assumes missing at random (MAR) for participants who discontinue the study prematurely, i.e. missingness only depends on observed data. Alternative assumptions (not MAR) will be included in the sensitivity analyses.

Descriptive summary tables will be provided by treatment group and visit for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the PPS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

6.2.2.2 Sensitivity Analyses

Last observation carried forward (LOCF) will be conducted for participants who have at least one post-baseline value but have any further missing post-baseline BCVA values until Week 48 and ANCOVA will be applied for the change from baseline in BCVA at Week 48. Another approach assuming MAR will be implemented by using multiple imputation.

6.2.2.2.1 ANCOVA using LOCF

The sensitivity analysis of the primary efficacy endpoint using an ANCOVA with LOCF follows the same estimand strategy as the primary analysis.

For this sensitivity analysis of the primary efficacy variable, an ANCOVA will be used with baseline BCVA measurement as a covariate and treatment group (HDq16 vs. 2q8 and HDq12 vs. 2q8) and the stratification variables (geographic region [Japan vs. Rest of World] and baseline BCVA [<60 vs. \geq 60]) as fixed factors. A separate variance term will be estimated for the three treatment groups.

The observation at Week 48 of participant i receiving treatment t can be written as follows:

$$Y_{itrb} = \mu_t + \gamma_r + \eta_b + x_i\beta + \epsilon_{itrb}$$

with

- Y_{itrb} being the change from baseline to Week 48 for the ith participant,
- μ_t being the treatment effect,
- γ_r being the geographic region effect (as recorded on the eCRF),
- η_b being the categorical baseline BCVA (<60 vs. \geq 60; as recorded on the eCRF),
- x_i being the baseline BCVA of participant i,
- ϵ_{itrb} the residual error with $\epsilon_{itrb} \sim N(0, \sigma_t^2)$ being the residual error for treatment arm *t*.

In terms of the model parameters the population-level summary of the estimands (i.e. the treatment effect at Week 48) can then be expressed as

$$D_{HDq12} = \left[\beta_{treat}^{(HDq12)}\right] - \left[\beta_{treat}^{(2q8)}\right]$$

and

$$D_{HDq16} = \left[\beta_{treat}^{(HDq16)}\right] - \left[\beta_{treat}^{(2q8)}\right].$$

For this analysis missing Week 48 BCVA data will be imputed by using LOCF. That means that the last non-missing post-baseline BCVA measurement will be carried forward up to Week 48.

Summary tables will include number of participants, least-square mean (LSmean) change, (unadjusted) mean change and SD and baseline means of each treatment group. For non-inferiority testing the one-sided α of 2.5% for the population-level estimates comparing HDq16 vs. 2q8 and HDq12 vs. 2q8, the estimates expressed as LSmean change, the test statistics, the degrees of freedom and corresponding p-values will be presented. Two-sided 95% confidence intervals will be provided as well.

This sensitivity analysis will be analyzed for the FAS.

6.2.2.2.2 Multiple Imputation

The sensitivity analysis of the primary efficacy endpoint using an ANCOVA after applying multiple imputation follows the same estimand strategy as the primary analysis. Multiple imputation (MI) methods involve three steps:

I. Imputation

Imputation is the generation of multiple copies of the original dataset by replacing missing values by using an appropriate stochastic model. The missing data will be imputed using the Fully Conditional Specification (FCS) method. The FCS method is based on an iterative algorithm; at each iteration and for each variable of the prediction model, there is a prediction step and an imputation step. The models used for prediction and imputation will be linear regression models. A total of 10 imputations will be performed using a seed of 12345.

The imputation model will include treatment groups, geographic region (Japan, Rest of World) and categorical baseline BCVA (<60, \geq 60), baseline BCVA, and the BCVA at each previous post-baseline visit.

Final imputed values will be rounded to integer values and cut-offs will be applied to imputed values outside of the normal range of 0 to 100.

II. Analysis

The analysis step is performed for each of the imputed datasets. Since all imputed datasets are complete there is no need to bother with any missing data.

The statistical method for analysis will be ANCOVA and is specified in Section 6.2.2.2.1.

III. Pooling

Pooling is the combination of the different parameter estimates across the multiple imputed datasets based on Rubin's rules (Rubin, 1987 (6)) to produce a unique point estimate and standard error taking into account the uncertainty of the imputation process.

This sensitivity analysis will be analyzed for the FAS.
6.2.2.3 Tipping-point analysis

In order to check the assumption that the missing data is not MAR, also a tipping point analysis will be conducted based on the multiple imputation analysis in Section 6.2.2.2.2. The objective of the tipping point analyses is to identify assumptions about the missing data under which the conclusions from the main analysis change, ie, under which non-inferiority cannot be shown anymore. These tipping point analyses will only be performed if the multiple imputation analysis results can show non-inferiority of the high dose groups compared to the low dose group.

If the non-inferiority could be shown additional tipping point analyses will be repeated after reducing the imputed BCVA values in the high dose arms by ascending natural number of letters (1, 2, 3... etc.), with the goal to find for each high dose treatment group the "tipping point" that will significantly reverse the analysis result. The smallest delta, for which non-inferiority cannot be shown anymore, will be the "tipping point".

For each value of delta, summary tables will include number of participants, least-square mean (LSmean) change, (unadjusted) mean change and SD and baseline means of each treatment group as well as the estimates expressed as LS mean change including the two-sided CIs for α of 5%, the test statistics, the degrees of freedom and corresponding p-values. This sensitivity analysis will be analyzed for the FAS.

6.2.3 Secondary Efficacy Endpoints

6.2.3.1 Key Secondary Endpoints

The key secondary efficacy endpoints are described below.

6.2.3.1.1 Change from Baseline in BCVA Measured by the ETDRS Letter Score at Week 60

This key secondary efficacy endpoint (for regulatory submissions to EMA/PMDA according to the EP-SAP only) has a similar underlying estimand that follows the same strategies as for the primary efficacy endpoint

The following 2 non-inferiority hypotheses will be tested for this key secondary endpoint:

- HDq12 is non-inferior to 2q8 regarding the mean change in BCVA from baseline to Week 60 using a non-inferiority margin of 4 letters: H₂₀: μ₁ ≤ μ₀ - 4 vs. H₂₁: μ₁ > μ₀ - 4, where μ₀, μ₁, are the mean change from baseline in BCVA at Week 60 for 2q8 and HDq12, respectively.
- HDq16 is non-inferior to 2q8 regarding the mean change in BCVA from baseline to Week 60 using a non-inferiority margin of 4 letters:

H₄₀: $\mu_2 \le \mu_0 - 4$ vs. H₄₁: $\mu_2 > \mu_0 - 4$,

where μ_0 , μ_2 are the mean change from baseline in BCVA at Week 60 for 2q8, and HDq16, respectively.

The analysis of key secondary endpoints will be required for the submission to the EMA/PMDA regulatory authorities (EP-SAP, see Section 6.2.1). The change from baseline in BCVA at Week 60 will be analyzed with the same methodology and main and sensitivity summaries as for the primary endpoint assessing non-inferiority described in Section 6.2.2 in this SAP.

Also for the key secondary endpoint of change from baseline in BCVA at Week 60, the following 2 hypotheses will be tested, using the MMRM described above, to assess superiority, only if non-inferiority could be concluded before:

• HDq12 is superior to 2q8 regarding the mean change in BCVA from baseline to Week 60:

H₇₀: $\mu_1 \le \mu_0$ vs. H₇₁: $\mu_1 > \mu_0$ (i.e., HDq12 vs. 2q8),

where μ_0 , μ_1 , are the mean change from baseline in BCVA at Week 60 for 2q8 and HDq12, respectively.

• HDq16 is superior to 2q8 regarding the mean change in BCVA from baseline to Week 60:

H₉₀: $\mu_2 \le \mu_0$ vs. H₉₁: $\mu_2 > \mu_0$ (i.e., HDq16 vs. 2q8),

where μ_0 , μ_2 , are the mean change from baseline in BCVA at Week 60 for 2q8 and HDq16, respectively.

6.2.3.1.2 Proportion of Participants with no IRF and no SRF in Central Subfield at Week 16

The underlying estimand for the primary analysis of the binary key secondary endpoint using a Cochran-Mantel-Haenszel test with LOCF, mainly follows the hypothetical strategy. It describes the proportion of all participants with no IRF and no SRF in central subfield at Week 16 that started treatment assuming all participants have stayed on treatment until Week 16.

The estimand is specified through the following definitions of population, variable, treatment condition, intercurrent events, and population-level summary:

| Target population: | Defined by the inclusion/exclusion criteria. | | |
|---------------------------|--|--|--|
| Variable: | Absence of IRF and SRF in Central Subfield at Week 16. | | |
| Treatment condition: | HD aflibercept versus aflibercept 2 mg. | | |
| Intercurrent events: | Premature discontinuation from treatment (handled by hypothetical strategy). Details for other potential ICEs are given in the Table $9-13$ in Appendix 9.5. | | |
| Population-level summary: | Difference in proportion of participants with no IRF and no SRF in Central Subfield at Week 16 between pooled high dose groups (HDq12 and HDq16) and 2q8. | | |

The existence of IRF or SRF are abnormal findings of the SD-OCT and will be classified based on data assessed by a reading center as described in Section 4.5.4.

For the calculation of the endpoint dryness, absence of IRF and SRF (or "Dryness at Week 16") in Central Subfield is achieved, when the definitions for IRF=NO and SRF=NO are achieved at Week 16.

The opposite "Not dry" will be achieved when the definitions for either

- IRF=YES or
- SRF=YES or
- IRF=YES and SRF=YES

are achieved at Week 16 (including cases when [IRF=YES and SRF=missing/undetermined] or [IRF=missing/undetermined and SRF=YES]).

In case of IRF and SRF as Missing or Undetermined or [IRF=NO and SRF=missing/undetermined] or [IRF=missing/undetermined and SRF=NO] the whole endpoint will be missing/undetermined. These cases will not be included in the denominator when calculating proportions.

The following superiority hypothesis will be tested for this key secondary endpoint on the FAS and repeated as supplementary analysis on the PPS:

- H_{50} : $p_{HD} \le p_{2q8}$ vs. H_{51} : $p_{HD} > p_{2q8}$ (i.e., pooled high dose vs. 2q8),
- where p_{2q8}, p_{HD} are the proportion of participants with no IRF and no SRF in central subfield at Week 16 for 2q8, and the pooled high dose groups (HDq12 and HDq16), respectively. HDq12 and HDq16 high dose groups have same dosing regimen up to Week 16.

This endpoint will be analyzed by a Cochran-Mantel-Haenszel test stratified by geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. ≥ 60).

The number of prematurely discontinued participants before Week 16 is assumed to be rather small. LOCF will be applied for participants not having a Week 16 SD-OCT performed (carrying forward the last non-missing [not missing/undetermined] post-baseline measurement).

Additionally, 95% two-sided CIs for the Mantel-Haenszel weighted treatment difference between pooled high dose groups and 2q8 will be calculated using normal approximation. The following methodology (Koch et al, 1990 (4)) is used:

$$d = (\sum_{hk} w_{hk} (\hat{p}_{hkt} - \hat{p}_{hkc})) / \sum_{hk} w_{hk}), \text{ where } w_{hk} = n_{hkt} n_{hkc} / (n_{hkt} + n_{hkc}).$$

Then $\widehat{\text{var}}(\hat{d}) = (\sum_{hk} w_{hk}^2 (\hat{p}_{hkc} (1 - \hat{p}_{hkc}) / (n_{hkc} - 1) + \hat{p}_{hkt} (1 - \hat{p}_{hkt}) / (n_{hkt} - 1))) / (\sum_{hk} w_{hk})^2.$

With this, the 95% CI can be given as: $\hat{d} \pm z\alpha_{/2}\sqrt{var(\hat{d})} (z\alpha_{/2})$ being the lower $\alpha_{/2}$ quantile of the standard normal distribution).

In the formulae,

- *h*: number of strata for the geographic region, which ranges from 1 to 2 (Japan, Rest of World; as recorded on the eCRF),
- *k*: number of strata for the baseline BCVA, which ranges from 1 to 2 (<60, ≥60; as recorded on the eCRF),
- p_{hkt} : proportion of participants with no IRF and no SRF in central subfield at Week 16 in the pooled high dose treatment group in stratum₁ h and stratum₂ k,
- p_{hkc} : proportion of participants with no IRF and no SRF in central subfield at Week 16 in the 2q8 treatment group in stratum₁ h and stratum₂ k,
- n_{hkt} : number of participants in the pooled high dose treatment group in stratum₁ h and stratum₂ k,
- n_{hkc} : number of participants in the 2q8 dose treatment group in stratum₁ h and stratum₂ k.

The number and percentage of participants with no IRF and no SRF in central subfield at Week 16 for each treatment group and the pooled HD group, the p-value of the one-sided Cochran-Mantel-Haenszel test and the weighted treatment difference including the two-sided 95%-CI as percentage (multiplied by 100) will be included in a summary table.

The analysis described above will be repeated on the PPS as supplementary analysis.

Descriptive summary tables will be provided by treatment group and visit for:

- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (primary estimand strategy for binary endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (primary estimand strategy for binary endpoints) in the PPS population
- All observed cases until the occurrence of an ICE in the FAS population

Descriptive summary tables will be provided by treatment group and visit for IRF in central subfield and SRF in central subfield (LOCF as well as OC for the FAS population).

In addition, descriptive summary tables will be provided by treatment group and visit for IRF in foveal center, SRF in foveal center and corresponding dryness status (LOCF as well as OC for the FAS population).

6.2.3.1.2.1 Sensitivity Analyses

A sensitivity analysis will be performed for the proportion of participants with no IRF and no SRF in central subfield at Week 16 for the FAS. In case of any participants prematurely discontinuing before Week 16 or having any occurrence of another ICE, a Cochran-Mantel-Haenszel test will be calculated based on observed case (OC) only. The number and percentage of participants with no IRF and no SRF in central subfield at Week 16 for each treatment group and the pooled HD group, the p-value of the one-sided Cochran-Mantel-Haenszel test and the weighted treatment difference including the two-sided 95%-CI will be included in a summary table.

6.2.3.2 Additional Secondary Efficacy Endpoints

The additional secondary efficacy endpoints are

- Proportion of participants gaining at least 15 letters in BCVA from baseline at Week 48
- Proportion of participants achieving an ETDRS letter score of at least 69 (approximate 20/40 Snellen equivalent) at Week 48
- Change in CNV size from baseline to Week 48
- Change in total lesion area from baseline to Week 48
- Proportion of participants with no IRF and no SRF in the central subfield at Week 48
- Change from baseline in CST at Week 48
- Change from baseline in NEI-VFQ-25 total score at Week 48

All analyses will be done for the FAS.

All additional secondary efficacy endpoints will only be analyzed descriptively. Continuous variables will be analyzed by similar repeated measurement models as for the primary endpoint. Binary endpoints will be analyzed by Cochran-Mantel-Haenszel methodology.

6.2.3.2.1 Proportion of Participants Gaining at least 15 Letters in BCVA from Baseline at Week 48

The proportion of participants gaining at least 15 letters in BCVA from baseline at Week 48 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Missing cases will not be included in the denominator when calculating proportions. Additionally, the Cochran-Mantel-Haenszel test stratified by geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. \geq 60) will be applied for the comparison of the treatment groups HDq12 vs. 2q8 and HDq16 vs. 2q8. Two-sided 95% CIs and p-values will be provided for descriptive purposes. The main analysis will be done for the LOCF imputation of missing BCVA measurements in the FAS as described in Section 6.2.3.1.2 and an additional sensitivity analysis will be done for the OC only case in the FAS.

