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CLINICAL STUDY PROTOCOL
PROTOCOL NUMBER: 43QM2106

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TITLE PAGE

A Phase 3b, Randomized, Double-Blind, Placebo-Controlled Study to Assess Aesthetic Improvement and Onset of QM1114-DP Treatment Effect in Subjects with Moderate to Severe Glabellar Lines

Clinical Trial Number (CTN): 43QM2106

IND Number: 110196

SPONSOR:

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CONTRACT RESEARCH ORGANIZATION (CRO):

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SAFETY:

For safety questions, please contact the Safety e-mail or Medical Monitor using the details provided in Section 11.9. Serious adverse events (SAEs) and pregnancy report forms should be submitted as described in Sections 7.2.4.2.2 and 7.2.4.2.3.

MEDICAL MONITOR:

For any medical questions related to the clinical study protocol, please contact the Medical Monitor using the details provided in Section 11.9.

This clinical study shall be performed in compliance with the clinical trial agreement (CTA), the clinical study protocol (CSP), International Council for Harmonisation Good Clinical Practice (ICH GCP),¹ and applicable regional and national regulations. The study shall be conducted in accordance with the ethical principles that have their origin in the Declaration of Helsinki (<https://www.wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-for-medical-research-involving-human-subjects/>).

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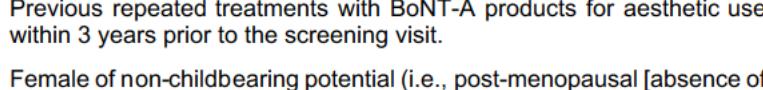
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SYNOPSIS		
<p>Clinical Study Title: A Phase 3b, Randomized, Double-Blind, Placebo-Controlled Study to Assess Aesthetic Improvement and Onset of QM1114-DP Treatment Effect in Subjects with Moderate to Severe Glabellar Lines</p>		
<p>Short Title: The RELAX study (RELabotulinumtoxin Assessment of eXtended duration)</p>		
Clinical Study Population:	Male and female subjects, 18 years of age and older with moderate to severe glabellar lines (GL) at maximum frown.	
Clinical Study Design:	<p>This is a multi-center, randomized, double-blind, placebo-controlled study to assessed aesthetic improvement and onset of QM1114-DP treatment effect in subjects with moderate to severe GL.</p> <p>Following the informed consent and screening process, eligible subjects will be randomly assigned in a 3:1 ratio to receive a single treatment at baseline (Day 0) of 50 units (U) of QM1114-DP (90 subjects) or placebo (30 subjects) in the glabellar region.</p> <p>Following treatment at baseline, subjects will be monitored for safety and efficacy according to the Schedule of Assessments for 12 months.</p>	
Target Indication:	Glabellar lines	
Total Number of Subjects (Planned):	Approximately 120 subjects.	
Number of Clinical Study Centers (Planned):	Up to 5 study centers.	
Region(s) / Country(ies) Involved (Planned):	United States (US)	
Clinical Study Duration:	<p>The planned duration of recruitment (i.e. from First Subject First Visit [FSFV] to Last Subject First Visit [LSFV]) is approximately 2 months.</p> <p>The planned clinical study duration (i.e. from FSFV to Last Subject Last Visit [LSLV]) is approximately 14.5 months.</p>	
Duration of Subject Participation:	Clinical study participation for each subject is up to 12.5 months.	
Key Inclusion Criteria:	<p>1. Male or female, 18 years of age or older.</p> <p>C  C  I </p> <p>4. Previous repeated treatments with BoNT-A products for aesthetic use within 3 years prior to the screening visit.</p> <p>5. Female of non-childbearing potential (i.e., post-menopausal [absence of menstrual bleeding for 1 year prior to screening, without any other medical reason], or has undergone hysterectomy or bilateral oophorectomy).</p> <p>OR</p> <p>6. Female of childbearing potential with a negative urine pregnancy test at screening and baseline, and agrees to use a highly effective and approved contraceptive method for the duration of the study. A highly effective method of contraception is defined as:</p>	

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	<ul style="list-style-type: none"> • Bilateral tubal ligation; • Combined (estrogen and progesterone containing) oral, intravaginal or transdermal contraceptives that inhibit ovulation as the primary mode of action, on a stable dose for at least 28 days prior to screening visit; • Intrauterine device (IUD) inserted at least 28 days prior to screening visit; • Intrauterine hormone-releasing system; • Partner vasectomized for at least three months prior to screening visit; • Progestogen-only oral, injectable or implantable contraceptives that inhibit ovulation as the primary mode of action, on a stable dose for at least 28 days prior to screening visit; or • Strict abstinence (i.e., refraining from heterosexual intercourse for the duration of the subject's participation in the study). <p>7. Time and ability to complete the study and comply with instructions.</p> <p>8. Understands the study requirements and signed the informed consent form (ICF).</p>
Key Exclusion Criteria:	<ol style="list-style-type: none"> 1. Previous use of any botulinum toxin in facial areas within 9 months prior to study treatment. 2. Anticipated need for treatment with botulinum toxin of any serotype for any reason during the study (other than the investigational product). 3. Female who is pregnant, breast feeding, or intends to conceive a child during the study. 4. Known allergy or hypersensitivity to any component of the investigational product (QM1114-DP) or any botulinum toxin serotype. 5. Inability to substantially lessen GL by physically spreading them apart, as determined by the investigator. 6. Clinically significant abnormal focused physical exam finding(s) at screening or baseline visits, in the investigator's opinion. 7. Excessive skin laxity in the treatment area or periorbital area. 8. Previous use of any hyaluronic acid soft tissue augmentation therapy in the glabella area within 6 months before baseline. 9. Previous soft tissue augmentation with any permanent (non-biodegradable such as silicone, polyacrylamide, etc.) or semi-permanent (i.e., calcium hydroxylapatite, poly-L-Lactic acid or polymethyl-methacrylate) product; lifting threads, or autologous fat in the treatment area. 10. History, presence, or predisposition of eyelid or eyebrow ptosis (heavy eyebrows), amblyopia (i.e., lazy eye), or previous surgery around the eye that may lead to the above events, as determined by the investigator. 11. Marked facial asymmetry, excessive dermatochalasis (i.e., excess of skin in eyelids), or marked periocular or eyebrow asymmetry. 12. Presence of scar(s), piercing(s), or tattoo(s) (including microblading of eyebrow or eyeliner) in the treatment area or around the treatment area that, in the investigator's opinion, may interfere with study evaluations. 13. Presence of inflammation, active infection or skin disorder, such as

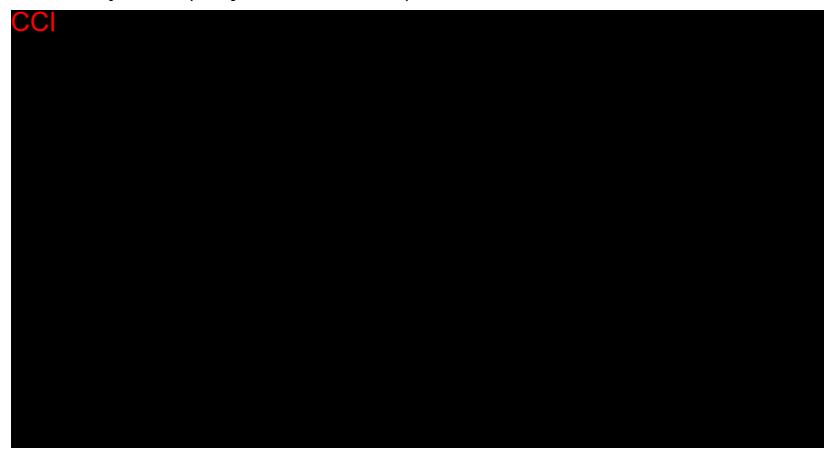
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SYNOPSIS	
	<p>eczema, rosacea, facial psoriasis, herpes zoster etc., near or in the treatment area.</p> <p>14. Presence of cancerous or pre-cancerous lesions in the treatment area.</p> <p>15. History of other facial treatment, surgery or other aesthetic procedures (e.g. ablative skin resurfacing, laser treatment, micro needling, chemical peel) in the previous 12 months that, in the investigator's opinion, could interfere with study injections and/or assessments or expose the subject to undue risk by study participation.</p> <p>16. Planned facial surgery, eye surgery (including LASIK procedure) or aesthetic procedures (e.g. ablative skin resurfacing, laser treatment, micro needling, chemical peel, botulinum toxin treatment, or dermal fillers) in the face during the study period.</p> <p>17. History or presence of facial nerve palsy, or any medical condition that may put the subject at increased risk with exposure to botulinum toxin including diagnosed myasthenia gravis, Lambert-Eaton syndrome, amyotrophic lateral sclerosis, or any other condition that might interfere with neuromuscular function.</p> <p>18. Use of medications that affect neuromuscular transmission such as curare-like depolarizing agents, lincosamides, polymyxins, anticholinesterases, and aminoglycoside antibiotics.</p> <p>19. Subject with bleeding disorder or subject currently using anticoagulants.</p> <p>20. Subject has any prior or current psychiatric illness (e.g. Psychosis, depression, anxiety), alcohol or drug abuse, or is taking antidepressant, anxiolytic, or antipsychotic medication that, in the investigator's opinion, could affect the subject's safety and/or participation in the study.</p> <p>21. Other concurrent medical conditions, therapy, or other condition that, in the investigator's opinion, would interfere with the evaluation of the study medication, safety or efficacy, and/or put the subject at risk if he/she participates to the study.</p> <p>22. Participation in an investigational device or drug study within 30 days prior to study treatment or plans to enroll in any other investigational study during participation in this study.</p> <p>23. Study center personnel, close relatives of the study center personnel (e.g. parents, children, siblings, or spouse), employees or close relatives of employees at the sponsor company.</p>
<p>Investigational Product:</p> <p>Strength/Concentration:</p> <p>Dosage (total daily dose):</p> <p>Route:</p> <p>Dose regimen:</p> <p>Location of treated area:</p>	<p>QM1114-DP is a BoNT-A, supplied as a sterile, buffered solution for injection containing the drug substance (QM1114-DS).</p> <p>100 U/ml</p> <p>50 U total (0.5 mL)</p> <p>10 U per injection point (0.1 mL per injection point)</p> <p>Intramuscular injection</p> <p>Single treatment at baseline visit</p> <p>Glabellar region</p>

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SYNOPSIS	
Placebo Product:	The matching placebo for QM1114-DP is supplied as a sterile, buffered solution for injection, containing the excipients for the investigational product but without the drug substance (QM1114-DS).
Strength/Concentration:	N/A
Dosage (total daily dose):	0.5 mL total, 0.1 mL per injection point
Route:	Intramuscular injection
Dose regimen:	Single treatment at baseline visit
Location of treated area:	Glabellar region
Efficacy Assessments:	<ul style="list-style-type: none"> • 7-point Global Aesthetic Improvement Scale (GAIS) (subject assessment) • Diary Card (subject assessment) CC1 
Study Objective:	The objectives of the study are to evaluate the aesthetic improvement and onset of QM1114-DP treatment effect in subjects with moderate to severe glabellar lines.
Primary Efficacy Objective and Endpoint:	<p>1. To demonstrate superiority in aesthetic improvement following a single dose of QM1114-DP compared to placebo as assessed by the subject using the GAIS at maximum frown at Month 1.</p> <p><i>Endpoint:</i> Responder rate based on the 7-point GAIS. A responder is defined as a subject who responds at least "Improved" on the GAIS at maximum frown.</p>
Secondary Efficacy Objectives and Endpoints:	<p>1. To evaluate onset of treatment effect following a single dose of QM1114-DP and placebo as assessed by the subject using the diary card on Days 0 through 7 post-treatment.</p> <p><i>Endpoint:</i> Onset of effect is defined as the first day a subject answers "yes" to the diary question.</p> <p>2. To evaluate aesthetic improvement following a single dose of QM1114-DP and placebo as assessed by the subject using the GAIS at maximum frown at all applicable post-treatment time points.</p> <p><i>Endpoint:</i> Responder rate based on the 7-point GAIS. A responder is defined as a subject who responds at least "Improved" on the GAIS at maximum frown.</p>

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SYNOPSIS

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	<p style="text-align: center;">SYNOPSIS</p> <p style="text-align: center;">CCI</p> <p>CCI [REDACTED]</p>	
Safety Assessment:	<ul style="list-style-type: none"> • Adverse Events (AEs) • Focused Physical Examination (FPE) • Vital Signs • Production of neutralizing antibodies against QM1114-DP 	
Safety Objectives and Endpoints:	<p>To evaluate the safety of a single dose of 50U of QM1114-DP and placebo in the treatment of moderate to severe GL.</p> <p>Endpoints:</p> <ul style="list-style-type: none"> • Incidence and severity of treatment emergent AEs (TEAEs) • FPE findings • Vital signs • Neutralizing antibody production 	
Other Assessments:	<ul style="list-style-type: none"> • Photography • Pregnancy Test 	
Blinding:	<p>This is a double-blind study in which neither the investigator, sub-investigator, study staff, nor the subject will know the subject's study product assignment (i.e., QM1114-DP or placebo). Placebo is identical in appearance to QM1114-DP but contains no active drug substance.</p> <p>Subjects will be randomized at baseline to either treatment with QM1114-DP or placebo. In order to maintain the blind, the study products, QM1114-DP and placebo, will be supplied in identical vials, each with a unique number on the vial label. Both QM1114-DP and placebo will be administered in exactly the same way.</p>	
Principal Statistical Method:	<p><u>Analysis populations:</u></p> <ul style="list-style-type: none"> • The intention-to-treat (ITT) population includes all subjects who are 	

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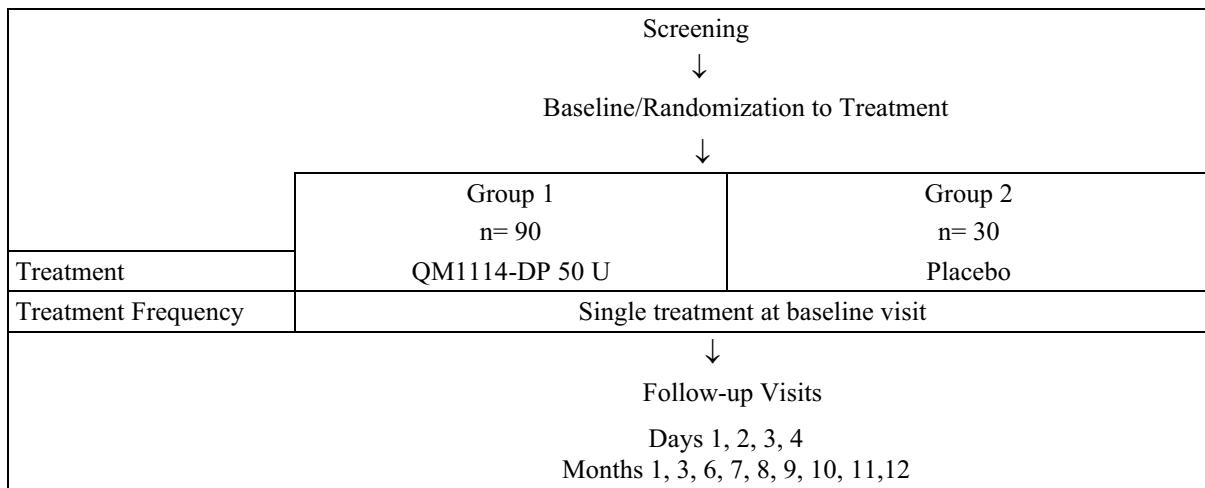
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SYNOPSIS	
	<p>randomized and dispensed the investigational product, and will be analyzed according to the randomization scheme. The ITT population will be the primary population used for efficacy analysis.</p> <ul style="list-style-type: none"> • The per protocol (PP) population is a subset of the ITT subjects who complete the Month 1 visit and have no protocol deviations that are considered to have a substantial impact on the primary efficacy outcome. • The safety population includes all subjects who were administered the study product, and will be analyzed according to as-treated principle. All safety data will be summarized descriptively based on the safety population. <p>CCI</p>
Sample Size:	
Interim Analysis:	Not applicable.

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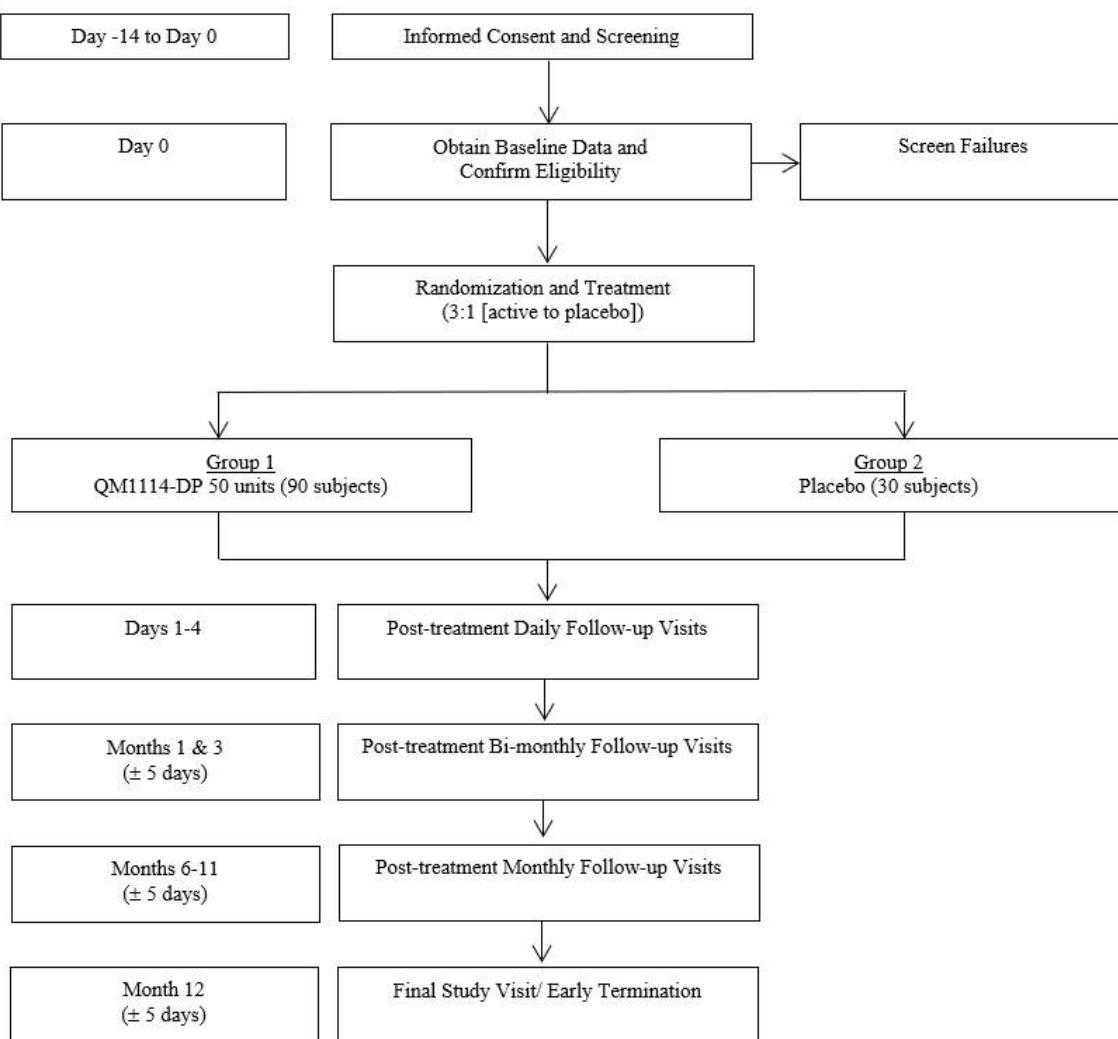
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CLINICAL STUDY SCHEMATIC AND FLOW CHART**Table 1 Clinical Study Schematic***Effective*

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Figure 1 Study Flow Chart**Effective**

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SCHEDULE OF ASSESSMENTS

Table 2 Schedule of Assessments

Visit	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visits 10-14	Visit 15
1 month = 4 weeks All visit windows are calculated from Baseline/Day 0		Day 0 Baseline ¹	Day 1	Day 2	Day 3	Day 4	Month 1	Month 3	Month 6	Months 7-11	Month 12/ EOS/ET ²
Window	(≤ 2 weeks of Visit 2)						(± 5 days)	(± 5 days)	(± 5 days)	(± 5 days)	(± 5 days)
Informed Consent	X										
Demographic Data ³	X										
Medical History	X										
Previous Medication/Procedures ⁴	X										
Urine Pregnancy Test ⁵	X	X ⁷									X
Focused Physical Examination ⁶	X	X ⁷	X	X	X	X	X	X	X	X	X
Vital Signs ⁸	X	X ¹⁰	X	X	X	X	X	X	X	X	X
Inclusion/Exclusion Criteria	X	X ⁷									
Photography		X ⁷	X	X	X	X	X	X	X	X	X
CCI											
Blood sample for serum antibody testing		X ⁷					X		X		
Randomization		X ⁷									
Treatment		X									
Dispense Subject Diary Card		X									
Collect Subject Diary Card							X				
Adverse Events	X	X ¹⁰	X	X	X	X	X	X	X	X	X
Concomitant Medication/Procedures	X	X ¹⁰	X	X	X	X	X	X	X	X	X
SUBJECT ASSESSMENTS											
CCI											
GAIS			X	X	X	X	X	X	X	X	X
INVESTIGATOR ASSESSEMENTS											
CCI											

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Visit	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	Visit 9	Visits 10-14	Visit 15
1 month = 4 weeks All visit windows are calculated from Baseline/Day 0		Day 0 Baseline ¹	Day 1	Day 2	Day 3	Day 4	Month 1	Month 3	Month 6	Months 7-11	Month 12/ EOS/ET ²
Window	(≤ 2 weeks of Visit 2)						(± 5 days)	(± 5 days)	(± 5 days)	(± 5 days)	(± 5 days)
CCI											

Abbreviations:EOS = End of Study; ET = Early Termination; **CCI**GAIS = Global Aesthetic Improvement Scale; **CCI**

1. Screening and baseline visits may be performed on the same day. If performed on the same day, study activities should only be completed once (i.e., UPT, subject and investigator GL severity assessments, focused physical exam, vital signs, and inclusion/exclusion criteria review).
2. If the subject withdraws before the final visit the assessments at Month 12/EOS/ET should be completed, if possible.
3. Includes date of birth, gender, race, ethnicity, height, weight, Fitzpatrick skin type.
4. For previous toxin treatments, capture; brand, area(s) treated, and date(s) on the previous medications/procedures form.
5. Females of childbearing potential.
6. Post-baseline, events suggestive of remote spread of toxin are also considered while doing clinical evaluations based on the subject's symptoms and signs. Directed questioning and examination will then be performed as appropriate.
7. Performed pre-treatment.
8. Vital signs include blood pressure, heart rate and respiratory rate. Vital signs are taken seated, after approximately 10 min rest.
9. Only at select sites.
10. Performed pre- and post-treatment.
11. Subject will make his/her assessment independently of the investigator's assessment.
12. Performed at month 9 only
13. Part 1 to be completed post-treatment at baseline (Visit 2) and Part 2 to be completed at Month 1 (Visit 7).

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LIST OF ABBREVIATIONS AND DEFINITIONS OF TERMS

Abbreviation/Term	Definition
°C	Degrees Celsius
AE	Adverse event
BCOP	Bovine corneal opacity and permeability
BOCF	Baseline observation carried forward
BoNT	Botulinum toxin
BoNT-A	Botulinum toxin type A
CFR	Code of Federal Regulations
CM	Centimeter
CMH	Cochran Mantel Haenszel
CRO	Contract research organization
CSP	Clinical study protocol
CSR	Clinical study report
CTA	Clinical trial agreement
CTN	Clinical trial number
DMP	Data management plan
eCRF	Electronic case report form
EDC	Electronic data capture
e.g.	For Example (Latin: exempli gratia)
EOS	End of study
ET	Early termination
EU	European Union
°F	Degrees Fahrenheit
FDA	Food and Drug Administration
FL	Forehead lines
CCI	
FPE	Focused Physical Examination
FSFV	First Subject First Visit (first subject screened, i.e. who signs the informed consent form)
GAIS	Global Aesthetic Improvement Scale
GCP	Good Clinical Practice
GL	Glabellar lines
CCI	

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Abbreviation/Term	Definition
CCI	[REDACTED]
GLP	Good Laboratory Practices
HIPAA	Health Insurance Portability and Accountability Act of 1996
IB	Investigator's brochure
ICF	Informed consent form
ICH	International Council for Harmonisation
i.e.	That is (Latin: id est)
ILA	Investigator Live Assessment
IM	Intramuscular
IND	Investigational New Drug
Investigator	The principal investigator (PI) or other qualified person, i.e. sub-investigator, designated and supervised by the PI at a study site to perform critical study-related procedures or to make important study-related decisions as specified on the signature and delegation log
Investigator File	Essential documents relating to a clinical study as defined in applicable GCP guidance document and maintained by the investigator.
Investigational Product	A pharmaceutical form of an active ingredient being tested in a clinical study, including a product with a marketing authorization when used or assembled (formulated or packaged) in a way different from the approved form, or when used for an unapproved indication, or when used to gain further information about an approved use.
IRB	Institutional review board
ITT	Intention-to-treat
IUD	Intrauterine device
kDa	Kilodalton
LCL	Lateral canthal lines
LSFV	Last subject first visit (last subject screened, i.e. who signs the informed consent form)
LSLV	Last subject last visit (last subject who completed its last clinical study visit)
MAS	Merz Aesthetics Scale™
MD	Medical Doctor
MedDRA	Medical Dictionary for Regulatory Activities
MI	Multiple imputation

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	Abbreviation/Term	Definition
Mg	Milligram	
mL	Milliliter	
mM	Millimoles	
MTD	Maximum tolerated dose	
N or n	Number	
N/A	Not applicable	
OC	Observed cases	
OTC	Over-the-counter	
PI	Principal investigator; qualified person responsible for conducting the study at a study site	
PP	Per-protocol	
PQC	Product quality complaint	
PT	Preferred term	
QA	Quality assurance	
RA	Regulatory authority	
Reference product	An investigational or marketed product (i.e. active control), or placebo, used as a comparator in a clinical study	
SAE	Serious adverse event	
SAP	Statistical analysis plan	
SIN	Subject identification number	
SOC	System organ class	
SOP	Standard operating procedure	
Sponsor File	Essential documents relating to a clinical study as defined in applicable GCP guidance document and maintained by the sponsor.	
SLA	Subject Live Assessment	
Study Files	The investigator file and the sponsor file	
Study Products	The investigational product and the reference product under study	
Study Site	The location(s) where the study-related activities are actually conducted	
SUSAR	Suspected unexpected serious adverse reactions	
TEAE	Treatment emergent adverse event	
U	Unit	
UPT	Urine pregnancy test	
US	United States	

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<i>Abbreviation/Term</i>	<i>Definition</i>
v/v	Volume/volume
WFI	Water for injection
WHO	World Health Organization

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1. BACKGROUND AND RATIONALE

1.1 Medical Background and Short Rationale for the Clinical Study

Botulinum toxin (BoNT) is a potent neurotoxic protein produced by the Gram-positive anaerobic bacterium, *Clostridium botulinum*. The molecule is produced naturally by these bacteria together with a series of accessory proteins, forming what is termed the “toxin complex”. The neurotoxin is the cause of the severe and potentially fatal disease of botulism. In addition, the protein is used in very small quantities as a treatment modality for aesthetic and medical indications, many of which are characterized by increased muscle activity. Botulinum toxins occur in seven known serotypes (A-G) that are produced by different strains of *Clostridium botulinum*. Clinically important biologic activity is limited primarily to the A and B serotypes, of which the type A serotype (BoNT-A) is used widely throughout the world for the treatment of a range of clinical conditions.