6.2.3.2.2 Proportion of Participants Achieving an ETDRS Letter Score of at least 69 (Approximate 20/40 Snellen Equivalent) at Week 48

The proportion of participants achieving an ETDRS letter score of at least 69 (approximate 20/40 Snellen equivalent) at Week 48 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Missing cases will not be included in the denominator when calculating proportions. Additionally, the Cochran-Mantel-Haenszel test stratified by geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. \geq 60) will be applied for the comparison of the treatment groups HDq12 vs. 2q8 and HDq16 vs. 2q8. Two-sided 95% CIs and p-values will be provided for descriptive purposes. The main analysis will be done for the LOCF imputation of missing BCVA measurements in the FAS as described in Section 6.2.3.1.2 and an additional sensitivity analysis will be done for the OC only case in the FAS.

6.2.3.2.3 Change in CNV Size from Baseline to Week 48

CNV size will be evaluated using FA/FP (see Section 4.5.4) and will be collected at screening, week 12 (visit 6), week 24 (visit 9), week 36 (visit 12), week 48 (visit 15), week 60 (visit 18) and week 96 (visit 27). The change in CNV size from baseline to Week 48 will be summarized descriptively by treatment group for:

• All observed cases until the occurrence of an ICE (primary analysis strategy for continuous endpoints) in the FAS population

• All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Additionally, a MMRM will be used with baseline CNV size as a covariate and treatment group (HDq16 vs. 2q8 and HD12 vs. 2q8), visit and the stratification variables (geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. \geq 60)) as fixed factors as well as terms for the interaction between baseline CNV size and the visit and for the interaction between treatment and visit. This model is similar to the model described in Section 6.2.2.1 and will be provided for FAS. Two-sided 95% CIs for LSmeans, coefficient estimates and p-values will be provided for descriptive purposes. As additional sensitivity analysis an ANCOVA will be calculated as described in Section 6.2.2.1 using the LOCF method for imputation of missing values for participants discontinuing before Week 48.

Visit-based information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.3.2.4 Change in Total Lesion Area from Baseline to Week 48

Lesion characteristics will be evaluated using FA/FP (see Section 4.5.4) and will be collected at screening, week 12 (visit 6), week 24 (visit 9), week 36 (visit 12), week 48 (visit 15), week 60 (visit 18) and week 96 (visit 27). The change in total lesion area from baseline to Week 48 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Additionally, a MMRM will be used with baseline total lesion area as a covariate and treatment group (HDq16 vs. 2q8 and HD12 vs. 2q8), visit and the stratification variables (geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. \geq 60)) as fixed factors as well as terms for the interaction between baseline total lesion area and the visit and for the interaction between treatment and visit. This model is similar to the model described in Section 6.2.2.1 and will be provided for FAS. Two-sided 95% CIs for LSmeans, coefficient estimates and p-values will be provided for descriptive purposes. As additional sensitivity analysis an ANCOVA will be calculated as described in Section 6.2.2.1 using the LOCF method for imputation of missing values for participants discontinuing before Week 48.

Visit-based information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.3.2.5 Proportion of Participants with no IRF and no SRF in the Central Subfield at Week 48

The proportion of participants with no IRF and no SRF (according to the definitions in Section 4.5.4 and Section 6.2.3.1.2) in the central subfield at Week 48 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (primary estimand strategy for binary endpoints) in the FAS population
- All observed cases until the occurrence of an ICE in the FAS population

Missing cases will not be included in the denominator when calculating proportions. Additionally, the Cochran-Mantel-Haenszel test stratified by geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. \geq 60) will be applied for the comparison of the treatment groups HDq12 vs. 2q8 and HDq16 vs. 2q8. Two-sided 95% CIs and p-values will be provided for descriptive purposes. The main analysis will be done for the LOCF imputation for participants with missing SD-OCT assessment in the FAS as described in Section 6.2.3.1.2 and an additional sensitivity analysis will be done for the OC only case in the FAS.

6.2.3.2.6 Change from Baseline in CST at Week 48

CST will be evaluated using SD-OCT (see Section 4.5.4) and will be collected at each visit. The change from baseline in CST at Week 48 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Additionally, a MMRM will be used with baseline CST as a covariate and treatment group (HDq16 vs. 2q8 and HD12 vs. 2q8), visit and the stratification variables (geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. ≥ 60)) as fixed factors as well as terms for the interaction between baseline CST and the visit and for the interaction between treatment and visit. This model is similar to the model described in Section 6.2.2.1 and will be provided for FAS. Two-sided 95% CIs for LSmeans, coefficient estimates and p-values will be provided for descriptive purposes. As additional sensitivity analysis an ANCOVA will be calculated as described in Section 6.2.2.1 using the LOCF method for imputation of missing values for participants discontinuing before Week 48.

6.2.3.2.7 Change from Baseline in NEI-VFQ-25 Total Score at Week 48

The change from baseline in NEI-VFQ-25 total score (for calculation details see Section 9.1.1) at Week 48 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Additionally, a MMRM will be calculated with baseline NEI-VFQ-25 total score as a covariate and treatment group (HDq16 vs. 2q8 and HD12 vs. 2q8), visit and the stratification variables (geographic region (Japan vs. Rest of World) and baseline BCVA (<60 vs. \geq 60)) as fixed factors as well as terms for the interaction between baseline NEI-VFQ-25 total score and the visit and for the interaction between treatment and visit. This model is similar to the model described in Section 6.2.2.1 and will be provided for FAS. Two-sided 95% CIs for LSmeans, coefficient estimates and p-values will be provided for described in Section 6.2.2.1 using the LOCF method for imputation of missing values for participants discontinuing before Week 48.

Visit-based information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.4 Exploratory Efficacy Endpoints

The exploratory efficacy endpoints will be analyzed descriptively for the FAS and will include the following:

- Change from baseline in BCVA measured by the ETDRS letter score at Week 96
- Change from baseline in BCVA averaged over the period from Week 36 to Week 48 and from Week 48 to Week 60
- Proportion of participants gaining at least 15 letters in BCVA from baseline at Week 60 and Week 96
- Proportion of participants achieving an ETDRS letter score of at least 69 (approximate 20/40 Snellen equivalent) at Week 60 and Week 96
- Proportions of participants gaining and losing at least 5 or at least 10 letters in BCVA from baseline at Week 48, Week 60, and Week 96
- Proportion of participants losing at least 15 letters in BCVA from baseline at Week 48, Week 60, and Week 96
- Change in CNV size from baseline to Week 60 and Week 96
- Change in total lesion area from baseline to Week 60 and Week 96
- Change from baseline in CST at Week 60 and Week 96
- Proportion of participants with no IRF and no SRF in the central subfield at Week 60 and Week 96
- Proportion of participants without retinal fluid (total fluid, IRF, and/or SRF) and subRPE fluid in central subfield at Week 48, Week 60, and Week 96
- Time to fluid-free retina over 48 weeks, 60 weeks, and 96 weeks (total fluid, IRF, and/or SRF in the central subfield)
- Proportion of participants with sustained fluid-free retina over 48 weeks, 60 weeks, and 96 weeks (total fluid, IRF, and/or SRF in the central subfield)
- Change from baseline in NEI-VFQ-25 total score at Week 60 and Week 96
- Proportion of participants without leakage on FA at Week 48, Week 60, and Week 96

6.2.4.1 Change from Baseline in BCVA Measured by the ETDRS Letter Score at Week 96

The change from baseline in BCVA measured by the ETDRS letter score at Week 96 will be summarized descriptively by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

6.2.4.2 Change from Baseline in BCVA Averaged over the Period from Week 36 to Week 48 and from Week 48 to Week 60

BCVA will be averaged over all non-missing visits between Week 36 to Week 48 (Week 36, Week 40, Week 44, Week 48) and between Week 48 to Week 60 (Week 48, Week 52, Week 56, Week 60), respectively. Then the change from baseline BCVA will be calculated for both averages. The change from baseline in BCVA to the average periods will be analyzed descriptively and displayed by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values during the periods from Week 36 to Week 48 and from Week 48 to Week 60 with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

6.2.4.3 Proportion of Participants Gaining at least 15 Letters in BCVA from Baseline at Week 60 and Week 96

The proportion of participants gaining at least 15 letters in BCVA from baseline at Week 60 and Week 96 will be analyzed descriptively by treatment group. Missing cases will not be included in the denominator when calculating proportions.

6.2.4.4 Proportion of Participants Achieving an ETDRS Letter Score of at least 69 (Approximate 20/40 Snellen Equivalent) at Week 60 and Week 96

The proportion of participants achieving an ETDRS letter score of at least 69 (approximate 20/40 Snellen equivalent) at Week 60 and Week 96 will be analyzed descriptively by treatment group. Missing cases will not be included in the denominator when calculating proportions.

6.2.4.5 Proportions of Participants Gaining and Losing at least 5 or at least 10 Letters in BCVA from Baseline at Week 48, Week 60, and Week 96

For each week (Week 48, Week 60 and Week 96) five proportions will be calculated

- Proportion of participants gaining more than 0 letters in BCVA from baseline (any gain)
- Proportion of participants gaining at least 5 letters in BCVA from baseline
- Proportion of participants losing at least 5 letters in BCVA from baseline
- Proportion of participants gaining at least 10 letters in BCVA from baseline
- Proportion of participants losing at least 10 letters in BCVA from baseline

Missing cases will not be included in the denominator when calculating proportions. The proportions will be analyzed descriptively and displayed by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

6.2.4.6 Proportion of Participants Losing at least 15 Letters in BCVA from Baseline at Week 48, Week 60, and Week 96

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The proportion of participants gaining or losing at least 15 letters in BCVA from baseline will be analyzed descriptively and displayed by treatment group for:

- All observed cases until the occurrence of an ICE (primary estimand strategy for continuous endpoints) in the FAS population
- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (sensitivity analysis strategy for continuous endpoints) in the FAS population

Missing cases will not be included in the denominator when calculating proportions.

6.2.4.7 Change in CNV Size from Baseline to Week 60 and Week 96

The change in CNV size from baseline to Week 60 and Week 96 will be analyzed descriptively by treatment group. Visit-based information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.4.8 Change in Total Lesion Area from Baseline to Week 60 and Week 96

The change in total lesion area from baseline to Week 60 and Week 96 will be analyzed descriptively by treatment group. Visit-based information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.4.9 Change from Baseline in CST at Week 60 and Week 96

The change from baseline in CST at Week 60 and Week 96 will be analyzed descriptively by treatment group.

6.2.4.10 Proportion of Participants with no IRF and no SRF in the Central Subfield at Week 60 and Week 96

The proportion of participants with no IRF and no SRF (according to the definitions in Section 4.5.4 and Section 6.2.3.1.2) in the central subfield at Week 60 and Week 96 will be analyzed descriptively by treatment group. Missing/undetermined cases will not be included in the denominator when calculating proportions.

6.2.4.11 Proportion of Participants without Retinal Fluid (Total Fluid, IRF, and/or SRF) and subRPE Fluid in Central Subfield at Week 48, Week 60, and Week 96

IRF, SRF and subRPE will be classified as defined in Section 4.5.4.

The proportion of participants without retinal fluid (no IRF and no SRF), with retinal fluid (IRF and/or SRF) or IRF and SRF missing/undetermined will be analyzed descriptively in the subgroups of participants with and without subRPE fluid in central subfield at Week 48, Week 60, and Week 96 and displayed by treatment group for:

- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (primary estimand strategy for binary endpoints) in the FAS population
- All observed cases until the occurrence of an ICE in the FAS population

Missing/undetermined cases will not be included in the denominator when calculating proportions.

6.2.4.12 Time to Fluid-Free Retina over 48 Weeks, 60 Weeks, and 96 Weeks (Total Fluid, IRF, and/or SRF in the Central Subfield)

Total fluid-free retina (no IRF and no SRF in central subfield) is defined as the absence of total fluid, i.e. no IRF and no SRF in the central subfield as found in the SD-OCT, regardless of whether any retinal fluid was found again after that.

Time to total fluid-free retina (no IRF and no SRF in central subfield) will be analyzed by Kaplan-Meier analysis and shown in Kaplan-Meier plots and descriptive summaries. Time to total fluid-free retina is defined as the duration from randomization to the timepoint when total fluid was absent for the first time whereas intercurrent events are handled according to Table 9–13. The analysis will be using the study visits (i.e. multiples of 4 weeks) and not the calendar time as unit. Participants without total fluid-free retina will be censored at the time of their last SD-OCT assessment.

Each of the HD groups will be compared with the 2q8 group using a stratified log-rank test and a stratified Cox proportional hazards model, including baseline BCVA (<60 vs. ≥ 60) and geographical region (Japan vs. Rest of World) as strata.

Time to IRF-free retina (no IRF in central subfield) and time to SRF-free retina (no SRF in central subfield) will be analysed in the similar way.

6.2.4.13 Proportion of Participants with Sustained Fluid-Free Retina over 48 Weeks, 60 Weeks, and 96 Weeks (Total Fluid, IRF, and/or SRF in the Central Subfield)

Sustained total fluid-free retina (no IRF and no SRF in central subfield) is defined as the absence of total fluid for at least 2 consecutive visits and all subsequent visits, i.e. no IRF and no SRF in the central subfield as found in the SD-OCT.

The proportion of participants with sustained total fluid-free retina (no IRF and no SRF in central subfield) over 48 weeks, 60 weeks and 96 weeks will be analyzed descriptively by treatment group for:

• All observed cases until the occurrence of an ICE in the FAS population

Missing cases will not be included in the denominator when calculating proportions.

Additionally, time to sustained total fluid-free retina (no IRF and no SRF in central subfield) over 48 weeks, 60 weeks and 96 weeks will be analyzed by Kaplan-Meier analysis and shown in Kaplan-Meier plots and descriptive summaries. Time to total sustained fluid-free retina is defined as the duration from randomization to the timepoint when total fluid was absent for the first time at 2 consecutive visits and for all subsequent study visits whereas intercurrent events are handled according to Table 9–13. The analysis will be using the study visits (i.e. multiples of 4 weeks) and not the calendar time as unit. Participants without sustained total fluid-free retina will be censored at the time of their last SD-OCT assessment.

Each of the HD groups will be compared with the 2q8 group using a stratified log-rank test and a stratified Cox proportional hazards model, including baseline BCVA (<60 vs. \geq 60) and geographical region (Japan vs. Rest of World) as strata.

Time to sustained IRF-free retina (no IRF in central subfield) and time to sustained SRF-free retina (no SRF in central subfield) will be analysed in the similar way.

6.2.4.14 Change from Baseline in NEI-VFQ-25 Total Score at Week 60 and Week 96

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The change from baseline in NEI-VFQ-25 total score at Week 60 and Week 96 will be analyzed descriptively by treatment group. Visit-based information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.4.15 Proportion of Participants Without Leakage on FA at Week 48, Week 60, and Week 96

The proportion of participants without leakage on FA (as defined in Section 4.5.4) will be analyzed descriptively and displayed by treatment group for:

- All observed cases until the occurrence of an ICE with imputation of missing values with LOCF (primary estimand strategy for binary endpoints) in the FAS population
- All observed cases until the occurrence of an ICE in the FAS population.

Missing cases will not be included in the denominator when calculating proportions. Visitbased information recorded in the EOS/ED visit folder which will not be re-mapped to a regular study visit will nevertheless be included into the LOCF analysis.

6.2.5 Subgroup Analyses

Statistical analyses for primary and key secondary efficacy endpoints will be conducted for the FAS by each subgroup defined in Section 5.2 for efficacy analyses. For the subgroup analysis by geographic region the corresponding variable will be removed from the statistical models. The subgroup analyses are only descriptive and 95% CIs will be presented in tables. Subgroups for continuous endpoints are done using the MMRM without imputation of missing values and subgroups for categorical endpoints are done using Cochran-Mantel-Haenszel test with imputation by LOCF.