BoNT-A blocks the release of acetylcholine into the neuromuscular junction (synapse) cleft, thereby prohibiting the activation of acetylcholine receptors. Paresis by chemical denervation thus occurs in the target muscle, leading to inhibition of muscular contraction. The active neurotoxin is 150 kilodalton (kDa) molecular weight and QM1114-DP only contains this part of the toxin complex: there are none of the other accessory proteins which are normally associated with the 150 kDa active moiety.

Since the 1970s, BoNT-A has been investigated and subsequently approved for the treatment of multiple indications around the world.^{2,3} Treatment of strabismus by relaxation of overactive extraocular muscles was the first reported medical use.⁴ Clinical studies for aesthetic indications were first performed in the late 1980s.⁵ Since then, many other clinical indications have been investigated,⁶⁻⁸ although the number of approved indications is much smaller. BoNT-A products have been licensed in the US for the aesthetic indications of glabellar lines (GL), lateral canthal lines (LCL) and forehead lines (FL), together with therapeutic indications such as strabismus, blepharospasm, hemifacial spasm, cervical dystonia, focal spasticity, prophylactic treatment of chronic migraine, overactive bladder and hyperhidrosis.

In the early 1990s, patients treated with BoNT-A for blepharospasm were observed to lose their frown lines and,^{5,9} since publishing these observations, the use of BoNT-A in the aesthetic setting has accelerated. Injectable BoNT-A products have been investigated for multiple aesthetic indications in attempts to reverse the appearance of aging, especially in the facial region.² In the treatment of facial lines, the effect of BoNT-A injections usually persists for approximately 4-6 months. Facial muscle activity and severity of the facial wrinkles then returns to baseline. Full functionality of facial muscles is usually restored by approximately 6 months post-treatment.¹⁰

There are four BoNT-A products currently licensed in the US for the treatment of GL in adults (Botox Cosmetic®, Dysport®, Xeomin®, and Jeuveau™). QM1114-DP is a novel botulinum toxin type-A1 which is presented as a liquid formulation. Unlike the main commercially available botulinum toxins in the United States (US), QM1114-DP is manufactured and formulated without any animal or human proteins. As a novel BoNT-A with a differentiated formulation, QM1114-DP is being developed for the treatment of moderate to severe GL in adults over 18 years.

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1.2 Study Product Profile

1.2.1 Drug Profile

QM1114 is a protein dimer of 150 kDa **CCI**

The heavy chain mediates binding and internalization of the toxin protein. Unlike other commercially available BoNTs, QM1114-DS is manufactured and formulated without any animal or human proteins, thereby reducing the potential risk of viral contamination in the product.

CCI

1.2.2 Pre-Clinical Documentation

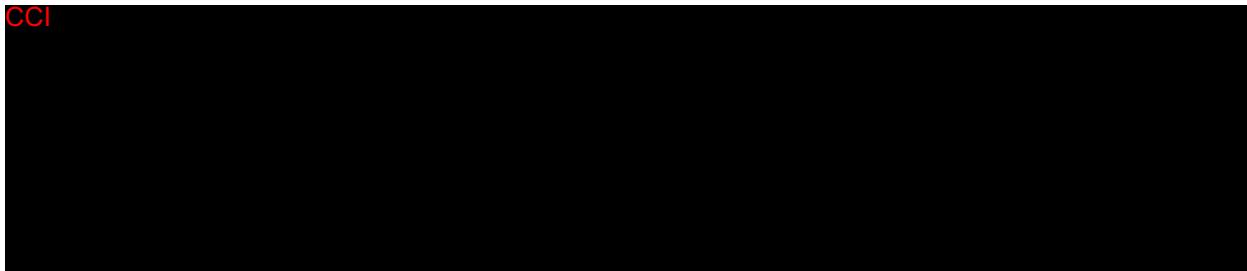
The pre-clinical pharmacology-toxicology program has included appropriate toxicology studies to support safety for administration of QM1114-DP at the proposed dose of 50 Unit (U) which will be evaluated in this study.

CCI

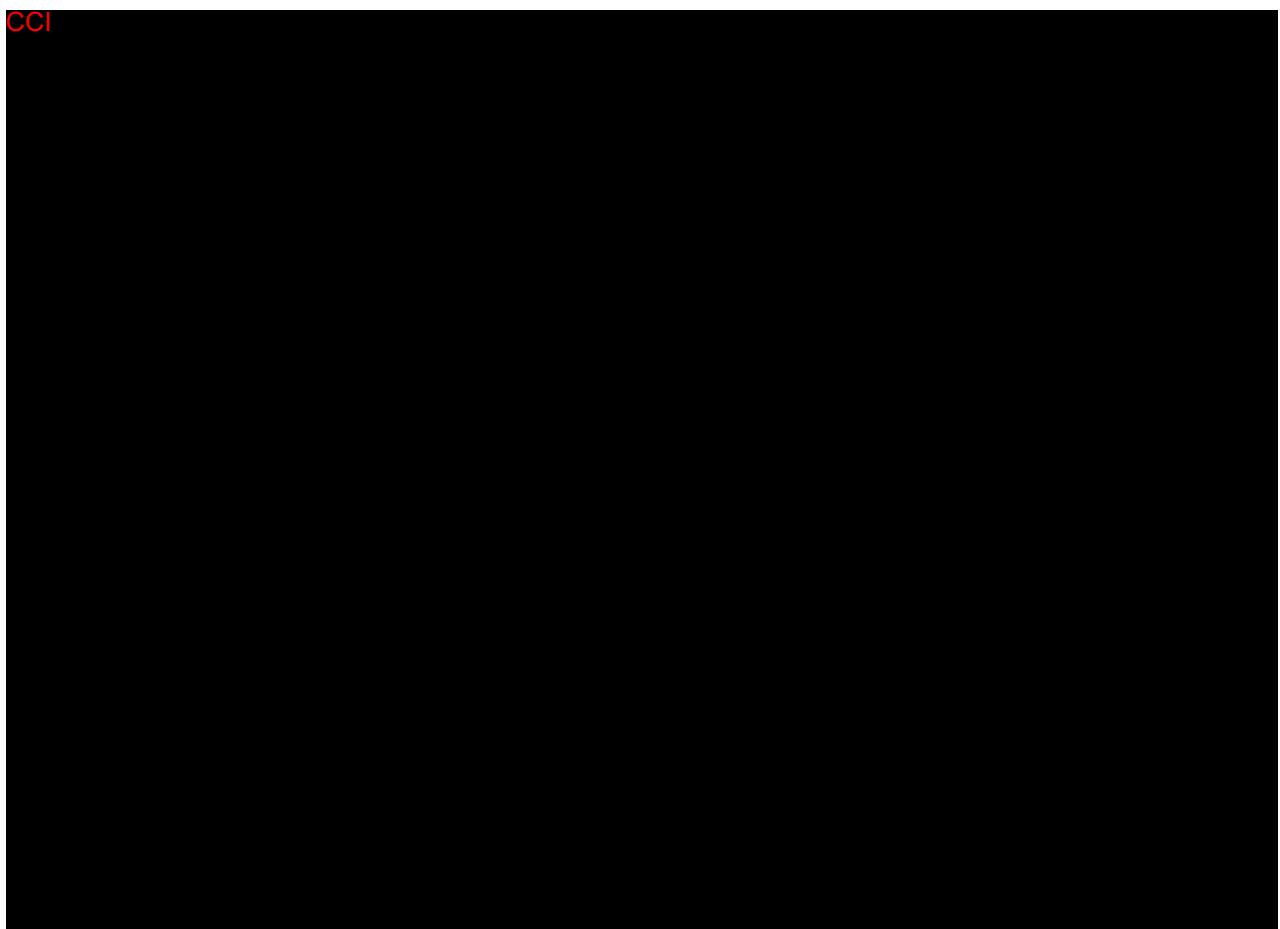
No safety pharmacology or pharmacokinetic studies were conducted for QM1114-DP since no systemic exposure to the product is expected with a single IM administration to specific facial muscles using the dose proposed. Additionally, BoNT-A binds with high affinity at the neuronal synapses at the local injection site.¹¹ Therefore, any metabolism and elimination of the product would occur at the local site of injection.

CCI

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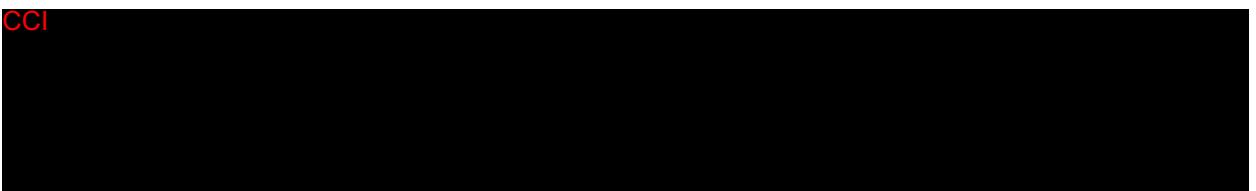
1.2.3 Clinical Documentation



CCI [REDACTED]

Following successful completion of clinical study CCI [REDACTED], a randomized, double-blind, placebo controlled, dose finding study of QM1114-DP using three different single doses of QM1114-DP (30, 45, 60 U) in male or female subjects aged over 18 years with moderate to very severe GL was performed.

Efficacy in reduction of GL severity was evaluated using the 5-point MAS scale. Efficacy assessments were made for up to and including six months post-treatment.



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1.2.4 Dose Rationale

Non-clinical studies have shown a similarity between QM1114-DP potency units and Speywood units (Dysport[®]). Both safety and efficacy for the 30-60 U dose range of QM1114-DP were established in the phase 2 study CCI (). In the treatment of GL with Speywood unit products (Dysport[®]/Azzalure[®]), the recommended dose is 50 U. Based on the evaluation of results for the different dose levels studied to date in the clinical program of QM1114-DP, the sponsor has concluded that a 50 unit dose offers an appropriate balance between efficacy, duration of effect and safety.

1.3 Risk/Benefit Assessment

Based on the clinical experience with QM1114-DP, subjects participating in the study may experience AEs such as injection site reactions and headache (Section 1.2.3).¹² CCI

The risk of AEs occurring is reduced by using physicians who are experienced in the botulinum toxin injection technique. All treating investigators will be trained in the administration technique of QM-1114-DP prior to the study start.

The benefit to subjects receiving QM1114-DP in this study will be a temporary reduction in the appearance of their GL. The subjects in the placebo group are not expected to gain any clinical benefit from their participation in the study; however, as this is an aesthetic indication there are no sequelae to lack of efficacy beyond a disappointment in the reduction of severity of their GL. In addition, only one subject out of four will receive placebo in the study.

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No additional risks specific to the QM1114-DP 50 U dose are anticipated, and sufficient clinical experience with BoNT-A products with similar mode of action for facial aesthetic use at dose levels corresponding to the dose levels in this study demonstrate the potential benefit of the proposed treatments. Adverse events will be recorded at each study visit, and subjects will also be queried for any potential signs and symptoms of local and remote spread of the toxin effect.

In conclusion, given the anticipated low level of transient and acceptable risks, the risk/benefit assessment of the use of QM1114-DP to assess aesthetic improvement and onset of treatment effect in subjects with moderate to severe GL appears to offer a substantial clinical benefit at reasonable risk.