6.3 Pharmacokinetics/Pharmacodynamics

All analysis done for sparse PK samples will be done by treatment group on the PKS. Analysis of the data from the dense PK substudy will be analyzed by treatment group for the DPKS. Pharmacodynamic parameters are not evaluated in this study.

6.3.1 Main Study

PK samples for sparse PK are collected during Year 1 only at baseline (Visit 2), Week 4 (Visit 3), Visit 5, Week 12 (Visit 6), Week 28 (Visit 10) and Week 48 (Visit 15) for all participants (optional for participants in China). The individual concentrations of free, adjusted bound, and total aflibercept over time will be summarized and listed by descriptive statistics by visit. As far as possible, the increase of concentrations will be described.

Individual concentrations of adjusted bound aflibercept will be calculated as 0.717 x individual concentrations of bound aflibercept.

Individual concentrations of total aflibercept will be calculated as the sum of individual concentrations of free and adjusted bound aflibercept.

The following LLOQs were used by the laboratory:

• For free aflibercept assay: LLOQ = 15.6ng/mL

• For bound aflibercept assay: LLOQ = 31.3ng/mL

Drug concentrations will be further grouped by the following baseline factors:

- age categories as defined in 5.2,
- medical history of renal impairment as determined by baseline serum creatinine values as defined in 9.4.6,
- hepatic impairment based on medical history as defined in 9.4.7,
- BMI categories as defined in 6.1.1,
- ethnicity as defined in 5.2,
- race as defined in 5.2

and evaluated by means of descriptive statistics.Dose and/or exposure-response analyses may be performed for select safety and efficacy endpoints, as appropriate.

No formal statistical hypothesis testing will be performed.

6.3.2 Dense PK Substudy

The Dense PK Substudy is planned to include approximately 24 participants (at least 12 Japanese participants from Japan sites and at least 12 non-Asian participants from Europe or U.S. sites). For each region a minimum of 6 participants should be randomized to the HDq12 group or the HDq16 group combined. The stratification factors for randomization in the study (geographic region [Japan vs. Rest of World], and baseline BCVA [<60 vs. \geq 60]) will also apply for the Dense PK Substudy as part of the overall population.

All participants in the Dense PK Substudy will participate in the main study for 96 weeks but will have additional visits for the substudy as outlined in the protocol. Samples for Dense PK will be collected at a screening visit, at baseline visit pre-injection and then 4 h (within ± 30 minutes) and 8 h (within ± 2 hours) after injection, as well as on post-baseline day 2, 3, 5, 8, 15 and 22 (all within ± 2 hours of the clock time of dosing at baseline).

The PK parameters to be determined, if possible, after the first dose for free, adjusted bound, and total aflibercept may include, but are not limited to:

- Maximum concentration (Cmax)
- Cmax/Dose
- Time of Cmax (tmax)
- Last time point (tlast)
- Last concentration (Clast)
- Area under the curve to the last quantifiable concentration (AUClast)
- Area under the curve from time zero to infinity (AUCinf)
- AUCinf/Dose
- Half-life (t1/2)
- Trough concentration (Ctrough)

After repeat dosing, PK parameters to be determined, if possible, may include, but are not limited to C_{trough} , time to reach steady-state, and accumulation ratio. PK parameters will be summarized by descriptive statistics by treatment group, and geographical region as appropriate. This descriptive statistical assessment will include number of observations, the geometric mean, 95% CI of the geometric mean, geometric coefficient of variation, arithmetic

mean, SD, CV%, median, Q1,Q3, minimum and maximum values. No formal statistical hypothesis testing will be performed. If there are any values below limit of quantification (BLOQ) they will be substituted by 1/2 of the lower limit of quantification (LLOQ) for the calculation of geometric statistics and 0 for arithmetic statistics.

Dose and/or exposure-response analyses may be performed for select safety endpoints, as appropriate.

6.4 Safety

The analysis of safety variables will be conducted descriptively on the SAF population for the data up to Week 48, up to Week 60 and up to Week 96 (Week 100 for French participants only).

6.4.1 Adverse Events and Serious Adverse Events

An AE is any untoward medical occurrence in a clinical study participant, associated with the use of study intervention, whether or not considered related to the study intervention. All reported AEs will be coded using the version of MedDRA available at database lock. Coding will be to lowest level terms according to Bayer global standards.

AEs will be collected from the time of informed consent signature and at each visit until the end of the study. If the participant withdraws from the study during the screening, AEs will be collected up until the participant withdraws. If the participant is withdrawn after receiving the first dose of study medication, AEs will be collected up until 30 days after the last dose of study intervention or the termination visit, whichever is later.

Adverse events will be summarized as:

- **Pre-treatment AE:** Pre-treatment AEs are defined as AEs that started after the participant has signed the informed consent, but prior to the first injection at baseline (Visit 2, date of the participant's first dose of study intervention).
- **Post-treatment AE:** Post-treatment AEs are defined as AEs that started more than 30 days after the last injection (active or sham) in the study. For the participants who have not discontinued study treatment prematurely (i.e. are "ongoing") at the Week 48 analysis and at the Week 60 analysis, respectively, no AEs will be considered post-treatment, even if they started more than 30 days after the latest injection.
- **Treatment-emergent adverse event (TEAE):** TEAEs are defined as AEs that started in the time frame from first injection to the last injection (active or sham) in the study plus 30 days. For the participants who have not discontinued study treatment prematurely (i.e. are "ongoing") at the Week 48 analysis and at the Week 60 analysis, respectively, all AEs that started at first injection or later will be considered treatment-emergent.

The data cut-off rules for Week 48 and Week 60 AE reporting are described in a separate document "Data Cut-Off Specifications").

The proportions of participants with AEs will be used as safety variables for AE summary.

Other variables for AE description and analysis will include AE Verbatim Term, AE start date/ time and end date/time/ongoing and corresponding study day, AE Duration, relationship of AE to study drug, relationship of AE to commercial aflibercept (2 mg), relationship of AE

to intravitreal injection, relationship of AE to protocol-required procedure, seriousness, intensity, action due to AE, treatment of AE and outcome.

Summaries that include frequencies and proportions of participants reporting AEs will include the PTs and the SOCs.

Evaluations for TEAE will be mainly done for the following categories, which will be identified from the information of the CRF:

- Ocular TEAEs in the treated study eye
- Ocular TEAEs in the fellow eye
- Non-ocular TEAEs

AE summaries will be provided displaying AEs within each SOC in alphabetical order.

For overall characterization of the AE profile for aflibercept in this study, an AE summary will include AEs within each SOC listed in alphabetical order with columns for treatment group, including a column "All HD" for the pooled HD group.

TEAEs in the study eye assessed by the investigator as being related to the injection procedure, related to protocol-required procedures and those related to the study medication will be summarized separately.

TEAEs in the fellow eye assessed by the investigator as being related to the injection procedure, related to protocol-required procedures, related to the study medication and those related to commercial aflibercept (2 mg) will be summarized separately.

A listing will be constructed that includes the participant identification, the treatment group, category of AE (ocular study eye, non-ocular), AE, MedDRA term, seriousness, severity, causality, elapsed time to onset, duration, and outcome.

Serious Adverse Events (SAEs) will be summarized in the same way as described for TEAEs.

A frequency table of TEAEs of **intraocular inflammation** terms, cross-tabulated with related MedDRA PT and SOC, will be displayed by treatment arm (see Section 9.4 for definition of terms).

A frequency table of adjudicated treatment-emergent APTC events terms, cross-tabulated with related MedDRA PT and SOC, will be displayed by treatment arms. The adjudication of AE is described in the "APTC adjudication committee charter".

A frequency table of TEAEs of **hypertension** terms, cross-tabulated with related MedDRA PT and SOC, will be displayed by treatment arm (see Section 9.4 for definition of terms).

A frequency table of TEAEs of **nasal mucosal finding** terms, cross-tabulated with related MedDRA PT and SOC, will be displayed by treatment arm (see Section 9.4 for definition of terms).

6.4.1.1 Subgroup Analyses

Subgroup analyses for TEAEs will be performed for the safety analysis subgroups described in Section 5.2, for each of the following types of TEAE:

Number of participants with

• ocular TEAEs in the study eye

- non-ocular TEAEs
- Serious ocular TEAEs in the study eye
- Serious non-ocular TEAEs

6.4.2 Immunogenicity

Antibodies to aflibercept will be evaluated in serum samples collected from all participants (optional for participants in China) at baseline (Visit 2), at Week 48 (Visit 15) and at Week 96 (EOS) or ED visit.

The number and proportion of participants developing a treatment-emergent ADA response will be summarized for the AAS by treatment group, by visit and overall (for definitions, see Appendix 9.2). ADA titers will be summarized descriptively by treatment arm and visit.

ADA titer will additionally be summarized with number and percentage of sujects for categories:

- Low (titer <1,000)
- Moderate $(1,000 \le \text{titer} \le 10,000)$
- High (titer >10,000).

The number and proportion of participants positive in the NAb assay will be summarized for the NAbAS by treatment group and visit and overall.

Samples that tested negative for ADA are not assayed in the NAb assay and the corresponding NAb result are imputed as negative and included as such in the NAb analysis set. Participants in the NAbAS with multiple post-dose ADA results which consist of both imputed NAb-negative result(s) for ADA negative samples and only missing NAb results for all ADA-positive result(s), are set to NAb negative. Participants in the NAbAS that have at least one post-dose positive NAb analysis result are set to NAb positive even if other NAb results are missing. Plots of drug concentrations will be examined and the influence of ADAs and NAbs on individual PK profiles evaluated.

6.4.3 Surgeries

All surgeries after informed consent are collected on the CRF. All surgeries and diagnostic procedures will be displayed in listings.

6.4.4 Clinical Laboratory Variables

Chemistry, hematology and urinalysis will be collected at screening (Visit 1), Week 48 (Visit 15) and at Week 96 (EOS) or ED. Only pregnancy testing is done at each visit. The tests detailed in Table 6-2 will be performed by the central laboratory.

Laboratory **Parameters** Assessments Hematology Platelet count WBC count RBC count Differential: Hemoglobin Neutrophils Hematocrit Lymphocytes **RBC** Indices Monocytes Eosinophils Basophils Total and direct bilirubin **Clinical Chemistry Sodium** Potassium Urea (or BUN) Chloride LDH Carbon dioxide Total protein, serum Calcium Total cholesterol Creatinine Triglycerides Glucose (non-fasting) LDL HDL Albumin AST/SGOT Uric acid ALT/SGPT CPK Alkaline phosphatase **Routine Urinalysis** Specific gravity, color, clarity, crystals • pH, glucose (non-fasting), protein, blood, ketones, bilirubin, nitrite, • leukocyte esterase by dipstick WBC, RBC, hyaline and other casts, bacteria, epithelial cells, yeast Creatinine • UPCR • Other Screening • Follicle stimulating hormone and estradiol (as needed in women of non-Tests childbearing potential only) Highly sensitive serum hCG pregnancy test (as needed for WOCBP)^a • ALT=alanine aminotransferase, AST=aspartate aminotransferase, BUN=blood urea nitrogen, CPK=creatine phosphokinase, eCRF=electronic Case Report Form, hCG=human chorionic gonadotropin, HDL=high density lipoprotein, LDH=lactate dehydrogenase, LDL=low density lipoprotein, RBC=red blood cell, SGOT=serum glutamic-oxaloacetic transaminase, SGPT=serum glutamic-pyruvic transaminase, UPCR=urine protein: creatinine ratio, WBC=white blood cell,

Table 6–2: Pre-defined laboratory abnormalities

WOCBP=women of childbearing potential
 For WOCBP, a negative serum pregnancy test at screening is required for eligibility.

Laboratory test results will be summarized by baseline and change from baseline at each scheduled assessment using descriptive statistics.

If there are any values below LOQ they will be substituted by 1/2 LLOQ for the calculation of statistics.

Number and percentage of participants with a treatment-emergent potentially clinically significant value (PCSV, any value fulfilling pre-defined criteria for abnormal laboratory parameters as described in Table 9–4 in the Appendix 9.3) at any time point will be summarized for selected clinical laboratory test for all participants.

Shift tables based on baseline normal/abnormal will be used to present the results for laboratory tests.

Laboratory values out of normal range will be summarized in tables and also flagged in laboratory value listings.

6.4.5 Electrocardiogram

A standard digital 12-lead Electrocardiogram (ECG) will be performed at screening (Visit 1), Week 48 (Visit 15) and at Week 96 (EOS) or ED. ECG variables will include the heart rate recorded from the ventricular rate and the PR interval, QRS duration, RR interval, QT interval and overall interpretation of ECG (normal/abnormal). QTc with Bazett and Fridericia correction will be used.

All ECG variables as described above will be analyzed for the SAF by appropriate descriptive methods and change from baseline or frequency tables and/or cross-tabulation of baseline vs. post-baseline status for categorical variables (overall interpretation of ECG normal/abnormal) by visit and treatment arms.

6.4.6 Vital Signs

Vital signs will be collected pre-injection, and before any blood draws at each visit during the study. When possible, timing of all blood pressure assessments should be within ± 2 hours of clock time of dosing at the baseline visit. Variables of analysis for vital signs include body temperature, heart rate, systolic blood pressure and diastolic blood pressure. Vital signs will be summarized by baseline and change from baseline to each scheduled visit by treatment group for the SAF.

Additionally, summaries will be provided for participants with at least one systolic blood pressure treatment emergent PCSV of

- \leq 95 mmHg and decrease from baseline \geq 20 mmHg
- $\geq 160 \text{ mmHg}$ and increase from baseline $\geq 20 \text{ mmHg}$

As well as for participants with diastolic blood pressure treatment emergent PCSV of

- \leq 45 mmHg and decrease from baseline \geq 10 mmHg
- $\geq 110 \text{ mmHg}$ and increase from baseline $\geq 10 \text{ mmHg}$.

Heart rate and blood pressure assessments will also be displayed as figures with mean change from baseline for SAF.

6.4.7 Other Safety Measures

Variables of analysis for ocular safety measures include:

- Proportion of participants with increased IOP
 - $\circ \geq 10 \text{ mmHg}$ increase in IOP measurement from baseline to any pre-dose measurement
 - \circ > 21 mmHg for any pre-dose measurement at any time during the study
 - $\circ \geq 25$ mmHg for any pre-dose measurement at any time during the study
 - $\circ \geq$ 35 mmHg for any pre-dose or post-dose measurement at any time during the study,

where the post-dose IOP measurement will be the final measurement before the participant leaves the site.

Summary statistics will also be displayed by visit for:

• change from baseline for pre-dose IOP values

- Proportion of participants with Anterior Chamber Cells (only pre-dose assessment for study eye)
 - \circ 0: no cells
 - Trace: less than 5 cells
 - \circ 1+: 5 to 10 cells
 - 2+: 10 to 20 cells
 - 3+: 20 to 30 cells
 - 4+: cells too numerous to count.
- Proportion of participants with Anterior Chamber Flare (only pre-dose assessment for study eye)
 - \circ 0: no protein
 - Trace: trace amount of protein
 - \circ 1+: mild amount of protein
 - 2+ and 3+: moderate amount of protein (continuum)
 - 4+: severe amount of protein.
- Proportion of participants with Vitreous cells (only pre-dose assessment for study eye)
 - \circ 0: clear (0-1 cells)
 - Trace: few opacities (2-20 cells)
 - 1+: scattered opacities (21-50 cells)
 - 2+: moderate opacities (51-100 cells)
 - 3+: many opacities (101-250 cells)
 - 4+: dense opacities (>251 cells).