Due to the COVID-19 pandemic, the feasibility and immediate necessity of starting a new clinical trial should be critically assessed and additional risks to trial participants should be addressed. Thus, a risk benefit assessment of the impact of COVID-19 potentially affecting trial participants and COVID-19 related measures affecting clinical trial conduct will be performed before the study starts to decide if the study can start or if it needs to be postponed. If the conclusion of the assessment is that the risk benefit is currently negative the study will not start until the outbreak is under control with a substantially reduced risk for subjects being infected by COVID-19, as guided by relevant research and local and international health authorities' guidelines and regulations. Measures to minimize the risk of exposure to COVID-19 for study subjects include, but is not limited to, replacing site visits with telephone call visits, replacing live assessments with remote digital assessments, postponing site visits and cancellation of site visits not needed for evaluation of the primary endpoint.

2. CLINICAL STUDY OBJECTIVES, ENDPOINTS, AND CLINICAL HYPOTHESIS

2.1 Clinical Study Objectives

The objectives of the study are to evaluate the aesthetic improvement and onset of QM1114-DP treatment effect in subjects with moderate to severe glabellar lines.

2.1.1 Primary Efficacy Objective and Endpoint

The primary efficacy objective is to demonstrate superiority in aesthetic improvement following a single dose of QM1114-DP compared to placebo as assessed by the subject using the Global Aesthetic Improvement Scale (GAIS) at maximum frown at Month 1.

For primary endpoint the responder rate will be based on the 7-point GAIS. A responder is defined as a subject who responds at least "Improved" on the GAIS at maximum frown.

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2.1.2 Secondary Efficacy Objectives and Endpoints

The secondary efficacy objectives and endpoints of the study are:

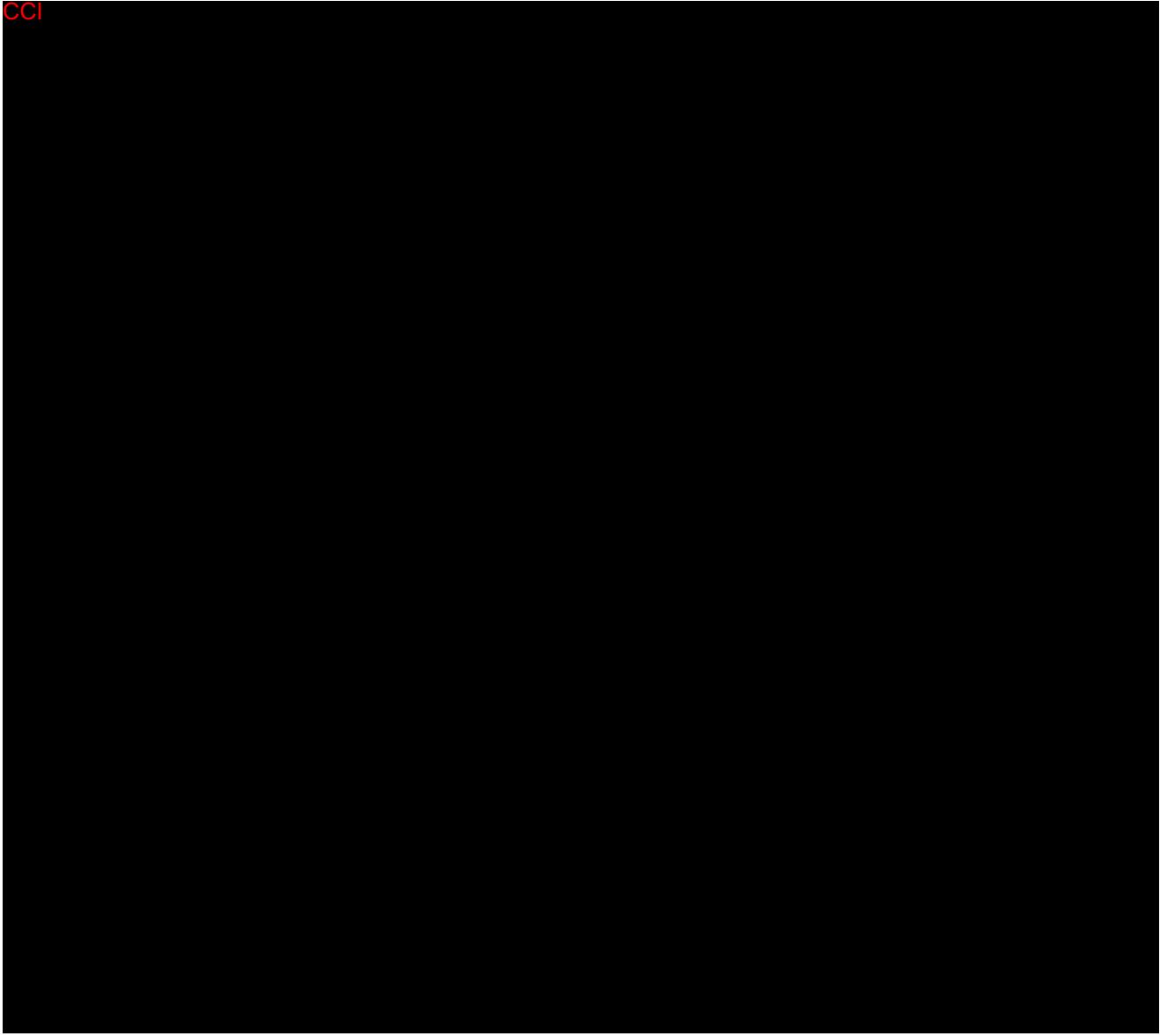
1. To evaluate onset of treatment effect following a single dose of QM1114-DP and placebo as assessed by the subject using the diary card on Days 0 through 7 post-treatment.

Endpoint: Onset of effect is defined as the first day a subject answers “yes” to the diary question.

2. To evaluate aesthetic improvement following a single dose of QM1114-DP and placebo as assessed by the subject using the GAIS at maximum frown at all applicable time points.

Endpoint: Responder rate based on the 7-point GAIS. A responder is defined as a subject who responds at least “Improved” on the GAIS at maximum frown.

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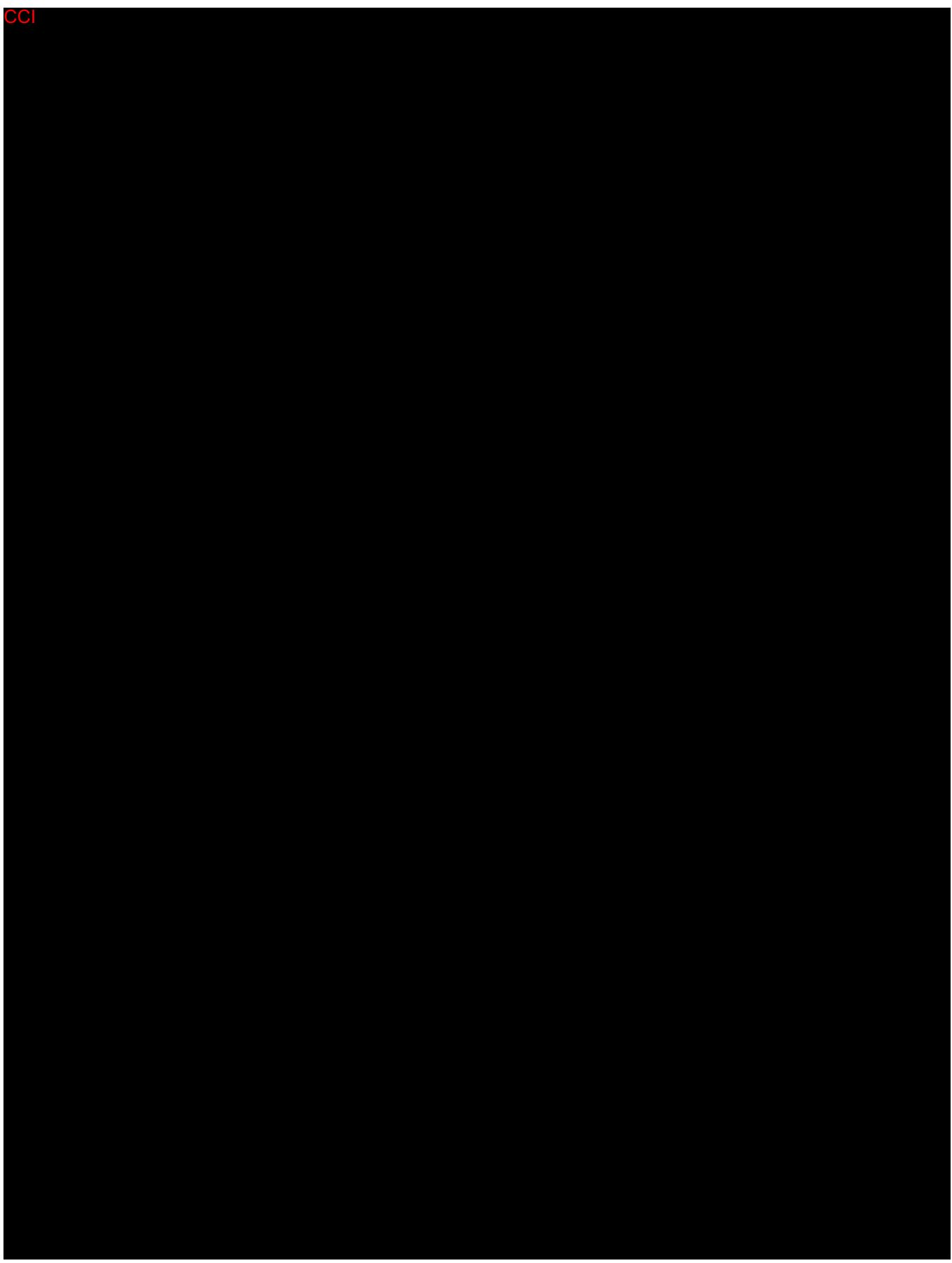


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2.1.4 Safety Objectives and Endpoints

The safety objective is to evaluate the safety of a single dose of 50U of QM1114-DP and placebo in the treatment of moderate to severe GL.

Endpoints:

- Incidence and severity of treatment emergent AEs (TEAEs)
- FPE findings
- Vital signs
- Neutralizing antibody production

2.2 Clinical Hypothesis

The clinical hypothesis of the study is that QM1114-DP will demonstrate a higher rate of aesthetic improvement and has an earlier onset of treatment effect compared to placebo in subjects with moderate to severe GL, and has an acceptable safety profile.

3. OVERALL CLINICAL STUDY DESCRIPTION

This is a multi-center, randomized, double-blind, placebo-controlled study to assessed aesthetic improvement and onset of QM1114-DP treatment effect in subjects with moderate to severe GL.

Following the informed consent and screening process, eligible subjects will be randomly assigned in a 3:1 ratio to receive a single treatment at baseline (Day 0) of 50 U of QM1114-DP (90 subjects) or placebo (30 subjects) in the glabellar region.

Following treatment at baseline, subjects will be monitored for safety and efficacy according to the Schedule of Assessments for 12 months.

4. CLINICAL STUDY DURATION AND TERMINATION

The planned duration of recruitment (from first subject first visit [FSFV] to last subject first visit [LSFV]) is approximately 2 months.

The planned clinical study duration from FSFV to last subject last visit (LSLV) is approximately 14.5 months.

Clinical study participation for each subject is approximately 12.5 months.

The sponsor may decide to prematurely terminate or suspend the participation of a particular clinical study center (for example, lack of subject enrollment or non-compliance with clinical

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study protocol, regulation, or Good Clinical Practice [GCP]) or prematurely suspend the clinical study (for example, for safety, study products(s) quality, regulatory, efficacy, or logistical reasons) at any time with appropriate notification.

5. SELECTION AND DISPOSITION OF CLINICAL STUDY POPULATION

5.1 Number of Subjects

As a screen failure rate of approximately 10% is anticipated, approximately 134 subjects will be screened in order to get 120 subjects enrolled in a 3:1 ratio to QM1114-DP 50 U (N=90) or placebo (N=30). It is expected that each center will recruit a similar number of subjects.

5.2 Clinical Study Population Characteristics

In order to be eligible for the clinical study, subjects must fulfill all of the following criteria. These criteria are applicable at both screening and baseline unless otherwise specified.

5.2.1 Inclusion Criteria

1. Male or female, 18 years of age or older.
2. **CCI**
[REDACTED]
3. [REDACTED]
4. Previous repeated treatments with BoNT-A products for aesthetic use within 3 years prior to the screening visit.
5. Female of non-childbearing potential (i.e., post-menopausal [absence of menstrual bleeding for 1 year prior to screening, without any other medical reason], or has undergone hysterectomy or bilateral oophorectomy).

OR

Female of childbearing potential with a negative urine pregnancy test at screening and baseline, and agrees to use a highly effective and approved contraceptive method for the duration of the study. A highly effective method of contraception is defined as:

- Bilateral tubal ligation;
- Combined (estrogen and progesterone containing) oral, intravaginal or transdermal contraceptives that inhibit ovulation as the primary mode of action, on a stable dose for at least 28 days prior to screening visit;
- Intrauterine device (IUD) inserted at least 28 days prior to screening visit;
- Intrauterine hormone-releasing system;
- Partner vasectomized for at least three months prior to screening visit;

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- Progestogen-only oral, injectable or implantable contraceptives that inhibit ovulation as the primary mode of action, on a stable dose for at least 28 days prior to screening visit; or
- Strict abstinence (i.e., refraining from heterosexual intercourse for the duration of the subject's participation in the study).