Frequency tables will be provided for each of the above categories at each visit where data is available. Shift tables will be provided for the gradings (only pre-dose assessment for study eye).

- Proportion of participants with PCV (YES/NO/not available)
- Proportion of participants with GA development (YES/NO/not available)

Frequency tables will be provided for each of the above categories at each visit where data is available.

7. Document History and Changes in the Planned Statistical Analysis

This Statistical Analysis Plan is based on the integrated clinical study protocol version 3.0 (dated 26 APR 2022), which includes Amendment 2.

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| SAP | Date | | Change | Rationale |
|--------|-------------|---|---|-----------------------|
| Versio | n | | - | |
| V 0.8 | 14/AUG/2020 | | | Stable draft |
| V 1.0 | 27/SEP/2021 | - | Safety follow-up at Week 100 for French | More details added; |
| | | | participants added (sections 3, 4.5.4, 6.4) | Updates made to align |
| | | - | Section 4.5.5 regarding imaging data added | with Regeneron and |
| | | - | Additional COVID-related outputs added | after Bayer review of |
| | | | (section 4.7) | TLF shells |
| | | - | Only one per protocol set kept (section 5.1) | |
| | | - | Analysis timepoints for exposure analysis | |
| | | | updated (section 6.1.4.2) | |
| | | - | Section 6.2.1.3 for adjusted confidence limits | |
| | | | | |
| | | - | added | |
| | | - | Further information for analysis regarding | |
| | | | different intercurrent events added (sections | |
| | | | 6.2.2.1, 6.2.3.1.2, 6.2.3.2.1 – 6.2.3.2.7, 6.2.4.1, | |
| | | | 6.2.4.2, 6.2.4.5, 6.2.4.6, 6.2.4.11, 6.2.4.14) | |
| | | - | Estimand description for sensitivity analysis of | |
| | | | primary endpoint added (section 6.2.2.2.1) | |
| | | - | Estimand description for binary key secondary | |
| | | | endpoint added (section 6.2.3.1.2) | |
| | | - | PK plots added (section 6.3.1) | |
| | | - | Analysis timepoints for safety analysis updated | |
| | | | (Section 6.4.1) | |
| | | - | AE relationship summanes added (section | |
| | | | 0.4.1) | |
| | | - | Surgery summanes removed (section 6.4.3) | |
| | | - | summaries (section $6.1.1$) | |
| | | _ | Heart rate and blood pressure pots added | |
| | | - | (section 6.4.6) | |
| | | _ | IOP summaries updated (section 6.4.7) | |
| | | - | ADA definitions updated (appendix 9.2) | |
| | | - | Pre-defined abnormalities removed for | |
| | | | parameter that are not collected (appendix 9.3) | |
| | | - | Table 9-12 with Strategies for occurrence of | |
| | | | intercurrent events for analysis of continous | |
| | | | variables added | |
| | | - | Table 9-13 with Strategies for occurrence of | |
| | | | intercurrent events for analysis of binary | |
| | | | variables added | |
| | | - | Table 9-14 with regions and countries added | |
| | | - | Minor wording updates and clarifications addec | l |

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| V2.0 | 13 JUL 2022 | - Section 2. Table 1: Exploratory endpoint To reflect the changes |
|------|-------------|---|
| | 10 002 2022 | "Change from baseline in BCVA at each visit in introduced in the clinical |
| | | relation to fluid outcomes" removed (as well as study protocol v3.0 |
| | | corresponding analysis in section 6.2.4) (amendment 2) |
| | | - Section 2 Table 1: Exploratory endpoint |
| | | "Proportion of participants without leakage on |
| | | fluorescein angiography (FA) at Week 48 |
| | | Week 60, and Week 96" added (as well as |
| | | corresponding analysis in section $6.2.4$ 15 and |
| | | definition in section $4.5.5$ |
| | | - Section 2. Table 1: Exploratory endpoints |
| | | undated to "Proportion of participants with a16 |
| | | or longer treatment interval through Week 48 |
| | | Week 60, and Week 96 in HDg16 group" |
| | | "Proportion of participants with a12 or longer |
| | | interval through Week 48. Week 60, and Week |
| | | 96 in the HDg12 and HDg16 groups" and |
| | | "Proportion of participants with a12 or a16 or |
| | | longer treatment interval as the last treatment |
| | | interval at Week 48. Week 60, and Week 96 in |
| | | HDg12 and HDg16 groups, respectively" (as |
| | | well as corresponding analysis in section |
| | | 6 1 4 2) |
| | | - Section 3: Clarification added that the two |
| | | statistical analysis strategies (G-SAP and FP- |
| | | SAP) will be described in one SAP document |
| | | instead of two separate SAP documents |
| | | - Section 4.1.1 Sample Size Determination: Text |
| | | was added to describe the power, based on |
| | | the revised confirmatory testing hierarchy. |
| | | - Section 5.1: FAS definition updated to include |
| | | "and who received at least 1 dose of study |
| | | intervention" |
| | | Section 6.2.1 Statistical Hypotheses - Control |
| | | of Multiplicity: Replaced the 2 figures showing: |
| | | Global SAP (G-SAP), EMA/PMĎA SAP(EP- |
| | | SAP) and related explanations by a strictly |
| | | sequential confirmatory testing hierarchy, and |
| | | including the superiority hypotheses at the end |
| | | of the confirmatory testing hierarchy, all related |
| | | sections updated consistently |
| | | - Section 6.2.1.3 for adjusted confidence |
| | | intervals removed and related sections |
| | | updated consistently |
| | | Section 6.2.2: Minor updates in wording and |
| | | re-numbering of hypotheses according to |
| | | section 6.2.1 |
| | | Section 6.2.2.1 Primary Efficacy Endpoint: |
| | | MMRM updated to remove random effect b _i to |
| | | avoid over parametrization, to add index k to Y |
| | | and ε ; clarification of ε updated. |
| | | Section 6.2.2.1 PPS analysis renamed from |
| | | sensitivity to supplementary analysis and |
| | | added to this section |
| | | Section 6.2.2.2 Sensitivity Analysis: PPS |
| | | moved into section 6.2.2.1 |
| | | Section 6.2.2.2.1 updated for consistency with |
| | | Primary Efficacy Endpoint section |
| | | - Section 6.2.3.1.: Re-numbering of hypotheses |

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| SAP Version | Date | Change | Rationale |
|----------------|------|---|-----------|
| | | according to section 6.2.1 | |
| | | - Section 6.2.3.1.2 updated for consistency with | |
| | | Primary Efficacy Endpoint section, PPS | |
| | | analysis renamed from sensitivity to | |
| | | supplementary analysis and added to this section | |
| | | Section 6.2.3.1.2.1 PPS moved into section 6.2.3.1.2 | |
| | | Section 6.3.1 PK analysis main study: bound concentrations removed and further minor text updates | |
| | | Section 6.3.2 Dense PK analysis: minor text updates | |
| | | - Section 6.4.1: Frequency tables, cross- | |
| | | tabulated with related MedDRA PT, added for | |
| | | intraocular inflammation, hypertension and | |

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| SAP | Date | | Change | Rationale |
|---------|------|---|--|----------------------|
| Version | | | C | |
| | | - | Section 4.5.1: Definition of baseline for blood | To align with PHOTON |
| | | | pressure clarified (to describe that average | study |
| | | | over all visits at or prior to randomization will | - |
| | | | be calculated) | |
| | | - | Section 4.6: Clarifying text added that only one | |
| | | | PPS will be defined for all analyses | |
| | | - | Section 5.1: PPS definition updated to remove | |
| | | | "received at least one dose of study treatment" | |
| | | | (because this condition was added to the FAS) | |
| | | | and to include "had a baseline BCVA value | |
| | | | available" and "had at least one post-baseline | |
| | | | BCVA value available". NAbAS definition | |
| | | | updated to add that the participants must also | |
| | | | be in the ADA analysis set, test negative at all | |
| | | | ADA sampline times or test positive at one or | |
| | | | more post-dose ADA sampling times, and must | t |
| | | | have at least one post-dose NAb result. | |
| | | - | Section 6.2.4.5: Proportion of participants with | |
| | | | any gain in BCVA added | |
| | | - | Section 6.4.7: Proportion of participants with | |
| | | | increased IOP changed from "≥10 mmHg | |
| | | | increase in IOP measurement from pre-dose to | 1 |
| | | | post-dose" to "≥10 mmHg increase in IOP | |
| | | | measurement from baseline to pre-dose"; | |
| | | | Proportion of participants with increased IOP | |
| | | | changed from "≥21 mmHg for any pre-dose | |
| | | | and post-dose measurement at any time during | 1 |
| | | | the study" to ">21 mmHg for any pre-dose | |
| | | | measurement at any time during the study"; | |
| | | | Remove post-dose summaries for IOP "≥10 | |
| | | | mmHg, ">21 mmHg and "≥25 mmHg | |
| | | - | Sections 6.2.4.12 and 6.2.4.13: Addition of | |
| | | | separate analysis on IRF and SRF for "time to | |
| | | | fluid-free retina" and "time to sustained fluid- | |
| | | | tree retina". Addition of stratified log-rank test | |
| | | | and addition of Cox proportional nazards | |
| | | | model to compare each HD group with the 248 | |
| | | | group using the study visits, not calendar days, | |
| | | | as units. | |
| | | - | free retine elerified and analysis of time to | |
| | | | nee reuna cianneu anu analysis ol ume lo | |
| | | | Sustained Ildiu-ilee relifid duded. | |
| | | - | weight changed to by PML actogories | |
| | | | Section 0.4: Subsections and their DTs | |
| | | - | updated using ModDPA version 25.0 | |
| | | | upualeu using weudra version 23.0. | |

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| SAP | Date | Change | Rationale |
|---------|------|---|---------------------------|
| Version | | - Section 5 / Section 6 / Section 6 2. Remove | To remove analyses that |
| | | PPS analysis for additional secondary efficacy | are not necessary for |
| | | variables | the clinical study report |
| | | - Section 6.1.2: General summary for all medical | |
| | | history events removed, MH listings for drop- | |
| | | out participants removed | |
| | | - Section 6.2.2 / Section 6.2.3 (and subsections) | |
| | | / Section 6.2.4 (and subsections): Remove | |
| | | summary tables for observed cases ignoring | |
| | | the occurrence of ICEs for all efficacy | |
| | | endpoints; Remove Mi analysis for all binary | |
| | | variables | |
| | | - Section 6 2 3 1 2 1: Remove logistic | |
| | | regressions for dryness endpoint | |
| | | - Section 6.2.5: Remove subgroup analysis for | |
| | | all additional secondary endpoints: Removed | |
| | | forrest plots | |
| | | - Remove analysis of Bilateral Treatment | |
| | | Experience with Aflibercept Treatment (prior | |
| | | Section 6.4.1.2) | |
| | | Section 6.3.1: Removal of summaries for PK | |
| | | concentration and BP relationship, Removal of | |
| | | summaries for PK concentration by ADA | |
| | | subgroups. Removal of PK listings by | |
| | | subgroup. | |
| | | - Section 0.3.2: Removal of summanes for PK | |
| | | Section 6.4.2: Removed immunogenecity | |
| | | - Section 0.4.2. Removed initiallogeneous subgroup for analysis of TEΔEs | |
| | | - Sections 6 2 2 2 1 and 9 5. Definition of the | |
| | | Sensitibity Estimand and "Strategy" column | |
| | | removed from "Sensitivity Estimand" section in | |
| | | Table 16 as it follows the same strategy as the | |
| | | primary estimand but using a different analysis | |
| | | approach. | |

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| SAP Date Change | | Rationale | | |
|-----------------|--|-----------|--|-----------------------|
| Version | | | - | |
| | | - | Section 4.5.3: Clarification added for re- | To provide additional |
| | | | mapping of early discontinuation visit data | details |
| | | - | Section 4.5.4: Clarification added how to | |
| | | | classify and summarize imaging data assesses | i |
| | | | by the reading center | |
| | | - | Section 4.5.5: Definition of fellow eye treatment | t |
| | | | added and subsequent sections updated | |
| | | | accordingly | |
| | | - | Section 4.5.6: Definition of prohibited | |
| | | | medication added | |
| | | - | Section 4.8: Listing added for participants | |
| | | | affected by Ukraine/Russia crisis related | |
| | | | findings and deviations | |
| | | - | Section 6.2.2.1: Proposal added for | |
| | | | convergence issues with unstructured | |
| | | | covariance matrix. Additional text to clarify that | |
| | | | different covariance parameters are assumed | |
| | | | per treatment group. This information was | |
| | | | already illustrated in the equation. | |
| | | - | Section 6.2.2.2.1 / 6.2.2.2.2.1 / 6.2.3.1.2.1: | |
| | | | Clarification added that unadjusted two-sided | |
| | | | 95% Cls will be presented as well for the | |
| | | | primary and key secondary efficacy endpoints | |
| | | - | Section 6.2.2.2.2: Clarification added for the | |
| | | | method to be used in the MI procedure | |
| | | - | Section 6.2.3.1.2: Clarification added how to | |
| | | | derive the dryness endpoint | |
| | | - | Section 6.2.3.2.5: Previously removed text | |
| | | | added back | |
| | | - | Section 6.4.1: Clarification added that all AEs | |
| | | | that started at first injection or later will be | |
| | | | considered treatment-emergent for participants | |
| | | | who are "ongoing" at the Week 48 analysis and | |
| | | | at the Week 60 analysis, respectively | |
| | | - | Section 6.4.7: Clarification added that slit lamp | |
| | | | summaries will only include pre-dose | |
| | | | assessments for the study eye | |
| | | - | Section 9.4.3: List of PIs added to identify | |
| | | | nasal mucosal events | |
| | | - | Section 9.5: Footnotes added for clarification of | ſ |
| | | | missing loading dose injections and reference | |
| | | | to section 4.5.6 added for prohibited | |
| | | | medication ICE | |

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| SAP | Date | | Change | Rationale |
|---------|------|--------------------|----------------------------------|---------------|
| Version | | | - | |
| | | - Section 4.5.1: E | Definition of baseline based on | Minor updates |
| | | date of random | zation instead of date of first | |
| | | study intervention | on | |
| | | - Section 4.5.2: F | Removal of re-mapping of | |
| | | unscheduled as | sessment data | |
| | | - Section 4.5.3: F | Removal of re-mapping of | |
| | | unscheduled as | sessment data | |
| | | - Section 4.5.3: I | ne "last visit" will not be | |
| | | summarized on | | |
| | | - Section 5.2. Ag | e, ethnicity, race and baseline | |
| | | Section 6.1.1 | os upualeu | |
| | | - Section 6.1.1. F | ye and baseline bovA | |
| | | notontial IPE | SPE and dryposs status | |
| | | removed: medi | and dryness status | |
| | | medical history | of cerebrovascular disease | |
| | | medical history | of ischaemic heart disease | |
| | | medical history | of renal impairment henatic | |
| | | impairment add | ed | |
| | | - Section 6.1.2. S | Separate summaries for medica | |
| | | history of hyper | tension medical history of | |
| | | cerebrovascula | r disease medical history of | |
| | | ischaemic hear | t disease, medical history of | |
| | | renal impairmer | nt. hepatic impairment removed | |
| | | - Section 6.1.4.2 | Following added: Proportion of | - |
| | | participants with | n g12 or g16 or longer treatmen | t |
| | | interval as the l | ast completed treatment interva | I |
| | | at Week 48, We | eek 60, and Week 96 in HDg12 | |
| | | and HDq16 gro | ups, respectively (based on the | |
| | | 2 last active inje | ections received before Week | |
| | | 48, Week 60, a | nd Week 96); Proportion of | |
| | | participants ma | intained with q16 treatment | |
| | | interval through | through Week 60 in HDq16 | |
| | | group; Proportio | on of participants maintained | |
| | | with q12 or long | ger interval through Week 60 in | |
| | | the HDq12 and | HDq16 groups added; | |
| | | Proportion of pa | articipants dropping out during | |
| | | loading phase; | Proportion of participants | |
| | | shortening treat | ment interval to q8 at Week 16 | |
| | | or Week 20 in H | IDq12 and HDq16 groups; | |
| | | Proportion of pa | articipants shortening treatment | |
| | | Interval due to I | DRM criterion in HDq12 and | |
| | | HDq16 groups; | Proportion of participants neve | ſ |
| | | extending treat | Den article of a set size set | |
| | | HDq16 groups; | Proportion of participants | |
| | | extending treati | nent interval due to DRM | |
| | | Criteria in HDq1 | ∠ and HDQ16 groups | |
| | | - Section 9.5. Cla | mying text added, minor | |
| | | mistakes correc | leu | |