6. Time and ability to complete the study and comply with instructions.
7. Understands the study requirements and signed the informed consent form (ICF).

5.2.2 Exclusion Criteria

1. Previous use of any botulinum toxin in facial areas within 9 months prior to study treatment.
2. Anticipated need for treatment with botulinum toxin of any serotype for any reason during the study (other than the investigational product).
3. Female who is pregnant, breast feeding, or intends to conceive a child during the study.
4. Known allergy or hypersensitivity to any component of the investigational product (QM1114-DP) or any botulinum toxin serotype.
5. Inability to substantially lessen GL by physically spreading them apart, as determined by the investigator.
6. Clinically significant abnormal focused physical exam finding(s) at screening or baseline visits, in the investigator's opinion.
7. Excessive skin laxity in the treatment area or periorbital area.
8. Previous use of any hyaluronic acid soft tissue augmentation therapy in the glabella area within 6 months before baseline.
9. Previous soft tissue augmentation with any permanent (non-biodegradable such as silicone, polyacrylamide, etc.) or semi-permanent (i.e., calcium hydroxylapatite, poly-L-Lactic acid or polymethyl-methacrylate) product; lifting threads, or autologous fat in the treatment area.
10. History, presence, or predisposition of eyelid or eyebrow ptosis (heavy eyebrows), amblyopia (i.e., lazy eye), or previous surgery around the eye that may lead to the above events, as determined by the investigator.
11. Marked facial asymmetry, excessive dermatochalasis (i.e., excess of skin in eyelids), or marked periocular or eyebrow asymmetry.
12. Presence of scar(s), piercing(s), or tattoo(s) (including microblading of eyebrow or eyeliner) in the treatment area or around the treatment area that, in the investigator's opinion, may interfere with study evaluations.

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13. Presence of inflammation, active infection or skin disorder, such as eczema, rosacea, facial psoriasis, herpes zoster etc., near or in the treatment area.
14. Presence of cancerous or pre-cancerous lesions in the treatment area.
15. History of other facial treatment, surgery or other aesthetic procedures (e.g. ablative skin resurfacing, laser treatment, micro needling, chemical peel) in the previous 12 months that, in the investigator's opinion, could interfere with study injections and/or assessments or expose the subject to undue risk by study participation.
16. Planned facial surgery, eye surgery (including LASIK procedure) or aesthetic procedures (e.g. ablative skin resurfacing, laser treatment, micro needling, chemical peel, botulinum toxin treatment, or dermal fillers) in the face during the study period.
17. History or presence of facial nerve palsy, or any medical condition that may put the subject at increased risk with exposure to botulinum toxin including diagnosed myasthenia gravis, Lambert-Eaton syndrome, amyotrophic lateral sclerosis, or any other condition that might interfere with neuromuscular function.
18. Use of medications that affect neuromuscular transmission such as curare-like depolarizing agents, lincosamides, polymyxins, anticholinesterases, and aminoglycoside antibiotics.
19. Subject with bleeding disorder or subject currently using anticoagulants.
20. Subject has any prior or current psychiatric illness (e.g. Psychosis, depression, anxiety), alcohol or drug abuse, or is taking antidepressant, anxiolytic, or antipsychotic medication that, in the investigator's opinion, could affect the subject's safety and/or participation in the study.
21. Other concurrent medical conditions, therapy, or other condition that, in the investigator's opinion, would interfere with the evaluation of the study medication, safety or efficacy, and/or put the subject at risk if he/she participates to the study.
22. Participation in an investigational device or drug study within 30 days prior to study treatment or plans to enroll in any other investigational study during participation in this study.
23. Study center personnel, close relatives of the study center personnel (e.g. parents, children, siblings, or spouse), employees or close relatives of employees at the sponsor company.

5.3 Medical History

Relevant history of surgical events and medical conditions shall be documented in the subject's study file and electronic case report form (eCRF) using medical terminology.

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5.4 Previous and Concomitant Therapies

5.4.1 Definition

Previous therapies are defined as therapies that have been stopped within 4 weeks preceding the screening visit or within timeframes specified in the inclusion/exclusion criteria.

Concomitant therapies are defined as follows:

- any existing therapies ongoing at the time of the screening visit,
- any changes to existing therapies (such as changes in dose or formulation) during the course of the clinical study, or
- any new therapies received by the subject since the screening visit.

5.4.2 Categories

The following two categories are to be considered for previous and concomitant therapies:

- Drugs including but not limited to, prescription, over-the-counter (OTC), birth control pills/patches/hormonal devices, vitamins, herbal medicines/supplements, and homeopathic preparations.
- Medical and surgical procedures including, but not limited to, laser/radiation procedures, dermal fillers (area of treatment should be indicated), X-rays, surgeries, tooth extractions.

5.4.3 Recording

Previous and concomitant therapies are to be recorded in the subject's source documents and eCRFs.

Concomitant therapies are to be reviewed at each visit and updated in the source documents and eCRFs as needed.

Any new concomitant therapy or modification of an existing therapy may be linked to an adverse event (AE). A corresponding AE form should be completed to account for the change in therapy, except in some cases such as therapy used for prophylaxis, dose modification for a chronic condition, etc.

5.4.4 Authorized Concomitant Therapies

Unless listed in prohibited concomitant therapies (see Section [5.4.5](#)), all are authorized.

5.4.5 Prohibited Concomitant Therapies

The following therapies are prohibited because they may interfere with the efficacy and/or safety assessment of the study products(s):

- Botulinum toxin of any serotype.
- Any other investigational new drug or device.

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- Any absorbable (temporary) or non-absorbable (permanent) material in the treatment area.
- Facial aesthetic procedures (e.g., ablative skin resurfacing, laser treatment, micro needling, photodynamic therapy, tattooing or chemical peel) or any other procedures in the treatment area.
- Facial surgery or eye surgery (including LASIK procedure).
- Medications that affect neuromuscular transmission such as curare-like depolarizing agents, lincosamides, polymyxins, anticholinesterases and aminoglycoside antibiotics.

If a prohibited therapy becomes a necessary treatment for best clinical interest of the subject or due to safety reason, the Medical Monitor (Section 11.9) should be notified, if time permits, to discuss possible alternatives prior to administration of a prohibited therapy.

If a subject receives a prohibited therapy during the clinical study, the Medical Monitor (Section 11.9) should be notified to discuss the subject's continuation in the clinical study.

5.5 Procedures/Reasons for Subject Discontinuation

An investigator may decide to discontinue a subject from the clinical study for safety reasons.

Although the importance of completing the entire clinical study should be explained to the subject by the clinical study personnel, any subject is free to discontinue participation in this clinical study at any time and for whatever reason, specified or unspecified, and without any prejudice. No constraints are to be imposed on the subject, and when appropriate, a subject may be treated with other conventional therapy when clinically indicated.

When a subject does not complete the clinical study, he/she will be fully assessed, if such assessment is possible. The procedures designated for the Month 12/ Early Termination (ET) visit should be completed for all subjects discontinuing the clinical study and the appropriate eCRF should be completed.

All discontinuations and the reason for discontinuation are to be documented by the investigator on the exit form. For discontinuation due to an AE, the AE form is to be completed. The investigator should also ensure that the subject receives suitable therapy for the AE.

Potential reasons for discontinuation are listed below:

- **Adverse Event:** Complete an AE form.
- **Withdrawal by Subject:** Includes consent withdrawal, subject relocation, schedule conflicts, etc. Explain the reason for withdrawal in the comment section of the eCRF exit form.
- **Lost to Follow-up:** Confirmed with two documented phone calls and a certified letter (delivery receipt requested) without answer. Explain in the comment section of the eCRF exit form.

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- **Other:**

This category is to be used for a subject who discontinues due to a reason other than as specified in the predefined categories above. Explain the reason for discontinuation in the comment section of the eCRF exit form.

A subject who has been randomized and assigned a kit number/randomization number cannot be replaced by another subject if he/she discontinues the clinical study for any reason. Additional subjects could be enrolled (randomized/assigned to treatment) in order to attain the number of evaluable subjects.

Pregnancies occurring during the screening period are considered screen failures; they should be recorded as such in the eCRF and no pregnancy form is to be completed. In case of a pregnancy occurring after the baseline visit, follow the procedures described in Section 7.2.4.2.3. The subject may remain in the study, but no invasive procedure should be conducted (e.g. no sample taken for lab test).

The sponsor may also decide to prematurely terminate or suspend a subject's participation in the clinical study.

6. CLINICAL SUPPLIES

Details of the drug composition and excipients are provided in the current QM1114-DP IB.¹²

6.1 Clinical Supply Identification and Use

6.1.1 QM1114-DP

The investigational product (QM1114-DP) will be supplied as a sterile solution for injection containing the drug substance, QM1114-DS. The drug substance is a BoNT Type A. QM1114-DS is diluted in a buffer solution.

At the baseline visit, a total volume of 0.5 mL of QM1114-DP will be administered in 5 equal aliquots of 0.1 mL each per the blinded randomization assignment.

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6.1.2 Placebo

Placebo will be supplied as a buffered solution for injection containing only the buffer solution of QM1114-DP; placebo does not contain active drug substance.

At the baseline visit, a total volume of 0.5 mL of placebo will be administered in 5 equal aliquots of 0.1 mL each per the blinded randomization assignment.

The placebo product should be stored at the recommended temperature (between 2°C and 8°C, 36 °F – 46 °F). The placebo product should not be frozen and should be protected from light.

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6.1.3 Study Products(s) Description

Table 3 Description and Usage of the Study Products(s)

	Investigational product	Reference product
Name of drug substance	QM1114-DS	N/A
Internal Code	QM1114-DP	Placebo
Pharmaceutical Form	Solution for injection	Solution for injection
Concentration	100 U/mL, buffered solution	N/A, buffer solution
Buffer composition	CCI	
Packaging	Glass vial. Fill volume 1.5 mL	Glass vial. Fill volume 1.5 mL
CCI		
Dosage	50 U 0.5 mL total 0.1 mL per injection point	N/A 0.5 mL total 0.1 mL per injection point
Route	Intramuscular injection	Intramuscular injection
Dose regimen	Single treatment at baseline visit	Single treatment at baseline visit
Location of treated area	Glabellar region	Glabellar region

6.1.4 Subject Identification Number

Each study participant who has signed the Informed Consent Form (ICF) will be entered into the eCRF system and a subject identification number (SIN) will be assigned via the eCRF system. For the duration of the study, the subject will be identified using the subject number for all documentation and discussion.

Subject numbers will consist of the study center number followed by a consecutive number starting with 001 at each center. The subject numbers shall be allocated in ascending sequential order within each center. If a subject is deemed not eligible for the study participation, the reason for screen failure should be specified. A screen failure cannot be re-screened.

A log/listing should be maintained by each site for all subjects who have signed the ICF. There should be sufficient information to link the eCRF to a study subject's source documents and medical records.

6.1.5 Method of Treatment Assignment

Before starting the study, a randomization list stratified by study center will be generated. When the investigator has confirmed subject eligibility, the subject will be allocated a study product within the electronic data capture (EDC) system.

6.1.6 Kit Number/Randomization Number

A kit number/randomization number, a unique number on the label of the study products, will be assigned to each eligible subject at baseline.

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Kit number/randomization number will be allocated in ascending sequential order to each eligible subject.

6.1.7 Instructions for Use and Administration

QM1114-DP (50 U) will be compared to placebo in this study and administered based on randomization.

Placebo is identical in appearance to the active QM1114-DP but contains no active drug substance.

QM1114-DP and placebo are administered in exactly the same way. All treating investigators will be trained in the administration technique prior to the study start.

Handling of accidentally damaged or spilled study product is described in the Material Safety Data Sheet.

See also QM1114-DP IB. ¹²

6.1.7.1 *Treatment Procedure*

Prior to injection, the treatment area should be cleaned with a suitable antiseptic solution. An appropriately sized syringe and needle (e.g., 30-33 gauge needle) should be used to administer treatment.

At baseline, subjects will be randomized to receive treatment with QM1114-DP or placebo. Each treatment includes five intramuscular (IM) injections of equal volume (0.1 mL) administered at 5 injection sites in the glabellar region (0.5 mL in total). The injections should commence in the procerus muscle followed by the corrugator supercilii muscles on each side, moving outwards from the median. All injections should be approximately 1 cm above the upper orbital rim and internal to the mid-pupillary lines (Figure 2).