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| SAP | Date | Change | Rationale |
|--------|--------------|---|--------------------------|
| Versio | n | | |
| | | - Section 4.5.4: IRF presence in center point an | d Updates based on dry |
| | | SRF presence in center point added | run and mock CSR |
| | | - Section 5.2: Statement added that any | review comments |
| | | statistical testing / calculation of p-values for | |
| | | subgroups will only be done for exploratory | |
| | | purpose | |
| | | Section 6.1.4.2: Sequence of exposure | |
| | | variables updated and additional treatment | |
| | | summaries for patients with bilateral treatment | |
| | | added | |
| | | - Section 6.2.1: Statement for re-production of | |
| | | week 48 summaries for week 60 delivery | |
| | | removed | |
| | | Section 6.2.3.1.2: Clarification for denominator | - |
| | | for proportion calculation added and additional | |
| | | summaries for IRF/SRF at central subfield and | |
| | | IRF/SRF/Dryness status at center point added | |
| | | - Section 6.2.3.2.1, 6.2.3.2.2, 6.2.3.2.5, 6.2.4.3, | |
| | | 6.2.4.4, 6.2.4.5, 6.2.4.6, 6.2.4.10, 6.2.4.11, | |
| | | 6.2.4.13, 6.2.4.15: Clarification for denominato | r |
| | | for proportion calculation added | |
| | | - Section 6.2.3.2.3, 6.2.3.2.4, 6.2.3.2.7, 6.2.4.7, | |
| | | 6.2.4.8, 6.2.4.14, 6.2.4.15: Clarification added | |
| | | that also data from early termination visits, that | t |
| | | could not be re-mapped to a regular visit will b | e |
| | | considered for LOCF summaries | |
| | | - Section 6.2.4.13: descriptive LOCF summary | |
| - | | removed | |
| | | - Section 6.4.1: Sorting changed to alphabetical | |
| | | order, summaries for pooled HD group added, | |
| | | SOC summaries added for separate intraocula | ar |
| | | Inflammation, APTC, hypertension and hasa | |
| | | mucosal finding event tables, further minor tex | t |
| | | updates | |
| | | - Section 6.4.2. Titel summanes added | |
| | | - Section 6.4.4. Claimcation added for | |
| | | summanes of treatment-emergent pre-defined | |
| | | ab abnormalities, Statement about SI units | |
| | | Section 6.4.6: Summarica for treatment | |
| | | - Section 6.4.6. Summanes for treatment | |
| | | removed | |
| | | Section 0.4.2: DT terms undeted | |
| 1/20 | Data of last | - Section 9.4.5. FT terms updated | Additional pro aposified |
| v 3.0 | signature | - Additional pre-specified exploratory efficacy endpoints and analysiss montioned in | exploratory officeou |
| | Signature | Continue and details added in Appandix 0.7 | exploratory enicacy |
| | | Section 2 and details added in Appendix 9.7 | added for submission to |
| | | | US FDA |

8. **References**

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9. Appendix

9.1 Handling of Questionnaires

9.1.1 NEI-VFQ-25 Sub-scale Scores and Total Score

The calculation for NEI-VFQ-25 sub-scale scores and total score will be performed according to The National Eye Institute (2000). The algorithm is then: As a preparation of the VFQ-25 calculation, the items of the questionnaire will be recoded according to Table 9–1. In the further calculations, only the recoded item values will be used. For the recoded values, they generally represent the best possible result as "100" and the worst possible result as "0".

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| Item no. | Original response to | Recoded item |
|---|----------------------|--------------|
| 1, 3, 4, 15c ^(a) | 1 . | 100 |
| | 2 | 75 |
| | 3 | 50 |
| | 4 | 25 |
| | 5 | 0 |
| 2 | 1 | 100 |
| | 2 | 80 |
| | 3 | 60 |
| | 4 | 40 |
| | 5 | 20 |
| | 6 | 0 |
| 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 16a | 1 | 100 |
| | 2 | 75 |
| | 3 | 50 |
| | 4 | 25 |
| | 5 | 0 |
| | 6 | * |
| 17. 18. 19. 20. 21. 22. 23. 24. 25 | 1 | 0 |
| ,,, | 2 | 25 |
| | - 3 | 50 |
| | с 4 | 75 |
| | 5 | 100 |

Table 9–1: Recoding of NEI-VFQ 25 items

^(a) Item 15c has four-response levels but is expanded to a five-levels using item 15b: if 15b="1", then 15c="0" / if 15b=("2" or "3"), then 15c="missing"
 * Here, Response choice "6" indicates that the person does not perform the activity because of non-

* Here, Response choice "6" indicates that the person does not perform the activity because of nonvision-related problems. If this choice is selected, the item is coded as "missing".

For the VFQ questionnaire, 12 sub-scales will be evaluated (see Table 9–2), and 11 of these sub-scales will be included in the total VFQ score.

| Sub-scale no. | Sub-scale | Number of items | (Recoded) items to be averaged | Sub-scale included in total scale |
|---------------|---------------------|-----------------|--------------------------------|--------------------------------------|
| 1 | General Health | 1 | 1 | No |
| 2 | General Vision | 1 | 2 | Yes |
| 3 | Ocular Pain | 2 | 4, 19 | Yes |
| 4 | Near Activities | 3 | 5, 6, 7 | Yes |
| 5 | Distance Activities | 3 | 8, 9, 14 | Yes |
| | Vision specific: | | | |
| 6 | Social Functioning | j2 | 11, 13 | Yes |
| 7 | Mental Health | 4 | 3, 21, 22, 25 | Yes |
| 8 | Role Difficulties | 2 | 17, 18 | Yes |
| 9 | Dependency | 3 | 20, 23, 24 | Yes |
| 10 | Driving | 3 | 15c, 16, 16a | Yes |
| 11 | Color vision | 1 | 12 | Yes |
| 12 | Peripheral Vision | 1 | 10 | Yes |

Table 9-2: Sub-scales of the NEI-VFQ 25 score

For a single sub-scale, the value will be determined as the average of the non-missing recoded item values assigned to this sub-scale. A sub-scale value will only be assessed as missing if all items for this sub-scale have "missing" as a result.

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The total score is calculated as the arithmetic mean of all non-missing sub-scales (except General Health):

 $total result = \frac{(sum of non - missing sub - scale values)}{Total number of sub - scales with non - missing result}$

Due to this calculation approach, the total result will be non-missing if at least one sub-scale result is non-missing.

9.2 Development of Anti-drug Antibodies

The measurements of antibody assays (screening and confirmatory assay) at baseline, Week 48 and Week 96 will be used to classify the respective antibody status at the respective visit in the following Table 9-3

| Screening test | Confirmatory test | Antibody status at respective visit |
|----------------|-------------------|--|
| Negative | ND | Negative |
| Negative | Negative | Negative |
| Negative | Positive | Positive |
| Positive | ND | ND |
| Positive | Negative | Negative |
| Positive | Positive | Positive |
| ND | ND | ND |
| ND | Negative | Negative |
| ND | Positive | Positive |

Table 9–3: Classification of the respective antibody status

The antibody status for the overall study course until Week 96 will be defined according to the following definition.

- ADA Negative: defined as negative response in the ADA assay at all time points and those that exhibit a pre-existing response, regardless of any missing samples
- ADA positive: defined as those that exhibit a treatment-emergent or treatmentboosted ADA response, regardless of any missing sample

Pre-existing immunoreactivity: defined as either a positive response in the ADA assay at baseline with all post first dose ADA results negative OR a positive response at baseline with all post first dose ADA responses less than 4-fold of baseline titer levels.

Treatment-boosted ADA response: defined as a positive response post first dose that is greater than or equal to 4-fold over baseline titer level, when baseline results are positive.

Treatment-emergent positive: defined as an ADA positive response post first dose when baseline results are negative or missing, or ADA positive response more than 4fold of a positive baseline titer. The treatment-emergent responses will be further characterized as Persistent, Indeterminate or Transient.

• Persistent Response – Treatment-emergent ADA positive response with two or more consecutive ADA positive sampling time points, with no ADA

negative samples in between, regardless of any missing samples.

- Indeterminate Response –Treatment-emergent ADA positive response with only the last collected sample positive in the ADA assay, regardless of any missing samples.

- Transient Response – Treatment-emergent ADA positive response that is not considered persistent or indeterminate, regardless of any missing samples.

9.3 **Pre-defined Laboratory Abnormalities**

Table 9-4: Pre-defined laboratory abnormalities

| Parameter | Pre-defined laboratory abnormalities for phase 2/3 studies |
|-------------------------|---|
| Clinical chemistry | |
| ALT | > 3 ULN |
| AST | > 3 ULN |
| Alkaline Phosphatase | > 1.5 ULN |
| Total Bilirubin | > 1.5 ULN |
| Conjugated bilirubin | > 35% total bilirubin (when total bilirubin >1.5 ULN) |
| ALT and Total Bilirubin | ALT > 3 ULN and Total Bilirubin > 2 ULN |
| СРК | > 3 ULN |
| Creatinine | ≥ 150 µmol/L (Adults) |
| | ≥ 30% from baseline |
| Uric Acid | Hyperuricemia: >408 µmol/L |
| | Hypouricemia: <120 µmol/L |
| Blood Urea Nitrogen | ≥ 17 mmol/L |
| Chloride | < 80 mmol/L |
| | > 115 mmol/L |
| Sodium | ≤ 129 mmol/L |
| | ≥ 160 mmol/L |
| Potassium | < 3 mmol/L |
| | ≥ 5.5 mmol/L |
| Total Cholesterol | ≥ 7.74 mmol/L (3 g/L) |
| Triglycerides | \geq 4.6 mmol/L (4 g/L) |
| Glucose | |
| - Hypoglycaemia | \leq 3.9 mmol/L and < LLN |
| - Hyperglycaemia | \geq 11.1 mmol/L (unfasted), \geq 7 mmol/L (fasted) |
| Albumin | ≤ 25 g/L |
| Hematology | |
| WBC | < 3.0 GIGA/L (non-Black), < 2.0 GIGA/L (Black), ≥ 16.0 GIGA/L |
| Lymphocytes | > 4.0 GIGA/L |
| Neutrophils | < 1.5 GIGA/L (non-Black) |
| | < 1.0 GIGA/L (Black) |
| Monocytes | > 0.7 GIGA/L |
| Basophils | > 0.1 GIGA/L |
| Eosinophils | > 0.5 GIGA/L or > ULN if ULN ≥ 0.5 GIGA /L |
| Hemoglobin | Males : 115 g/L (≤ 7.14 mmol/L), ≥ 185 g/L (11.48 mmol/L) |
| | Females : ≤ 95 g/L (5.9 mmol/L), ≥ 165 g/L (10.24 mmol/L) |
| | Decrease from baseline \geq 20 g/L (1.24 mmol/L) |
| Hematocrit | Males : ≤ 0.37 v/v, ≥ 0.55 v/v |
| | Females : ≤ 0.32 v/v, ≥ 0.5 v/v |
| RBC | ≥ 6 TERA/L |
| Platelets | < 100 GIGA/L |

LLN: lower limit of normal, ULN: upper limit of normal

9.4 Definition of safety subgroups

In the following the definitions for subgroups based on medical history and adverse events are given.

9.4.1 Hypertension

Hypertension will be selected based on the PTs as described in Table 9–5 below, following the PBMQ 1275. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

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Table 9–5: PTs for selection of "Hypertension"

| Preferred term (MedDRA version 25.0) | | |
|--|--|--|
| Accelerated hypertension | | |
| Blood pressure ambulatory increased | | |
| Blood pressure diastolic increased | | |
| Blood pressure inadequately controlled | | |
| Blood pressure increased | | |
| Blood pressure systolic increased | | |
| Diastolic hypertension | | |
| Endocrine hypertension | | |
| Essential hypertension | | |
| Hypertension | | |
| Hypertension neonatal | | |
| Hypertensive angiopathy | | |
| Hypertensive cardiomegaly | | |
| Hypertensive cardiomyopathy | | |
| Hypertensive cerebrovascular disease | | |
| Hypertensive crisis | | |
| Hypertensive emergency | | |
| Hypertensive encephalopathy | | |
| Hypertensive end-organ damage | | |
| Hypertensive heart disease | | |
| Hypertensive nephropathy | | |
| Hypertensive urgency | | |
| Labile hypertension | | |
| Malignant hypertension | | |
| Malignant hypertensive heart disease | | |
| Malignant renal hypertension | | |
| Maternal hypertension affecting foetus | | |
| Mean arterial pressure increased | | |
| Neurogenic hypertension | | |
| Orthostatic hypertension | | |
| Page kidney | | |
| Prehypertension | | |
| Renal hypertension | | |
| Renovascular hypertension | | |
| Retinopathy hypertensive | | |
| Supine hypertension | | |
| Systolic hypertension | | |
| White coat hypertension | | |

9.4.2 Intraocular inflammation

Intraocular inflammation will be selected based on the PTs as described in Table 9–6 below. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

Table 9–6: PTs for selection of "Intraocular Inflammation"

| Preferred term (MedDRA version 25.0) | |
|--------------------------------------|---|
| Anterior chamber fibrin | _ |
| Anterior chamber cell | |
| Anterior chamber flare | |
| Anterior chamber inflammation | |
| Aqueous fibrin | |
| Autoimmune uveitis | |
| Candida endophthalmitis | |
| Chorioretinitis | |
| Choroiditis | |
| Cyclitis | |
| Endophthalmitis | |
| Eye infection bacterial | |
| Eye infection chlamydial | |
| Eye infection fungal | |
| Eye infection intraocular | |
| Eye infection staphylococcal | |
| Eye infection | |
| Eye inflammation | |
| Hypopyon | |
| Infectious iridocyclitis | |
| Infective iritis | |
| Infective uveitis | |
| Iridocyclitis | |
| Iritis | |
| Mycotic endophthalmitis | |
| Necrotising retinitis | |
| Non-infectious endophthalmitis | |
| Noninfective chorioretinitis | |
| Pseudoendophthalmitis | |
| Uveitis | |
| Vitreal cells | |
| Vitreous fibrin | |
| Vitritis | |

9.4.3 Nasal mucosal events

Nasal mucosal events will be selected based on the PTs as described in Table 9–7 below. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

| s" |
|----|
| |

Preferred term (MedDRA version 25.0) Epistaxis Nasal inflammation Nasal mucosal erosion Nasal mucosal ulcer Nasal ulcer

9.4.4 Medical history of cerebrovascular disease (e.g. CVA / Stroke)

Defined by MSSO SMQ 20000060 'Central nervous system vascular disorders'as described in Table 9–8 below. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