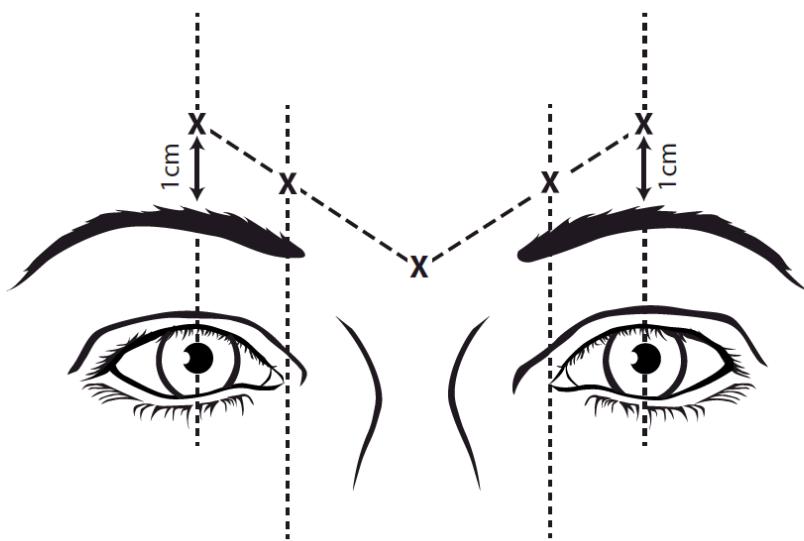
In order to minimize risks of regional effect of the neurotoxin (e.g., eyelid ptosis), the investigator should use one thumb to apply pressure on the upper orbital rim while injecting. It is recommended that injection is not closer than 1 cm above the central eyebrow or the bony supraorbital ridge. Moreover, the tip and bevel of the needle should always be pointed away from the study subject.

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Figure 2 Injection Sites for Treating Glabellar Lines**6.1.7.2 Post-treatment Care**

Following treatment administration, subjects will be monitored at the study center for 30 minutes.

Subjects will be instructed to avoid applying pressure, rubbing or massaging the treated area, or lying face down for 4 hours after treatment.

6.1.7.3 Treatment Regimen

Each subject will receive a single treatment with QM1114-DP or placebo at the baseline visit.

The treatments investigated in this study are:

- 50 U of QM1114-DP (0.5 mL total injection volume/0.1 mL per injection point)
- Placebo

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6.3 Supplies Management

6.3.1 Accountability

Upon receipt of the study product(s), the investigator or designee will maintain accurate records of the study product(s) delivery to the clinical study center, the inventory at the clinical study center, the use by each subject, the reconciliation of all study product(s) received from the sponsor's designee, and the return to the sponsor's designee for disposal of unused study product(s).

All study product(s) sent to the investigator/institution will be accounted for and no unauthorized use is permitted.

6.3.2 Storage of Study Product(s)

Study product(s) must be stored in a safe and secure area with restricted access, under the storage conditions specified by the sponsor (see [Table 3](#)).

6.3.3 Dispensing and Return

All study product(s) must be inventoried and a record of the dispensing for each subject must be appropriately documented. Any dispensing errors must be reported to the sponsor/contract research organization (CRO) and properly documented.

In the event of early termination/suspension of the clinical study, a rapid recall of study product(s) will be initiated.

Unused or expired study product will be returned for destruction to the sponsor representative at time points approved by the sponsor.

6.3.4 Treatment Compliance Management and Record

The treatment is an injection administered by the investigator. Details of the injection procedure will be recorded in the eCRF and subject source documents. No other measurements of treatment compliance will be made.

6.3.5 Dose Modification

Dose modifications are not permitted.

6.3.6 Product Quality Complaints

Product Quality complaints (PQCs) should be reported to the Safety e-mail listed in [Section 11.9](#). A PQC is an external judgement presuming a quality defect of a product; quality issue for a product relating to its presentation or use, identified by a subject, a practitioner or investigator site personnel, a distributor, or anyone else involved in clinical supplies handling. Examples may include but are not limited to appearance issues, odor, damaged stoppers, low fills, and foreign matter in the product. These complaints may or may not represent a potential risk to the subject. A PQC form must be completed by the study center personnel and forwarded to the sponsor or designee within 24 hours of awareness. Affected study product should be quarantined, and not used, until further notice by the sponsor.

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Additional contact details are provided in the investigator's site file.

6.4 Blinding

This is a double-blind study in which neither the investigator, sub-investigator, study staff, nor the subject will know the subject's study product assignment (i.e., QM1114-DP or placebo). Placebo is identical in appearance to QM1114-DP but contains no active drug substance.

Subjects will be randomized at baseline to either treatment with QM1114-DP or placebo. In order to maintain the blind, the study products, QM1114-DP and placebo, will be supplied in identical vials, each with a unique number on the vial label. Both QM1114-DP and placebo will be administered in exactly the same way.

An un-blinded statistician will generate the randomization schedule; however, he/she will not be involved in any other aspect of the study prior to database lock.

The sponsor's staff or designees directly involved in clinical operations management, data management, and statistical evaluation of the study will remain blinded until the database is locked, unless emergency unblinding is required.

6.4.1 Verification of Blinding

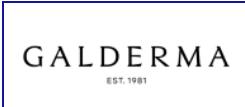
The sponsor's staff or designees will assess and verify maintenance of the study blind during the study through routine monitoring visits.

6.4.2 Unblinding During the Clinical Study

Emergency un-blinding during the clinical study may be required for therapeutic or for regulatory reasons (for expedited safety reporting).

A blind-break system will be available for investigators. In such an emergency, the investigator will only break the blind for the subject involved.

The investigator must notify the sponsor immediately in the event of such an emergency (see contact details in Section [7.2.4.2.2](#)). If possible, the investigator should notify the sponsor before breaking the blind in order to discuss this decision with the sponsor. The investigator is required to document each case of emergency unblinding and inform the sponsor immediately.

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7. CLINICAL STUDY ASSESSMENTS

7.1 Efficacy Assessments

7.1.1 Global Aesthetic Improvement Scale

Subjects will rate the global aesthetic improvement of their GL at maximum frown, relative to their pre-treatment appearance, using the following categorical scale at all post-treatment time points through Month 12.

Rating
Very Much Improved
Much Improved
Improved
No Change
Worse
Much Worse
Very Much Worse

Subjects will be asked:

“How would you rate the change in appearance of your glabellar lines (lines between your eyebrows) at maximum frown compared with immediately before the injection?”

Subjects will be instructed to select the one rating that best describes the degree to which the appearance of their GLs at maximum frown has changed relative to baseline. The subject may review the baseline photograph to aid in the assessment.

7.1.2 Subject Diary Card

Subjects will be asked to record their assessment of study treatment response in a diary card on Days 0 through 7 post-treatment. They will be asked to respond “yes” or “no” to the following question:

“Since being injected have you noticed an improvement in the appearance of your glabellar lines (lines between your eyebrows) when you frown?”

Subjects are to complete the diary card daily, starting on the day of treatment (Day 0), and return the diary to study center at their Month 1 visit.

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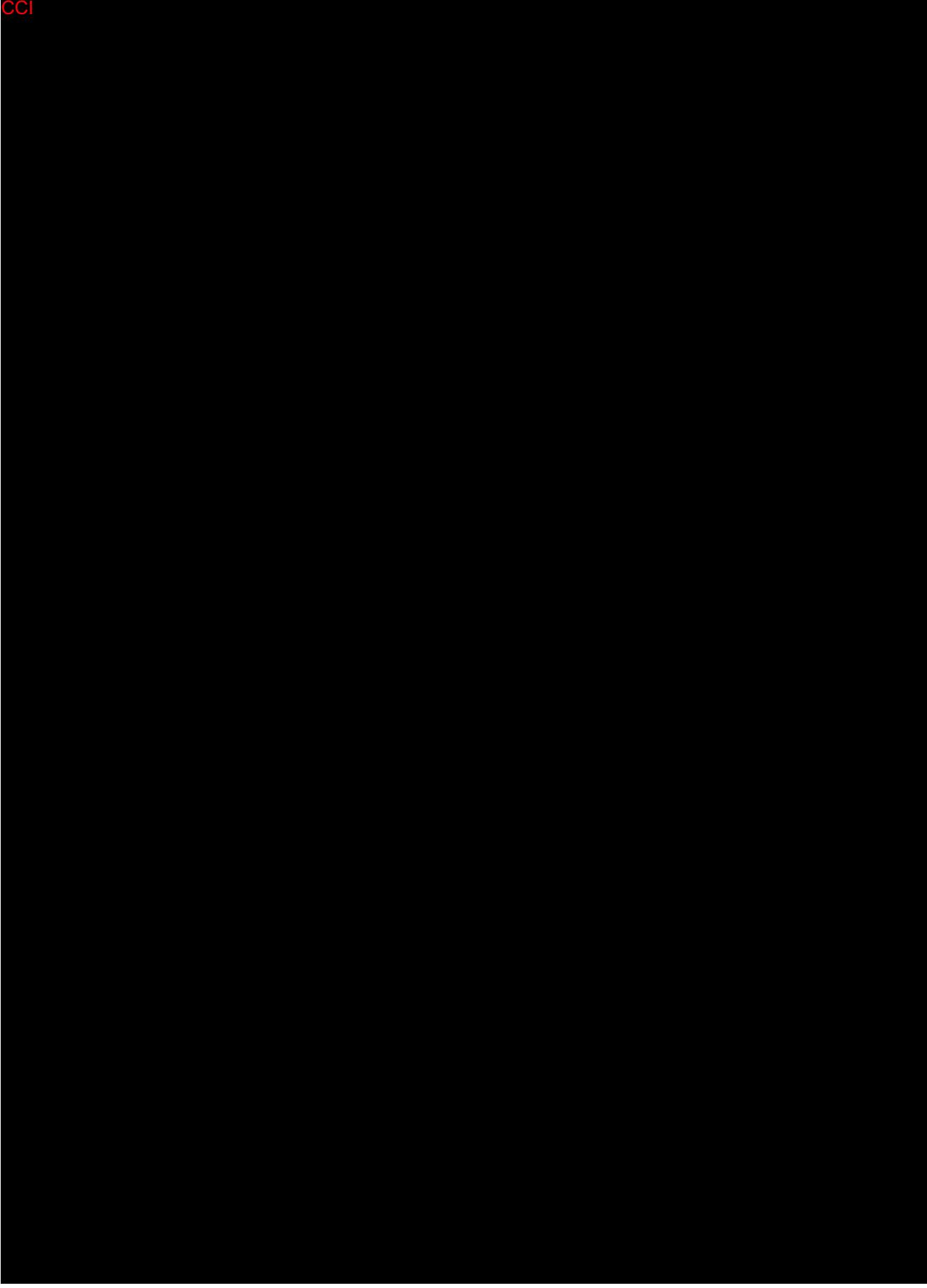


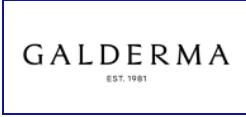
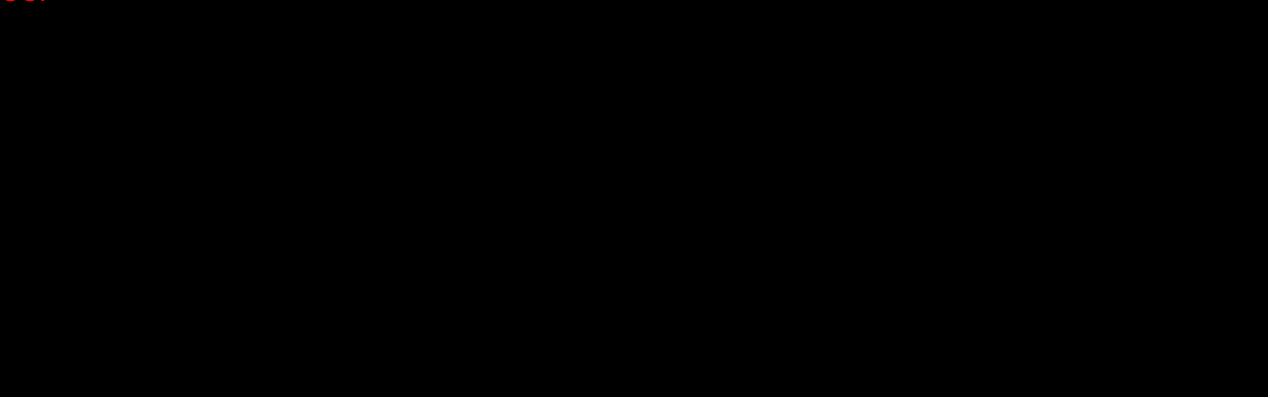
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7.2 Safety Assessments

Safety assessments will be conducted for all subjects at the time points indicated in Schedule of Assessments ([Table 2](#)). Safety parameters include an evaluation of AEs, focused physical examination, vital signs, and neutralizing antibody production.

7.2.1 Focused Physical Examination (FPE)

At the time points indicated in the Schedule of Assessments ([Table 2](#)), the investigator or designee will perform a FPE of the subject that includes the face, head, and neck. Further details are provided in [Appendix 7](#).

Post-baseline, the signs and symptoms will also be monitored via FPE of face, head, and neck to evaluate local effect of toxin. In addition, a general physical examination to evaluate the remote spread events will be conducted. The list of remote spread of toxin events is considered while doing clinical evaluations based on subject's symptoms and signs ([Appendix 8](#)). Directed questioning and examination will then be performed as appropriate.

The investigator may choose to investigate any other sign that he/she observes during the physical examination. Clinically significant abnormalities noted pre-injection, i.e., at the screening/baseline visits, should be recorded as medical history and assessed as to whether the abnormalities affect subject eligibility. Clinically significant abnormalities noted post-injection should be recorded as AEs.

7.2.2 Vital Signs

Evaluation of vital signs shall be performed after approximately 10 minutes rest in the sitting position. It shall include measurement of systolic and diastolic blood pressure, heart rate, and respiratory rate.