Table 9–8: PTs for selection of medical history of "Cerebrovascular Disease"

| Preferred Term (MedDRA version 25.0) | | |
|---|--|--|
| Agnosia | | |
| Amaurosis fugax | | |
| Amyloid related imaging abnormalities | | |
| Amyloid related imaging abnormality-microhaemorrhages and haemosiderin deposits | | |
| Amyloid related imaging abnormality-oedema/effusion | | |
| Angiogram cerebral abnormal | | |
| Aphasia | | |
| Balint's syndrome | | |
| Basal ganglia haematoma | | |
| Basal ganglia haemorrhage | | |
| Basal ganglia infarction | | |
| Basal ganglia stroke | | |
| Basilar artery aneurysm | | |
| Basilar artery occlusion | | |
| Basilar artery perforation | | |
| Basilar artery stenosis | | |
| Basilar artery thrombosis | | |
| Benedikt's syndrome | | |
| Blood brain barrier defect | | |
| Brachiocephalic arteriosclerosis | | |
| Brachiocephalic artery occlusion | | |
| Brachiocephalic artery stenosis | | |
| Brain hypoxia | | |
| Brain injury | | |
| Brain stem embolism | | |
| Brain stem haematoma | | |
| Brain stem haemorrhage | | |
| Brain stem infarction | | |
| Brain stem ischaemia | | |
| Brain stem microhaemorrhage | | |
| Brain stem stroke | | |
| Brain stem thrombosis | | |
| Brain stent insertion | | |
| CADASIL | | |
| CARASIL syndrome | | |
| CSF bilirubin positive | | |
| CSF red blood cell count positive | | |
| Capsular warning syndrome | | |
| | | |

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| Preferred Term (MedDRA version 25.0) |
|--|
| Carotid aneurysm rupture |
| Carotid angioplasty |
| Carotid arterial embolus |
| Carotid arteriosclerosis |
| Carotid artery aneurysm |
| Carotid artery bypass |
| Carotid artery disease |
| Carotid artery dissection |
| Carotid artery dolichoectasia |
| Carotid artery insufficiency |
| Carotid artery occlusion |
| Carotid artery perforation |
| Carotid artery restenosis |
| Carotid artery stenosis |
| Carotid artery stent insertion |
| Carotid artery stent removal |
| Carotid artery thrombosis |
| Carotid endarterectomy |
| Carotid revascularisation |
| Central nervous system haemorrhage |
| Central nervous system vasculitis |
| Central pain syndrome |
| Cerebellar artery occlusion |
| Cerebellar artery thrombosis |
| Cerebellar atherosclerosis |
| Cerebellar embolism |
| Cerebellar haematoma |
| Cerebellar haemorrhage |
| Cerebellar infarction |
| Cerebellar ischaemia |
| Cerebellar microhaemorrhage |
| Cerebellar stroke |
| Cerebral amyloid angiopathy |
| Cerebral aneurysm perforation |
| Cerebral aneurysm ruptured syphilitic |
| Cerebral arteriosclerosis |
| Cerebral arteriovenous malformation haemorrhagic |
| Cerebral arteritis |
| Cerebral artery embolism |
| Cerebral artery occlusion |
| Cerebral artery perforation |
| Cerebral artery restenosis |
| Cerebral artery stenosis |

Table 9–8: PTs for selection of medical history of "Cerebrovascular Disease"
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| Preferred Term (MedDRA version 25.0) |
|--|
| Cerebral artery stent insertion |
| Cerebral artery thrombosis |
| Cerebral capillary telangiectasia |
| Cerebral cavernous malformation |
| Cerebral circulatory failure |
| Cerebral congestion |
| Cerebral cyst haemorrhage |
| Cerebral endovascular aneurysm repair |
| Cerebral gas embolism |
| Cerebral haematoma |
| Cerebral haemorrhage |
| Cerebral haemorrhage foetal |
| Cerebral haemorrhage neonatal |
| Cerebral haemosiderin deposition |
| Cerebral hypoperfusion |
| Cerebral infarction |
| Cerebral infarction foetal |
| Cerebral ischaemia |
| Cerebral microangiopathy |
| Cerebral microembolism |
| Cerebral microhaemorrhage |
| Cerebral microinfarction |
| Cerebral reperfusion injury |
| Cerebral revascularisation |
| Cerebral septic infarct |
| Cerebral small vessel ischaemic disease |
| Cerebral thrombosis |
| Cerebral vascular occlusion |
| Cerebral vasoconstriction |
| Cerebral venous sinus thrombosis |
| Cerebral venous thrombosis |
| Cerebral ventricular rupture |
| Cerebrovascular accident |
| Cerebrovascular accident prophylaxis |
| Cerebrovascular arteriovenous malformation |
| Cerebrovascular disorder |
| Cerebrovascular insufficiency |
| Cerebrovascular pseudoaneurysm |
| Cerebrovascular stenosis |
| Charcot-Bouchard microaneurysms |
| Chronic cerebrospinal venous insufficiency |
| Claude's syndrome |
| Congenital cerebrovascular anomaly |

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| Preferred Term (MedDRA version 25.0) |
|--|
| Congenital hemiparesis |
| Delayed ischaemic neurological deficit |
| Diplegia |
| Dural arteriovenous fistula |
| Dysarthria |
| Embolic cerebellar infarction |
| Embolic cerebral infarction |
| Embolic stroke |
| Epidural haemorrhage |
| Extra-axial haemorrhage |
| Extradural haematoma |
| Extradural haematoma evacuation |
| Extraischaemic cerebral haematoma |
| Foetal cerebrovascular disorder |
| Foville syndrome |
| Haemorrhage intracranial |
| Haemorrhagic cerebellar infarction |
| Haemorrhagic cerebral infarction |
| Haemorrhagic stroke |
| Haemorrhagic transformation stroke |
| Heidelberg classification |
| Hemianaesthesia |
| Hemiasomatognosia |
| Hemiataxia |
| Hemidysaesthesia |
| Hemihyperaesthesia |
| Hemihypoaesthesia |
| Hemiparaesthesia |
| Hemiparesis |
| Hemiplegia |
| Hunt and Hess scale |
| Hypertensive cerebrovascular disease |
| Hypoxic-ischaemic encephalopathy |
| Inner ear infarction |
| Internal capsule infarction |
| Internal carotid artery deformity |
| Intra-cerebral aneurysm operation |
| Intracerebral haematoma evacuation |
| Intracranial aneurysm |
| Intracranial artery dissection |
| Intracranial haematoma |
| Intracranial haemorrhage neonatal |
| Intracranial tumour haemorrhage |
| |

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| Preferred Term (MedDRA version 25.0) |
|---|
| Intraventricular haemorrhage |
| Intraventricular haemorrhage neonatal |
| Ischaemic cerebral infarction |
| Ischaemic stroke |
| Lacunar infarction |
| Lacunar stroke |
| Lateral medullary syndrome |
| Lateropulsion |
| Malignant middle cerebral artery syndrome |
| Medullary compression syndrome |
| Meningorrhagia |
| Metabolic stroke |
| Migrainous infarction |
| Millard-Gubler syndrome |
| Modified Rankin score decreased |
| Modified Rankin score increased |
| Monoparesis |
| Monoplegia |
| Moyamoya disease |
| NIH stroke scale abnormal |
| NIH stroke scale score decreased |
| NIH stroke scale score increased |
| Paralysis |
| Paraparesis |
| Paraplegia |
| Paresis |
| Perinatal stroke |
| Periventricular haemorrhage neonatal |
| Pituitary apoplexy |
| Pituitary haemorrhage |
| Post cardiac arrest syndrome |
| Post procedural stroke |
| Post stroke depression |
| Posthaemorrhagic hydrocephalus |
| Precerebral arteriosclerosis |
| Precerebral artery aneurysm |
| Precerebral artery dissection |
| Precerebral artery embolism |
| Precerebral artery occlusion |
| Precerebral artery thrombosis |
| Primary familial brain calcification |
| Pseudo-occlusion of internal carotid artery |
| Putamen haemorrhage |
| |

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| Preferred Term (MedDRA version 25.0) |
|---|
| Quadriparesis |
| Quadriplegia |
| Reversible cerebral vasoconstriction syndrome |
| Reversible ischaemic neurological deficit |
| Right hemisphere deficit syndrome |
| Ruptured cerebral aneurysm |
| Septic cerebral embolism |
| Sigmoid sinus thrombosis |
| Sneddon's syndrome |
| Spinal artery embolism |
| Spinal artery thrombosis |
| Spinal cord haematoma |
| Spinal cord haemorrhage |
| Spinal cord infarction |
| Spinal cord ischaemia |
| Spinal epidural haematoma |
| Spinal epidural haemorrhage |
| Spinal stroke |
| Spinal subarachnoid haemorrhage |
| Spinal subdural haematoma |
| Spinal subdural haemorrhage |
| Spinal vascular disorder |
| Spinal vessel congenital anomaly |
| Stroke in evolution |
| Subarachnoid haematoma |
| Subarachnoid haemorrhage |
| Subarachnoid haemorrhage neonatal |
| Subclavian steal syndrome |
| Subdural haematoma |
| Subdural haematoma evacuation |
| Subdural haemorrhage |
| Subdural haemorrhage neonatal |
| Superficial siderosis of central nervous system |
| Superior sagittal sinus thrombosis |
| Susac's syndrome |
| Thalamic infarction |
| Thalamus haemorrhage |
| Thrombotic cerebral infarction |
| Thrombotic stroke |
| Transient ischaemic attack |
| Transverse sinus thrombosis |
| Vascular encephalopathy |
| Vascular stent occlusion |
| |

Table 9–8: PTs for selection of medical history of "Cerebrovascular Disease"

| Preferred Term (MedDRA version 25.0) |
|---------------------------------------|
| Vascular stent stenosis |
| Vein of Galen aneurysmal malformation |
| Vertebral artery aneurysm |
| Vertebral artery arteriosclerosis |
| Vertebral artery dissection |
| Vertebral artery occlusion |
| Vertebral artery perforation |
| Vertebral artery stenosis |
| Vertebral artery thrombosis |
| Vertebrobasilar dolichoectasia |
| Vertebrobasilar insufficiency |
| Vertebrobasilar stroke |
| Visual agnosia |
| Visual midline shift syndrome |
| Weber's syndrome |

9.4.5 Medical history of ischaemic heart disease (e.g., myocardial infarction)

PBMQ 'Myocardial Infarction' is defined by selected PTs only (from MSSO SMQs below):

- 20000043: Ischaemic heart disease (MSSO SMQ)
- 20000047: Myocardial infarction (MSSO SMQ)

as described in Table 9–9 below. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

| Preferred Term (MedDRA version 25.0) |
|--|
| Acute coronary syndrome |
| Acute myocardial infarction |
| Angina pectoris |
| Angina unstable |
| Anginal equivalent |
| Arterial revascularisation |
| Arteriogram coronary abnormal |
| Arteriosclerosis coronary artery |
| Arteriospasm coronary |
| Cardiac perfusion defect |
| Cardiac ventricular scarring |
| Chronic coronary syndrome |
| Computerised tomogram coronary artery abnormal |
| Coronary angioplasty |
| Coronary arterial stent insertion |

| Table 9–9: PTs for selection of medical history of "Ischaemic Heart |
|---|
| Disease" |

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| Table 9–9: PTs for selection of medical history of "Ischaemic Heart |
|---|
| Disease" |

| Preferred Term (MedDRA version 25.0) |
|---|
| Coronary artery bypass |
| Coronary artery compression |
| Coronary artery disease |
| Coronary artery dissection |
| Coronary artery embolism |
| Coronary artery insufficiency |
| Coronary artery occlusion |
| Coronary artery reocclusion |
| Coronary artery restenosis |
| Coronary artery stenosis |
| Coronary artery surgery |
| Coronary artery thrombosis |
| Coronary brachytherapy |
| Coronary bypass stenosis |
| Coronary bypass thrombosis |
| Coronary endarterectomy |
| Coronary no-reflow phenomenon |
| Coronary ostial stenosis |
| Coronary revascularisation |
| Coronary steal syndrome |
| Coronary vascular graft occlusion |
| Coronary vascular graft stenosis |
| ECG electrically inactive area |
| ECG signs of myocardial infarction |
| ECG signs of myocardial ischaemia |
| Electrocardiogram PR segment depression |
| Electrocardiogram PR segment elevation |
| Electrocardiogram ST segment abnormal |
| Electrocardiogram ST segment depression |
| Electrocardiogram ST segment elevation |
| Electrocardiogram ST-T segment abnormal |
| Electrocardiogram ST-T segment depression |
| Electrocardiogram ST-T segment elevation |
| External counterpulsation |
| Haemorrhage coronary artery |
| Infarction |
| Ischaemic cardiomyopathy |
| Ischaemic contracture of the left ventricle |
| Kounis syndrome |
| Myocardial hypoperfusion |
| Myocardial hypoxia |
| Myocardial infarction |
| Myocardial ischaemia |

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| Table 9–9: PTs for selection of medical history of "Isc | haemic Heart: |
|---|---------------|
| Disease" | |

| Preferred Term (MedDRA version 25.0) |
|---------------------------------------|
| Myocardial necrosis |
| Myocardial reperfusion injury |
| Myocardial stunning |
| Papillary muscle infarction |
| Percutaneous coronary intervention |
| Periprocedural myocardial infarction |
| Positive vessel remodelling |
| Post angioplasty restenosis |
| Post procedural myocardial infarction |
| Postinfarction angina |
| Prinzmetal angina |
| Scan myocardial perfusion abnormal |
| Silent myocardial infarction |
| Stent patency maintenance |
| Stress cardiomyopathy |
| Subclavian coronary steal syndrome |
| Subendocardial ischaemia |
| Vascular device occlusion |
| Vascular graft occlusion |
| Vascular graft restenosis |
| Vascular graft stenosis |
| Vascular graft thrombosis |
| Vascular stent occlusion |
| Vascular stent stenosis |
| Ventricular compliance decreased |
| Wellens' syndrome |

9.4.6 Medical history of renal impairment

Renal impairment is defined by creatinine clearance (CrCl) values.

Categories for renal impairment:

- CLCR >80ml/min (normal),
- CLCR >50-80ml/min (mild),
- CLCR >30-50 ml/min (moderate),
- CLCR <= 30ml/min or 'requiring dialysis' (severe).

CLCR will be calculated using baseline values (creatinine, age, weight, sex) using the Cockcroft-Gault equation:

Males: CLCR = (140-age)*body weight / (72*creatinine)

Females: CLCR = (140-age)*body weight*0.85 / (72*creatinine)

'Requiring dialysis' is defined by PT from Table 9–10. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

Table 9–10: PTs for selection of medical history of "Requiring dialysis"

| Preferred Term (MedDRA version 25.0) |
|--------------------------------------|
| Continuous haemodiafiltration |
| Dialysis |
| Dialysis device insertion |
| Haemodialysis |
| Haemofiltration |
| Peritoneal dialysis |
| Removal of renal transplant |
| Renal replacement therapy |
| Renal transplant |

9.4.7 Medical history of hepatic impairment

Defined by MSSO SMQ: Hepatic disorders 20000005 excluding sub-SMQ 20000018: Pregnancy-related hepatic disorders as described in Table 9–11 below. All PTs given are based on MedDRA version 25.0 and might be subject to change in future MedDRA version.

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

| Preferred term (MedDRA version 25.0) | | | | |
|--|--|--|--|--|
| 5'nucleotidase increased | | | | |
| AST to platelet ratio index increased | | | | |
| AST/ALT ratio abnormal | | | | |
| Accessory liver lobe | | | | |
| Acquired antithrombin III deficiency | | | | |
| Acquired factor IX deficiency | | | | |
| Acquired factor V deficiency | | | | |
| Acquired factor VIII deficiency | | | | |
| Acquired factor XI deficiency | | | | |
| Acquired hepatocerebral degeneration | | | | |
| Acquired protein S deficiency | | | | |
| Acute graft versus host disease in liver | | | | |
| Acute hepatic failure | | | | |
| Acute hepatitis B | | | | |
| Acute hepatitis C | | | | |
| Acute on chronic liver failure | | | | |
| Acute yellow liver atrophy | | | | |
| Adenoviral hepatitis | | | | |
| Alagille syndrome | | | | |
| Alanine aminotransferase abnormal | | | | |
| Alanine aminotransferase increased | | | | |
| Alcoholic encephalopathy | | | | |

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Alcoholic liver disease Allergic hepatitis Alloimmune hepatitis Ammonia abnormal Ammonia increased Anorectal varices Anorectal varices haemorrhage Anti factor X activity abnormal Anti factor X activity decreased Anti factor X activity increased Anti-liver cytosol antibody type 1 positive Antithrombin III decreased Ascites Aspartate aminotransferase abnormal Aspartate aminotransferase increased Asterixis Asymptomatic viral hepatitis Autoimmune hepatitis **Bacterascites** Benign hepatic neoplasm Benign hepatobiliary neoplasm Benign recurrent intrahepatic cholestasis Bile output abnormal Bile output decreased **Biliary** ascites **Biliary cirrhosis** Biliary fibrosis Bilirubin conjugated abnormal Bilirubin conjugated increased Bilirubin excretion disorder Bilirubin urine present **Biopsy liver abnormal** Blood alkaline phosphatase abnormal Blood alkaline phosphatase increased Blood bilirubin abnormal Blood bilirubin increased Blood bilirubin unconjugated increased Blood cholinesterase abnormal Blood cholinesterase decreased Blood fibrinogen abnormal Blood fibrinogen decreased Blood thrombin abnormal Blood thrombin decreased

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Blood thromboplastin abnormal Blood thromboplastin decreased Bromosulphthalein test abnormal Cardiohepatic syndrome Cerebrohepatorenal syndrome Child-Pugh-Turcotte score abnormal Child-Pugh-Turcotte score increased Cholaemia Cholangiosarcoma Cholestasis Cholestatic liver injury Cholestatic pruritus Chronic graft versus host disease in liver Chronic hepatic failure Chronic hepatitis Chronic hepatitis B Chronic hepatitis C Cirrhosis alcoholic Coagulation factor IX level abnormal Coagulation factor IX level decreased Coagulation factor V level abnormal Coagulation factor V level decreased Coagulation factor VII level abnormal Coagulation factor VII level decreased Coagulation factor X level abnormal Coagulation factor X level decreased Coagulation factor decreased Coma hepatic Complications of transplanted liver Computerised tomogram liver abnormal Congenital absence of bile ducts Congenital hepatic fibrosis Congenital hepatitis B infection Congenital hepatitis C infection Congenital hepatobiliary anomaly Congenital hepatomegaly Congenital viral hepatitis Congestive hepatopathy Cryptogenic cirrhosis Cystic fibrosis hepatic disease Cytokeratin 18 increased Cytomegalovirus hepatitis Deficiency of bile secretion

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Diabetic hepatopathy Dilatation intrahepatic duct congenital Drug-induced liver injury **Duodenal varices** Fatty liver alcoholic Flood syndrome Focal nodular hyperplasia Foetor hepaticus Galactose elimination capacity test abnormal Galactose elimination capacity test decreased Gallbladder varices Gamma-glutamyltransferase abnormal Gamma-glutamyltransferase increased Gastric variceal injection Gastric variceal ligation Gastric varices Gastric varices haemorrhage Gastrooesophageal variceal haemorrhage prophylaxis Gianotti-Crosti syndrome Glutamate dehydrogenase increased Glycocholic acid increased Glycogen storage disease type I Glycogen storage disease type III Glycogen storage disease type IV Glycogen storage disease type VI Graft versus host disease in liver Granulomatous liver disease Guanase increased HBV-DNA polymerase increased Haemangioma of liver Haemorrhagic ascites Haemorrhagic hepatic cyst Hepaplastin abnormal Hepaplastin decreased Hepatectomy Hepatic adenoma Hepatic amoebiasis Hepatic angiosarcoma Hepatic artery flow decreased Hepatic atrophy Hepatic calcification Hepatic cancer Hepatic cancer metastatic

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Hepatic cancer recurrent Hepatic cancer stage I Hepatic cancer stage II Hepatic cancer stage III Hepatic cancer stage IV Hepatic candidiasis Hepatic cirrhosis Hepatic cyst Hepatic cyst infection Hepatic cyst ruptured Hepatic cytolysis Hepatic echinococciasis Hepatic encephalopathy Hepatic encephalopathy prophylaxis Hepatic enzyme abnormal Hepatic enzyme decreased Hepatic enzyme increased Hepatic failure Hepatic fibrosis Hepatic fibrosis marker abnormal Hepatic fibrosis marker increased Hepatic function abnormal Hepatic gas gangrene Hepatic haemangioma rupture Hepatic hamartoma Hepatic hydrothorax Hepatic hypertrophy Hepatic hypoperfusion Hepatic infection Hepatic infection bacterial Hepatic infection fungal Hepatic infection helminthic Hepatic infiltration eosinophilic Hepatic lesion Hepatic lipoma Hepatic lymphocytic infiltration Hepatic mass Hepatic necrosis Hepatic neoplasm Hepatic neuroendocrine tumour Hepatic pain Hepatic perfusion disorder Hepatic sarcoma

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Hepatic sequestration Hepatic steato-fibrosis Hepatic steatosis Hepatic vascular resistance increased Hepatic venous pressure gradient abnormal Hepatic venous pressure gradient increased Hepatitis Hepatitis A Hepatitis A antibody abnormal Hepatitis A antibody positive Hepatitis A antigen positive Hepatitis A immunity confirmed Hepatitis A virus test positive Hepatitis B Hepatitis B DNA assay positive Hepatitis B DNA increased Hepatitis B antibody abnormal Hepatitis B antibody positive Hepatitis B antigen positive Hepatitis B core antibody positive Hepatitis B core antigen positive Hepatitis B e antibody positive Hepatitis B e antigen positive Hepatitis B immunity confirmed Hepatitis B reactivation Hepatitis B surface antibody positive Hepatitis B surface antigen positive Hepatitis B virus test positive Hepatitis C Hepatitis C RNA increased Hepatitis C RNA positive Hepatitis C antibody positive Hepatitis C core antibody positive Hepatitis C virus test positive Hepatitis D Hepatitis D RNA positive Hepatitis D antibody positive Hepatitis D antigen positive Hepatitis D virus test positive Hepatitis E Hepatitis E RNA positive Hepatitis E antibody abnormal Hepatitis E antibody positive

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Hepatitis E antigen positive Hepatitis E immunity confirmed Hepatitis E virus test positive Hepatitis F Hepatitis G Hepatitis H Hepatitis acute Hepatitis alcoholic Hepatitis cholestatic Hepatitis chronic active Hepatitis chronic persistent Hepatitis fulminant Hepatitis infectious mononucleosis Hepatitis mumps Hepatitis neonatal Hepatitis non-A non-B Hepatitis non-A non-B non-C Hepatitis post transfusion Hepatitis syphilitic Hepatitis toxic Hepatitis toxoplasmal Hepatitis viral Hepatitis viral test positive Hepato-lenticular degeneration Hepatobiliary cancer Hepatobiliary cancer in situ Hepatobiliary cyst Hepatobiliary disease Hepatobiliary infection Hepatobiliary neoplasm Hepatobiliary scan abnormal Hepatoblastoma Hepatoblastoma recurrent Hepatocellular carcinoma Hepatocellular damage neonatal Hepatocellular foamy cell syndrome Hepatocellular injury Hepatomegaly Hepatopulmonary syndrome Hepatorenal failure Hepatorenal syndrome Hepatosplenic abscess Hepatosplenic candidiasis

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Hepatosplenomegaly Hepatosplenomegaly neonatal Hepatotoxicity Hereditary haemochromatosis Herpes simplex hepatitis Hyperammonaemia Hyperbilirubinaemia Hyperbilirubinaemia neonatal Hypercholia Hyperfibrinolysis Hypertransaminasaemia Hypoalbuminaemia Hypocoagulable state Hypofibrinogenaemia Hypoprothrombinaemia Hypothrombinaemia Hypothromboplastinaemia Icterus index increased Immune-mediated cholangitis Immune-mediated hepatic disorder Immune-mediated hepatitis Increased liver stiffness International normalised ratio abnormal International normalised ratio increased Intestinal varices Intestinal varices haemorrhage Intrahepatic portal hepatic venous fistula Ischaemic hepatitis Jaundice Jaundice cholestatic Jaundice hepatocellular Jaundice neonatal Kayser-Fleischer ring Kernicterus Leucine aminopeptidase increased Liver abscess Liver and pancreas transplant rejection Liver carcinoma ruptured Liver dialysis Liver disorder Liver function test abnormal Liver function test decreased Liver function test increased

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Liver induration Liver injury Liver iron concentration abnormal Liver iron concentration increased Liver opacity Liver operation Liver palpable Liver sarcoidosis Liver scan abnormal Liver tenderness Liver transplant Liver transplant failure Liver transplant rejection Liver-kidney microsomal antibody positive Lupoid hepatic cirrhosis Lupus hepatitis Magnetic resonance imaging hepatobiliary abnormal Magnetic resonance proton density fat fraction measurement Mitochondrial aspartate aminotransferase increased Mixed hepatocellular cholangiocarcinoma Mixed liver injury Model for end stage liver disease score abnormal Model for end stage liver disease score increased Molar ratio of total branched-chain amino acid to tyrosine Multivisceral transplantation Necrolytic acral erythema Neonatal cholestasis Neonatal hepatomegaly Nodular regenerative hyperplasia Non-alcoholic fatty liver Non-alcoholic steatohepatitis Non-cirrhotic portal hypertension Ocular icterus Oedema due to hepatic disease Oesophageal varices haemorrhage Omental oedema Osteopontin increased Parenteral nutrition associated liver disease Perihepatic discomfort Perinatal HBV infection Peripancreatic varices Periportal oedema Peritoneal fluid protein abnormal

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Peritoneal fluid protein decreased Peritoneal fluid protein increased Peritoneovenous shunt Pneumobilia Polycystic liver disease Porphyria acute Porphyria non-acute Portal fibrosis Portal hypertension Portal hypertensive colopathy Portal hypertensive enteropathy Portal hypertensive gastropathy Portal pyaemia Portal shunt Portal shunt procedure Portal tract inflammation Portal vein cavernous transformation Portal vein dilatation Portal vein flow decreased Portal vein pressure increased Portal venous system anomaly Portopulmonary hypertension Primary biliary cholangitis Progressive familial intrahepatic cholestasis Protein C decreased Protein S abnormal Protein S decreased Prothrombin level abnormal Prothrombin level decreased Prothrombin time abnormal Prothrombin time prolonged Prothrombin time ratio abnormal Prothrombin time ratio increased Radiation hepatitis Regenerative siderotic hepatic nodule Renal and liver transplant Retinol binding protein decreased Retrograde portal vein flow Reye's syndrome Reynold's syndrome Schistosomiasis liver Small-for-size liver syndrome Spider naevus

Table 9–11: PTs for selection of medical history of "Hepatic Impairment"

Preferred term (MedDRA version 25.0)

Splenic artery embolisation Splenic varices Splenic varices haemorrhage Splenorenal shunt Splenorenal shunt procedure Spontaneous bacterial peritonitis Spontaneous intrahepatic portosystemic venous shunt Steatohepatitis Stomal varices Subacute hepatic failure Sugiura procedure Sustained viral response Thrombin time abnormal Thrombin time prolonged Total bile acids increased Transaminases abnormal Transaminases increased Ultrasound liver abnormal Urine bilirubin increased Urobilinogen urine decreased Urobilinogen urine increased Varices oesophageal Varicose veins of abdominal wall Viral hepatitis carrier Weil's disease White nipple sign Withdrawal hepatitis X-ray hepatobiliary abnormal Yellow skin Zieve syndrome

9.5 Strategies for occurrence of intercurrent events

Analysis strategies for intercurrent events occurring through week 48 are described in Table 9–12 below for BCVA and other continuous efficacy endpoint variables. Intercurrent events for the analysis of BCVA and other continuous efficacy endpoint variables (or binary endpoints which are based on continuous variables) at week 60 and later will be handled analogously.

Table 9–12: Strategies for occurrence of intercurrent events for analysis at week 48 for BCVA and other continuous endpoint variables

| | | Primary Estimand | | | |
|---|--------------------------------|---------------------------|--|---|--|
| Potential post-randomization event | Intercurrent event (yes/no) | Strategy Primary Analysis | | Sensitivity Analysis | |
| Premature discontinuation of study intervention for any reason before week 48 (and discontinuation of study) (a) | Yes | Hypothetical | Non-observed data beyond discontinuation of study intervention will be covered implicitly in the MMRM | Non-observed data beyond discontinuation of study intervention will be imputed by LOCF | |
| Premature discontinuation of study intervention for any reason before week 48 (but continuation of study) (b) | Yes | Hypothetical | Observed data beyond last active injection (that was administered before the premature discontinuation of study intervention) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missing data will be covered implicitly in the MMRM | Observed data beyond last active injection (that was administered before the premature discontinuation of study intervention) + current treatment interval +5 days will be <u>excluded</u> from analysis and gresulting missing data will be imputed by LOCF | |

Table 9–12: Strategies for occurrence of intercurrent events for analysis at week 48 for BCVA and other continuous endpoint variables

| | | Р | rimary Estimand | | | |
|--|---|------------------|--|--|--|--|
| Potential post-randomization event | Intercurrent event (yes/no) | Strategy | Primary Analysis | Sensitivity Analysis | | |
| Missed (skipped) study | | | | | | |
| intervention | | | | | | |
| for any reason before week 48: | | | | | | |
| Missed study intervention was planned to be a sham injection | Yes, but no impact since no active treatment was missed | Not applicable | Observed data beyond missed sham injection will be <u>included</u> in the analysis and the MMRM | Observed data beyond missed sham injection will be <u>included</u> in the analysis | | |
| Missed study intervention was planned to be an active injection, but at the next scheduled visit a make-up injection was given to compensate for the missed active | n Yes | Treatment policy | All observed data will be <u>included</u> in the analysis and the MMRM | All observed data will be <u>included</u> in the analysis | | |
| Missed study intervention was planned to be an active injection, but at the next scheduled visit make-up injection was not given to compensate for the missed active injection (d) | n Yes | Hypothetical | Observed data beyond last active injection (that was administered before the first missed active injection) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missin data will be covered implicitly in the MMRM | Observed data beyond last active injection (that was administered before the the first missed active injection) + current treatment interval +5 days will be <u>excluded</u> from ganalysis and resulting missing data will be imputed by LOCF | | |

Table 9–12: Strategies for occurrence of intercurrent events for analysis at week 48 for BCVA and other continuous endpoint variables

| | | Р | rimary Estimand | |
|---|--------------------------------|------------------|---|--|
| Potential post-randomization event | Intercurrent event (yes/no) | Strategy | Primary Analysis | Sensitivity Analysis |
| Wrong study intervention before week 48: | | | | |
| Active injection instead of a sham injection (note, this does not refer to potential make-up injections which should be given at the next scheduled visit in case of any missed active injection) | Yes | Treatment policy | Observed data beyond the wrong active injection will be <u>included</u> in the analysis and the MMRM | Observed data beyond the wrong active injection I will be <u>included</u> in the analysis |
| Sham injection instead of an active injection | Yes | Hypothetical | Observed data beyond last active injection (that was administered before the wrong sham injection) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missing data will be covered implicitly in the MMRM | Observed data beyond last active injection (that was administered before the wrong sham injection) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missing data will be imputed by LOCF |
| Wrong dose (for participants randomized to the 2q8 group): High dose 8 mg injection instead of 2 mg injection | Yes | Treatment policy | Observed data beyond the wrong high dose 8 mg injection will be <u>included</u> in the analysis and the MMRM | Observed data beyond the wrong high dose 8 mg injection I will be <u>included</u> in the analysis |
| Wrong dose (for participants randomized to the HDq12 or HDq16 group): 2 mg injection instead of high dose 8 mg injection | Yes | Treatment policy | Observed data beyond the wrong high dose 2 mg injection will be <u>included</u> in the analysis and the MMRM | Observed data beyond the wrong high dose 2 mg injection will be <u>included</u> in the analysis |

Table 9–12: Strategies for occurrence of intercurrent events for analysis at week 48 for BCVA and other continuous endpoint variables

| Potential post-randomization event | Intercurrent event (yes/no) | Strategy | Primary Analysis | Sensitivity Analysis |
|---|---|----------------|--|---|
| Use of a prohibited medication (as defined in section 4.5.6) before week 48 | Yes | Hypothetical | Observed data beyond first administration of the prohibited medication in study eye will be <u>excluded</u> from analysis and resulting missing data will be covered implicitly in the MMRM | Observed data beyond first administration of the prohibited medication in study eye will be <u>excluded</u> from analysis and resulting missing data will be imputed by LOCF |
| Shortening of dosing interval according to DRM criteria before week 48 | No, since DRM is considered part of the randomized treatment regimen | Not applicable | Observed data beyond shortening of dosing interval will be <u>included</u> in the analysis and the MMRM | Observed data beyond shortening of dosing interval will be <u>included</u> in the analysis |

Any missing assessment of BCVA at a certain visit is not considered an intercurrent event per se but is considered missing at random and covered implicitly in the MMRM.