All abnormal values at the baseline visit identified as clinically significant by the investigator shall be recorded in the Medical History form.

For any clinically significant changes from the baseline visit, an AE is to be recorded.

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7.2.3 Neutralizing Antibody Testing

Subjects will have blood samples taken at baseline prior to treatment, Month 1, and Month 6 for measurement of serum neutralizing antibody testing against QM1114-DP. Additional information and detailed description of sample volumes, processing, and storage requirement will be included in a Laboratory Manual.

7.2.4 Adverse Events

AEs are to be monitored throughout the course of the clinical study from the time the informed consent form has been signed. All AEs are to be reported on the AE form of the eCRF with complete information as required.

If AEs occur, the main concern shall be the safety of the subjects. At the time of the ICF signature, each subject must be provided with the name and phone number of clinical study center personnel for reporting AEs and medical emergencies.

At each post enrollment visit, the investigator (or sub-investigator) will question the subject about AEs using an open non-persuasive question to elicit reporting of AEs, for example “Have you noticed any change in your health since the last visit?” Additional questioning and examination will then be performed as appropriate.

7.2.4.1 Definitions

7.2.4.1.1 Adverse Events

According to International Council for Harmonisation (ICH) E2A,¹⁵ an AE is any untoward medical occurrence in a patient or a clinical investigation subject administered a pharmaceutical product and which does not necessarily have a causal relationship with this treatment. An AE can therefore be any unfavorable and unintended sign (including an abnormal laboratory finding), symptom, or disease temporally associated with the use of a medicinal (investigational) product, whether or not related to the medicinal (investigational) product.

Thus, any new sign, symptom or disease, or any clinically significant worsening of an existing sign, symptom or disease (including new episodes of a chronic disease [e.g., hay fever, allergy]) compared to the condition at the first visit, should be considered as an AE. Lack of efficacy is not considered as an AE.

Notes:

- There should be an attempt to report a diagnosis rather than the signs, symptoms or abnormal laboratory values associated with the report of an AE. However, a diagnosis should be reported only if, in the investigator's judgment, it is relatively certain. Otherwise, symptoms, signs, or laboratory values should be used to describe the AE.
- Pregnancy is not to be considered as an AE; however, is an important medical event that must be monitored as described in Section 7.2.4.2.3.

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- The effects of all BoNT products may spread from the area of injection to produce symptoms consistent with BoNT effects. These symptoms have been reported hours to weeks after injection. Remote spread of toxin that affects swallowing and breathing can be life threatening, and there have been reports of death. The risk of symptoms is increased in subjects who have underlying conditions (e.g. disorders of the neuromuscular junction) that would predispose them to these symptoms. BoNT is contraindicated in individuals with known hypersensitivity to any BoNT preparation or to any of the components in the formulation.

7.2.4.1.2 *Treatment Emergent Adverse Event*

A TEAE is an event that emerges during or after treatment, having been absent pre-treatment, or worsens relative to the pre-treatment state.

7.2.4.1.3 *Serious Adverse Events*

A SAE is any untoward medical occurrence that at any dose:

- Results in death,
- Is life-threatening,
- Requires inpatient hospitalization or prolongation of existing hospitalization,
- Results in persistent or significant disability/incapacity, or
- Is a congenital anomaly/birth defect.

Important medical events that may not result in death, be life-threatening, or require hospitalization may be considered an SAE when, based upon appropriate medical judgment, they may jeopardize the safety of the subject, and may require medical or surgical intervention to prevent one of the outcomes listed in this definition. Examples of such events are intensive treatment in an emergency room or at home for allergic bronchospasm, blood dyscrasia, or convulsions that do not result in hospitalization.

Note: The term “life-threatening” refers to an event in which the subject was at risk of death at the time of the event; it does not refer to an event which hypothetically might have caused death if it were more severe.

Inpatient hospitalization is considered to have occurred if the subject has had to stay for a night at the hospital. The criterion for prolongation of hospitalization is also defined as an extra night at the hospital. Hospitalization may not constitute sufficient grounds to be considered as an SAE if it is solely for the purpose of a diagnostic test(s) (even if related to an AE), elective hospitalization for an intervention that was already planned before subject enrolment in the clinical study, admission to a day-care facility, social admission (e.g., if the subject has no place to sleep), or administrative admission (e.g., for a yearly examination).

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7.2.4.1.4 *Unexpected Adverse Drug Reaction*

An unexpected adverse drug reaction is defined as an adverse reaction, the nature or severity of which is not consistent with the applicable study product information (e.g., IB for an unapproved investigational product).

7.2.4.1.5 *Adverse Event Reporting Period*

The clinical study period during which AEs must be reported is the period from when the subject signed the ICF to the end of the subject's participation.

The sponsor should be informed if the investigator becomes aware of any unusual safety information or any safety information that appears to be drug-related involving a subject who has participated in a clinical study, even after a subject has completed the clinical study.

7.2.4.1.6 *Severity*

Severity is a clinical determination of the intensity of an AE and not the severity of a disease.

The investigator is to classify the intensity of AEs using the following definitions as a guideline. For this classification, the investigator will take into account the possible range of the intensity of the event and report the grade of intensity which is the most appropriate according to his/her medical judgment.

Mild Awareness of signs or symptom, but easily tolerated.

Moderate Discomfort, enough to cause interference with usual activity.

Severe Incapacitating with inability to work or perform usual activity.

7.2.4.1.7 *Relationship to the Study Product and/or Clinical Study Procedure*

The investigator is to determine whether there is a reasonable causal relationship between the occurrence of the AE and exposure to the study product and/or clinical study procedure.

Medical judgment should be used to determine the relationship, considering all relevant factors including the pattern of reaction, temporal relationships, relevant medical history, and confounding factors such as co-medication or concurrent diseases.

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The expression “reasonable causal relationship” is meant to convey in general that there are facts or arguments to suggest a causal relationship (ICH E2A, Section IIIA 1).

The relationship assessment for an AE is to be completed using the following definitions as a guideline:

Reasonable Possibility: According to the reporting investigator, there is a reasonable possibility (i.e., suggestive evidence or arguments) that there is a causal relationship irrespective of the dose administered between:

- The study product (active or placebo) and the AE.
- The clinical study protocol procedure (e.g., bruising or marks from blood draws, injection related trauma, etc.) and the AE.

A two-point scale (Yes or No response) shall be used for the causality assessment. The investigator shall be asked to indicate a response to each of the following questions in the eCRF:

- “Do you consider that there is a reasonable possibility that the event may have been caused by the study product?”, and
- “Do you consider that there is a reasonable possibility that the event may have been caused by the study product injection procedure?”

If any of these questions is answered Yes, the AE is considered related.

No Reasonable Possibility: No suggestive evidence or arguments can be identified regarding a causal relationship between the study product or the clinical study protocol procedure and the AE.

7.2.4.2 Reporting Procedures

7.2.4.2.1 Procedures for Reporting Adverse Events

The collection of AEs is from the time that a subject signs the ICF to their final visit.

At each post-enrollment visit, the investigator (or sub-investigator) will question the subject about AEs using an open non-persuasive question to elicit reporting of AEs, for example “Have you noticed any change in your health since the last visit?” Directed questioning and examination will then be performed as appropriate.

Any AE occurring during the AE reporting period, whether it is related to the study product or not, will be recorded immediately in the source document, and described on the AE form of the eCRF along with the date of onset, severity, relationship to the study product, action taken, and outcome, without omitting any requested and known information. Additional information will be requested under certain circumstances.

At study end, AEs assessed as related to the treatment or study procedure will be monitored until they have resolved or reached a stable condition. Other AEs will be monitored until the last visit if they have not resolved or reached a stable condition.

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The investigator will maintain all pertinent medical records in the subject's study file. If necessary and approved by the subject or their legal health care representative, the investigator may contact the subject's personal physician or other health care provider(s) to obtain further details.

For SAEs (see Section [7.2.4.2.2](#)) and pregnancies (see Section [7.2.4.2.3](#)), the sponsor is to be informed immediately by e-mail. The event must be reported to the Safety e-mail within 24 hours of receipt of the information (contact details in Section [11.9](#)).

7.2.4.2.2 *Procedure for Reporting a Serious Adverse Event*

For a SAE occurring during the clinical study, regardless of whether it is related to the treatment or not, and of whether it is expected or not, the investigator must do the following:

1. Take prompt and appropriate medical action, if necessary. The safety of the subject is the first priority.
2. Ensure that the event is classified as an SAE (Section [7.2.4.1.3](#)).
3. Complete the AE form provided in the eCRF as fully as possible.

Print and complete the SAE form. The completed form, accompanied by any other relevant information or anonymized medical records (e.g., laboratory test results) within 24 hours of receipt of the information to Safety e-mail listed below. The demographics, medical history, drugs/therapies form, medical and surgical procedures form, and AE pages of the eCRF must be completed and available for review in the EDC system at the time of the report.

4. Immediately send the completed SAE report form to the Safety e-mail and discuss further actions to be taken.

E-mail: **CC1** [REDACTED]

Additional contact details are provided in the investigator's site file.

5. Monitor and record the progress of the event until it resolves or reaches a clinically stable outcome, with or without sequelae. For all additional follow-up evaluations, send all additional follow-up information on the SAE to the Safety e-mail within 24 hours of receipt of the updated information. SAEs will be monitored until the investigator and sponsor agree that the event is satisfactorily resolved.
6. Obtain and maintain all pertinent medical records and information regarding the SAE in the subject's study file.
7. Inform the sponsor of the final outcome of the event. Send a follow up SAE form, when appropriate, to the Safety e-mail.
8. Prompt notification of SAEs by the investigator to the sponsor is essential so that legal obligations and ethical responsibilities towards the safety of subjects are met. The sponsor has a legal responsibility to notify both the local regulatory authority and other regulatory agencies about the safety of a product under clinical investigation. The

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sponsor will comply with country specific regulatory requirements relating to safety reporting to regulatory authorities, institutional review boards (IRBs), and investigators. Investigator safety reports are prepared for Suspected Unexpected Serious Adverse Reactions (SUSARs) according to local regulatory requirements and the sponsor policy and are forwarded to investigators as necessary. An investigator who receives an investigator safety report describing a SAE(s) or other specific safety information (e.g., summary or listing of SAEs) from the sponsor will file it with the IB and will notify the IRB, if appropriate, according to local requirements.

9. Comply with the applicable regulatory requirement(s) related to the reporting of SAEs to the IRB.

7.2.4.2.3 *Procedures for Reporting Pregnancies*

Any pregnancy occurring during the clinical study, where the fetus could have been exposed to the study product, must be monitored until its outcome in order to ensure the complete collection of safety data.

Subjects who become pregnant during the screening period are considered screen failures; they are recorded as such in the eCRF and no pregnancy form is to be completed.

If a subject becomes pregnant after the screening period, the investigator is to do the following:

1. The subject does not need to be withdrawn from the clinical study, i.e. she may continue to attend the planned study visits, but no invasive procedure should be conducted (e.g. no sample taken for lab test).
2. Complete the Pregnancy Report Part A as fully as possible. Send the form within 24 hours of receipt of the information to the Safety e-mail listed above (and in Section 7.2.4.2.3).
3. Monitor and record the progress of the pregnancy until its outcome. If necessary and approved by the subject or their legal health care representative, contact the subject's regular physician (general practitioner or gynecologist) or hospital staff to obtain further details and ask for regular follow up information.
4. At the outcome of the pregnancy, complete the Pregnancy Report Part B. For all the additional evaluations, send the follow-up information to the Safety e-mail within 24 hours of receipt of the information. If the subject can no longer be reached (lost to follow-up), documentation of the non-response/contact with two phone calls and a letter (certified with return receipt) is required.
5. If the pregnancy leads to an abortion (voluntary abortion, spontaneous abortion or therapeutic abortion), *in utero* death or congenital anomaly, follow the procedure for declaration of an SAE (see Section 7.2.4.2.2).

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7.3 Other Assessments

7.3.1 Photography

Standardized digital photographs will be taken of the subject's glabellar region and the full face at baseline (prior to treatment) and at each post-treatment visit.

Each investigator (or designee) will take photographs using identical camera equipment, conditions, and settings. Detailed instructions for photography will be provided in a separate study manual.

7.3.2 Pregnancy Test

For females of childbearing potential, a urine pregnancy test will be performed prior to treatment at screening, baseline (prior to treatment) and Month 12/ET. A negative pregnancy test is required for study inclusion. The result will be documented.

7.4 Appropriateness of Measurements

The efficacy and safety measurements used in this study are considered standard measurements, and are generally recognized as reliable, accurate, and relevant.

8. CLINICAL STUDY VISITS DESCRIPTIONS AND PROCEDURES

8.1 Description of Clinical Study Visits

Please refer to the Schedule of Assessments [Table 2](#).

A written, signed ICF (inclusive of Health Insurance Portability and Accountability Act of 1996 [HIPAA], and photo and video consent) must be obtained prior to performing any clinical study-related evaluations and/or procedures. The subject must be provided with a fully completed, dated and signed copy.

8.1.1 Screening/Visit 1 (-14 days to Day 0)

The screening and baseline visits may be performed on the same day; however, a maximum of 14 days is allowed between the screening and baseline visits.