It is assumed that a COVID-19 illness does not affect the treatment effect but at most the treatment schedule. Therefore, any deviations from the treatment schedule due to a COVID-19 illness (i.e. missed study intervention due to the COVID-19 illness) will be handled as described in the table above. Any other study disruption related to the COVID-19 pandemic (discontinuations or missed study intervention, e.g. due to site closed, local travel restrictions, participant not willing to go to the site) will also be handled as described in the table above.

(a) This ICE covers the situation when the treatment intervention and the study was discontinued early (prior to Week 48) at the same time

(b) This ICE covers the situation when the treatment intervention was discontinued early (prior to Week 48) and the participant either remained in the study or discontinued from the study, but at a later time.

(c) This ICE covers situation when an injection during the loading dose was missed but an injection was given at the next visit (i.e. Baseline injection was missed but Week 4 injection was given, Week 4 injection was missed but Week 8 injection was given, Week 8 injection was missed but makeup injection was given at Week 12).

(d) This ICE covers situation when an injection during the loading dose was missed and no injection was given at the next visit (i.e. Baseline injection was missed and Week 4 injection was missed, Week 4 injection was missed and Week 8 injection was missed and no make-up injection was given at Week 12).

Analysis strategies for intercurrent events occurring post-baseline are described in Table 9–13 below for the analysis of participants with no intraretinal fluid (IRF) and no subretinal fluid (SRF) in central subfield. Other binary efficacy endpoint summaries will handled analogously.

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Table 9–13: Strategies for occurrence of intercurrent events for analysis of proportions of participants with no IRF and no SRF in central subfield and other binary endpoint variables

| Potential post-randomization event* | Intercurrent event (yes/no) | Primary Estimand Strategy | Primary Estimand Analysis |
|--|--|------------------------------|--|
| Premature discontinuation of study intervention for any reason (and discontinuation of study) (a) | Yes | Hypothetical | Non-observed data beyond discontinuation of study intervention will be imputed using LOCF |
| Premature discontinuation of study intervention for any reason (but continuation of study) (b) | Yes | Hypothetical | Observed data beyond last active injection (that was administered before the premature discontinuation of study intervention) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missing data will be imputed using LOCF |
| Missed (skipped) study intervention for any reason: | | | |
| Missed study intervention was planned to be a <i>sham</i> injection | Yes, but no impact since no active treatment was missed | Not applicable | Observed data beyond missed sham injection will be <u>included</u> in the analysis |
| Missed study intervention was planned to be an <i>active</i> injection, but at the next scheduled visit a make-up injection was given to compensate for the missed active injection (c) | Yes | Treatment policy | All observed data will be <u>included</u> in the analysis |
| Missed study intervention was planned to be an <i>active</i> injection, but at the next scheduled visit make-up injection was <i>not</i> given to compensate for the missed active injection (d) | Yes | Hypothetical | Observed data beyond last active injection (that was administered before the the first missed active injection) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missing data will be imputed by LOCF |

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Table 9–13: Strategies for occurrence of intercurrent events for analysis of proportions of participants with no IRF and no SRF in central subfield and other binary endpoint variables

| Potential post-randomization event* | Intercurrent event (yes/no) | Primary Estimand Strategy | Primary Estimand Analysis |
|--|---|------------------------------|---|
| Wrong study intervention | | | |
| Active injection instead of a sham injection (note, this does not refer to potential make- up injections which should be given at the next scheduled visit in case of any missed active injection) | Yes | Treatment policy | Observed data beyond the wrong active injection will be <u>included</u> in the analysis |
| Sham injection instead of an active injection | Yes | Hypothetical | Observed data beyond last active injection (that was administered before the wrong sham injection) + current treatment interval +5 days will be <u>excluded</u> from analysis and resulting missing data will be imputed by LOCF |
| Wrong dose (for participants randomized to the 2q8 group): High dose 8 mg injection instead of 2 mg injection | Yes | Treatment policy | Observed data beyond the wrong high dose 8 mg injection will be <u>included</u> in the analysis |
| Wrong dose (for participants randomized to the HDq12 or HDq16 group): 2 mg injection instead of high dose 8 mg injection | Yes | Treatment policy | Observed data beyond the wrong high dose 2 mg injection will be <u>included</u> in the analysis |
| Use of a prohibited medication (as defined in section 4.5.6) | Yes | Hypothetical | Observed data beyond first administration of the prohibited medication in study eye will be <u>excluded</u> from analysis and resulting missing data will be imputed by LOCF |
| Shortening of dosing interval according to DRM criteria | No, since DRM is considered part of the randomized treatment regimen | Not applicable | Observed data beyond shortening of dosing interval will be included in the analysis |

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Table 9–13: Strategies for occurrence of intercurrent events for analysis of proportions of participants with no IRF and no SRF in central subfield and other binary endpoint variables

| Potential post-randomization event* | Intercurrent event | Primary Estimand | Primary Estimand Analysis |
|-------------------------------------|--------------------|------------------|---------------------------|
| | (yes/no) | Strategy | |
| | | | |

* Not all intercurrent events are applicable for all endpoints and visits.

Any missing assessment of SD-OCT data at a certain visit is not considered an intercurrent event per se but is considered missing at random.

It is assumed that a COVID-19 illness does not affect the treatment effect but at most the treatment schedule. Therefore, any deviations from the treatment schedule due to a COVID-19 illness (i.e. missed study intervention due to the COVID-19 illness) will be handled as described in the table above. Any other study disruption related to the COVID-19 pandemic (discontinuations or missed study intervention, e.g. due to site closed, local travel restrictions, participant not willing to go to the site) will also be handled as described in the table above.

(a) This ICE covers the situation when the treatment intervention and the study was discontinued early at the same time

(b) This ICE covers the situation when the treatment intervention was discontinued early and the participant either remained in the study or discontinued from the study, but at a later time.

- (c) This ICE covers situation when an injection during the loading dose was missed but an injection was given at the next visit (i.e. Baseline injection was missed but Week 4 injection was given, Week 4 injection was missed but Week 8 injection was given, Week 4 injection was missed but make-up injection was given at Week 12).
- (d) This ICE covers situation when an injection during the loading dose was missed and no injection was given at the next visit (i.e. Baseline injection was missed and Week 4 injection was missed, Week 4 injection was missed and Week 8 injection was missed and no make-up injection was given at Week 12).

9.6 **Participating Regions and Countries**

The following regions and countries are participating in this study and are shown in Table 9–14.

| Region | Country |
|---------------|--------------------|
| APAC | AUSTRALIA |
| | CHINA |
| | JAPAN |
| | KOREA, REPUBLIC OF |
| | SINGAPORE |
| | TAIWAN |
| Europe | AUSTRIA |
| • | BULGARIA |
| | CZECH REPUBLIC |
| | ESTONIA |
| | FRANCE |
| | GEORGIA |
| | HUNGARY |
| | ISRAEL |
| | ITALY |
| | LATVIA |
| | LITHUANIA |
| | PORTUGAL |
| | RUSSIAN FEDERATION |
| | SERBIA |
| | SLOVAKIA |
| | SPAIN |
| | SWITZERLAND |
| | UKRAINE |
| | UNITED KINGDOM |
| Latin America | ARGENTINA |
| North America | CANADA |
| | UNITED STATES |

Table 9–14: Participating Regions and Countries

9.7 Additional Pre-Specified Exploratory Efficacy Variables and Analyses

This section pre-specifies the statistical approaches for defining and analyzing additional prespecified exploratory efficacy variables at week 48, for submission to the US FDA (based on the G-SAP that constitutes the primary analysis for the study).

9.7.1 Analysis Populations

The following populations of analysis will be used for the additional pre-specified exploratory efficacy analyses.

9.7.1.1 Full Analysis Set (FAS)

Refer to Section 5.1.

9.7.1.2 Modified Full Analysis Set (mFAS)

The modified full analysis set 1 (mFAS1) includes all randomized patients who completed the initial treatment phase and maintained their dosing interval (i.e.,

- maintained post 3-dose loading on a q12 interval for HDq12 group and never having their dosing interval shortened to less than q12w;
- maintained post 3-dose loading on a q16 interval for the HDq16 group and never having their dosing interval shortened to less than q16w; and
- all participants in the 2q8 group receive fixed q8 dosing).

The modified full analysis set 2 (mFAS2) includes all randomized participants who completed the initial treatment phase and maintained their dosing interval (i.e.,

- maintained post 3-dose loading for All HD group (pooled HDq12 and HDq16 groups) on either q12 or q16 interval and never having their dosing interval shortened to less than q12w; and
- all participants in the 2q8 group receive fixed q8 dosing).

Both analysis sets, mFAS1 and mFAS2, are based on the treatment assigned to the participant at baseline (as randomized).

9.7.2 Additional Pre-Specified Exploratory Efficacy Variable(s)

Additional pre-specified exploratory efficacy analyses will be conducted for the following variables:

- Change from baseline in BCVA (as measured by ETDRS letter score) at week 48 (previously defined primary efficacy variable; see Section 6.2.2)
- Change from 8-weeks post initial treatment phase in BCVA (as measured by ETDRS letter score) at week 48 (additional pre-specified exploratory efficacy variable)

Note that per the dosing schedule shown in Figure 1–2 of the protocol, the initial treatment phase is through week 8 (3 doses) for all treatment groups (i.e. HDq12, HDq16, 2q8). Hence 8-weeks post initial treatment phase is Week 16 for all treatment groups.

9.7.3 Additional Pre-Specified Exploratory Efficacy Analyses

The additional pre-specified exploratory efficacy analyses will be an alternative tipping point analysis on the efficacy variables in Section 9.7.2.

For analysis set (FAS and mFAS) and each variable, the following algorithm will be applied:

- Within each treatment group, for participants with data at both week 48 and at the designated baseline for the analysis, sort the participant level data for change in BCVA at week 48 from smallest to largest, e.g., ranging from -60, -59, ..., -1, 0, +1, ...to +50 ETDRS letter score. Participants without data at both week 48 and designated baseline are removed from numerator and denominator calculations described below.
- 2. For the analysis (sub)set, compare mean change in BCVA at week 48 between HDq12 with the mean change in BCVA at week 48 for the 2q8 control group.
- 3. If the mean change in BCVA for HDq12 group \geq [mean change in BCVA for 2q8 group + Δ] where Δ =0 or -2, then
 - a. report the number, percentage of participants in the (sub)set relative to the original analysis set, and 2-sided 95% CI (continuity-corrected Wilson (score) method) for HDq12 group,
 - b. report the tipping point value in the HDq12 group analysis subset that is the lowest letter change in BCVA, and
 - c. stop.
- 4. Otherwise, exclude participants with the next worst score in HDq12 group to obtain a new subset. Retain original analysis set in 2q8 control group. Repeat steps 2 and 3, until stopping condition is reached or all participant level data is used in the HDq12 group.

Repeat the above algorithm for HDq16 group and the All HD group.

The above analyses specified for completers may also be repeated using the estimand framework (see Section 6.2.2).

The reported results from these additional analyses will be as follows (see Table 9–15).

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| | Population | Variable | Analysis Results | Δ | Tipping Point in HD group |
|----|------------|---|--|----|---------------------------------|
| 1a | FASª | Change from baseline in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | x ₁ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | y ₁ letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | z ₁ letters |
| 1b | FASª | Change from baseline in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | x ₂ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | y ₂ letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | z ₂ letters |

Table 9–15: Additional Pre-Specified Exploratory Efficacy Analyses – Alternative Tipping Point Analyses

| | Population | Variable | Analysis Results | Δ | Tipping Point in HD group |
|----|------------|--|--|----|---------------------------------|
| 2a | FASª | Change from 8-weeks post initial treatment in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | x ₃ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | y ₃ letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | z ₃ letters |
| 2b | FASª | Change from 8-weeks post initial treatment in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | x ₄ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | y4 letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | z4 letters |

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| | Population | Variable | Analysis Results | Δ | Tipping Point in HD group |
|----|--|---|--|----|---------------------------------|
| 3a | mFAS1 ^b ; mFAS2 ^c | Change from baseline in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | x ₅ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | y5 letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | z ₅ letters |
| 3b | mFAS1 ^b ; mFAS2 ^c | Change from baseline in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | x ₆ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | y ₆ letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | z ₆ letters |

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| | Population | Variable | Analysis Results | Δ | Tipping Point in HD group |
|----|--------------------------------|--|--|----|---------------------------------|
| 4a | mFAS1 ^b ; mFAS2° | Change from 8-weeks post initial treatment in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | x ₇ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | y7 letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | 0 | z ₇ letters |
| 4b | mFAS1 ^b ; mFAS2° | Change from 8-weeks post initial treatment in BCVA at week 48 | Number and Percentage of participants in the HDq12 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | x ₈ letters |
| | | | Number and Percentage of participants in the HDq16 analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | y ₈ letters |
| | | | Number and Percentage of participants in the All HD analysis subset for whom mean change in BCVA ≥ [mean change in BCVA for 2q8 group – Δ] | -2 | z ₈ letters |

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^a FAS = Full Analysis Set, which includes all randomized participants who received at least 1 dose of study intervention.

^b mFAS1 = Modified Full Analysis Set 1, which includes all randomized participants who completed the initial treatment phase and maintained dosing interval (HDq12, HDq16, and 2q8 groups).

^c mFAS2 = Modified Full Analysis Set 2, which includes all randomized participants who completed the initial treatment phase and maintained dosing interval (All HD group and 2q8 group).

| Signature Page for CCI | | | | | |
|------------------------------|---|--|--|--|--|
| Reason for signing: Approved | Name: PPD Role: PPD Date of signature: PPD PPD | | | | |

Signature Page for CCI