At the screening visit, the investigator or designee will:

1. Review and explain the nature of the study to the subject, particularly the prohibited activities and constraints (e.g., restrictions for other aesthetic treatments and the use of topical and systemic medications, see Section [5.4.5](#)).
2. Obtain the signed and dated ICF (inclusive of HIPAA, and photo and video consent); provide a fully completed dated and signed copy to the subject.
3. Collect information regarding demographics (i.e., date of birth, gender, race, ethnicity, height, and weight), Fitzpatrick skin type, relevant medical history and concurrent diseases, previous facial treatments/procedures, previous medications and procedures, and concomitant medications and procedures (see [Table 2](#)).

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4. **CCI** [REDACTED]
(Section 7.1.7).

5. **CCI** [REDACTED]
Section 7.1.8 and Appendix 5).

6. Investigator to perform a focused physical examination (FPE) (Appendix 7). Record abnormal findings as medical history. Clinically significant abnormal findings are exclusionary; document as screen fail and do not enroll the subject in the study.

7. If the subject is a female of childbearing potential, collect urine for urine pregnancy test (UPT) and complete pregnancy test. Document the result. A negative result is required for study inclusion.

8. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).

9. Record any AEs on the eCRF. AEs will be collected starting from the time of informed consent signature.

10. Review the inclusion/exclusion criteria (Section 5.2.1 and 5.2.2), and confirm if subject meets study eligibility requirements.

- If yes, schedule the baseline visit.
- If no, document the subject as a screen failure.

11. For all subjects, enter the subject information into the eCRF; a SIN will be assigned via the eCRF system.

8.1.2 Baseline/Visit 2 (Day 0)

If the screening and baseline visits are performed as on same day, only perform study assessments once (i.e., AE, concomitant therapies/procedures, UPT, **CCI** [REDACTED], FPE, vital signs, inclusion/exclusion review). A maximum of 14 days is allowed between the screening and baseline visits.

At the baseline visit, the investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as "Have you noticed any change in your health since the last visit?" Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. **CCI** [REDACTED]
(Section 7.1.7).

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4. Investigator to complete assessment of the subject's glabellar line severity at maximum frown using the **CCI** [REDACTED] (Section 7.1.8 and [Appendix 5](#)).
5. Investigator to perform a FPE ([Appendix 7](#)). Record abnormal findings as medical history. Clinically significant abnormal findings are exclusionary; document as screen fail and do not enroll the subject in the study.
6. If the subject is a female of childbearing potential, collect urine for UPT and complete pregnancy test (see laboratory manual for additional procedures). Document the result. A negative result is required for study inclusion.
7. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).
8. Review the inclusion/exclusion criteria (Section 5.2.1 and [5.2.2](#)), and confirm if subject meets study eligibility requirements.
 - If yes, enroll/randomize the subject in the clinical study. Proceed to next steps.
 - If no, document the subject as a screen failure.
9. For all subjects, enter appropriate data into the eCRF; the SIN should have been assigned via the eCRF system at the screening visit.
10. For subjects who meet all eligibility requirements, the investigator or designee will receive notification of the subject's kit number/randomization assignment once all required data is entered into the eCRF. The investigator or designee should prepare the assigned treatment accordingly and complete the required documentation and eCRF (Section 6.1.7).
11. **CCI** [REDACTED] ([Appendix 1](#)).
12. **CCI** [REDACTED] ([Appendix 2](#)).
13. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
14. **CCI** [REDACTED].
15. Collect blood sample for neutralizing antibody testing (Section 7.2.3).
16. Prior to injection, clean the subject's treatment area with a suitable antiseptic solution.
17. The investigator will administer the assigned treatment. See Section 6.1.7.1 for injection technique and treatment procedure requirements. Following treatment administration, subjects will be monitored at the study center for 30 minutes (Section 6.1.7.2).

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18. **CCI** [REDACTED] (Appendix 3).
19. **CCI** [REDACTED] (Appendix 6).
20. Obtain the subject's post-treatment vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).
21. Dispense the subject diary, and instruct the subject on proper completion.
22. Ask the subject about AEs using an open-ended question. Record all events, as appropriate, on the corresponding eCRF form(s).
23. Record post-treatment concomitant therapies/procedures.
24. Schedule the next visit (Day 1).

8.1.3 Days 1, 2, 3/Visits 3, 4, 5

The investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as "Have you noticed any change in your health since the last visit?" Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
4. **CCI** [REDACTED]
5. **CCI** [REDACTED] (Section 7.1.7).
6. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section 7.1.1).
7. **CCI** [REDACTED] (Appendix 1).
8. Only applicable for Day 1 and 3: **CCI** [REDACTED] (Appendix 4).
9. Only applicable for Day 3: **CCI** [REDACTED] (Appendix 3).

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10. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).
11. **CCI** Section 7.1.8 and Appendix 5).
12. Investigator to perform a FPE (Appendix 7).
13. Schedule the next day visit (Day 2 and Day 3).

8.1.4 Day 4/Visit 6

The investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as "Have you noticed any change in your health since the last visit?" Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
4. **CCI** [REDACTED]
5. **CCI** (Section 7.1.7).
6. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section 7.1.1).
7. **CCI** (Appendix 1).
8. **CCI** (Appendix 2).
9. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).
10. **CCI** (Section 7.1.8 and Appendix 5).
11. Investigator to perform a FPE (Appendix 7).
12. Schedule the next visit (Month 1/Visit 7).

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8.1.5 Month 1/Visit 7 (\pm 5 days)

The investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as “Have you noticed any change in your health since the last visit?” Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. Collect the subject’s diary and review for completion.
4. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
5. **CCI**
[REDACTED]
6. Collect blood sample for neutralizing antibody testing (Section [7.2.3](#)).
7. **CCI**
[REDACTED]
 (Section [7.1.7](#)).
8. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section [7.1.1](#)).
9. **CCI**
[REDACTED] ([Appendix 1](#)).
10. **CCI**
[REDACTED] ([Appendix 2](#)).
11. **CCI**
[REDACTED] ([Appendix 3](#)).
12. **CCI**
[REDACTED] ([Appendix 4](#)).
13. Obtain the subject’s vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section [7.2.2](#)).
14. **CCI**
[REDACTED] ([Section 7.1.8](#) and [Appendix 5](#)).
15. Investigator to perform a FPE ([Appendix 7](#)).
16. **CCI**
[REDACTED] ([Appendix 6](#)).
17. Schedule the next visit (Month 3/Visit 8).

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8.1.6 Month 3/Visit 8 (\pm 5 days)

The investigator or designee will:

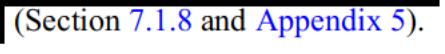
1. Ask the subject about AEs using an open-ended question, such as “Have you noticed any change in your health since the last visit?” Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
4. **CCI**

5. **CCI**


(Section [7.1.7](#)).
6. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section [7.1.1](#)).
7. **CCI**


(Appendix 1).
8. **CCI**


(Appendix 3).
9. **CCI**


(Appendix 4).
10. Obtain the subject’s vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section [7.2.2](#)).
11. **CCI**


(Section [7.1.8](#) and [Appendix 5](#)).
12. Investigator to perform a FPE ([Appendix 7](#)).
13. Schedule the next visit (Month 6/Visit 9).

8.1.7 Month 6/Visit 9 (\pm 5 days)

The investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as “Have you noticed any change in your health since the last visit?” Record all events, as appropriate.

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2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
4. **CCI**
[REDACTED]
5. Collect blood sample for neutralizing antibody testing (Section [7.2.3](#)).
6. **CCI**
[REDACTED]
(Section [7.1.7](#)).
7. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section [7.1.1](#)).
8. **CCI**
[REDACTED]
(Appendix 1).
9. **CCI**
[REDACTED]
(Appendix 2).
10. **CCI**
[REDACTED]
(Appendix 3).
11. **CCI**
[REDACTED]
(Appendix 4).
12. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section [7.2.2](#)).
13. **CCI**
[REDACTED]
(Section [7.1.8](#) and [Appendix 5](#)).
14. Investigator to perform a FPE ([Appendix 7](#)).
15. Schedule the next visit (Month 7/Visit 10).

8.1.8 Months 7-11/Visits 10-14 (\pm 5 days)

The investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as "Have you noticed any change in your health since the last visit?" Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.

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3. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.
4. **CCI**
XXXXXXXXXX
5. **CCI**
XXXXXXXXXX
 (Section 7.1.7).
6. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section 7.1.1).
7. **CCI**
XXXXXXXXXX (Appendix 1).
8. Only applicable for Month 9: **CCI**
XXXXXXXXXX (Appendix 2).
9. Only applicable for Month 9: **CCI**
XXXXXXXXXX (Appendix 3).
10. Only applicable for Month 9: **CCI**
XXXXXXXXXX (Appendix 4).
11. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).
12. **CCI**
XXXXXXXXXX (Section 7.1.8 and Appendix 5).
13. Investigator to perform a FPE (Appendix 7).
14. Schedule the next monthly visit.

8.1.9 Month 12 or Early Termination/Visit 15 (± 5 days)

The investigator or designee will:

1. Ask the subject about AEs using an open-ended question, such as "Have you noticed any change in your health since the last visit?" Record all events, as appropriate.
2. Ask the subject about any changes in his/her concomitant therapies/procedures (added, removed or changed) since the previous visit. Record all changes.
3. If the subject is a female of childbearing potential, collect urine for UPT and complete pregnancy test. Document the result.
4. Take subject photographs (refer to photo manual for complete instructions). If the subject is wearing make-up, instruct the subject to remove it prior to taking photographs.

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5. CCI [REDACTED]
6. CCI [REDACTED]
(Section 7.1.7).
7. Review GAIS completion instructions with the subject. Subject to complete the GAIS (Section 7.1.1).
8. CCI [REDACTED] (Appendix 1).
9. CCI [REDACTED] (Appendix 2).
10. CCI [REDACTED] (Appendix 3).
11. CCI [REDACTED] (Appendix 4).
12. Obtain the subject's vital signs (blood pressure, heart rate, and respiratory rate). Vital signs are to be taken seated after 10 minutes rest (Section 7.2.2).
13. CCI [REDACTED] (Section 7.1.8 and Appendix 5).
14. Investigator to perform a FPE (Appendix 7).
15. Exit the subject from the study.

8.2 Unscheduled Visits

When necessary, unscheduled visits may be conducted, in particular if an AE occurs and needs to be assessed and/or treated.

8.3 Subject Instructions

Subjects will be instructed to complete a diary card daily, Day 0 through Day 7, following treatment with study product, and return the diary to the study center at their Month 1 visit.

Subjects will be advised that any facial make-up will need to be removed before taking study photographs.

Subjects will also be advised of post-treatment care instructions as outlined in Section 6.1.7.2.

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9. STATISTICAL METHODS PLANNED

9.1 Statistical and Analytical Plans

A Statistical Analysis Plan (SAP) will be developed as a separate document. The SAP will contain a more detailed and technical description of specific data conventions, calculations and of statistical procedures for executing the analyses that are specified in the sections of the clinical study protocol below. The SAP will be finalized prior to database lock.

Any change made to the finalized SAP will be documented in the Clinical Study Report (CSR).

9.1.1 Data Transformations

Rasch transformed total **CCI** scores will be used according to the **CCI** manuals and Rasch transformed total **CCI** scores will be used according to the **CCI** manual.

9.1.2 Populations Analyzed and Evaluability

The statistical analyses will be performed based on the following subject populations.

9.1.2.1 *Intent-to-treat (ITT) Efficacy Population*

The intention-to-treat (ITT) population includes all subjects who are randomized and dispensed the investigational product, and will be analyzed according to the randomization scheme. The ITT population will be the primary population used for efficacy analysis.

9.1.2.2 *Per-protocol (PP) Efficacy Population*

The per protocol (PP) population is a subset of the ITT subjects who complete the Month 1 visit and have no protocol deviations that are considered to have a substantial impact on the primary efficacy outcome.

9.1.2.3 *Safety Population*

The safety population includes all subjects who were administered the study product, and will be analyzed according to as-treated principle. All safety data will be summarized descriptively based on the safety population

9.1.2.4 *Imputation of Missing Data*

The Observed Cases (OC) will be used for all safety analyses as well as the secondary efficacy analyses. The primary analysis will be repeated using multiple imputation as well as observed cases. If deemed necessary, any analyses may be repeated using OC, 'No Change' imputation, baseline observation carried forward (BOCF), or MI as appropriate.

9.1.3 Data Presentation and Graphics

All statistical analyses, including summary tables and data listings, will be performed using the SAS® system (version 9.4 or higher).

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All efficacy, safety and baseline characteristics variables will be presented using descriptive statistics within each treatment group, and graphs as appropriate. Continuous data will be summarized using n (number of observations), mean, standard deviation, median, minimum and maximum value, while categorical data will be presented by n and percentages. All data will also be listed in subject data listings.

Subject disposition, completion and discontinuation by study visit, protocol deviations, demographics and baseline characteristics, medical history, medical and surgical procedures, prior and concomitant medications, will be summarized by treatment group.

For analysis of duration of response and time to onset of treatment response, Kaplan-Meier methods will be used, including Kaplan-Meier plots and estimates of the median event.

9.1.3.1 Safety Analysis

All treatment related TEAEs by maximum intensity, treatment unrelated TEAEs by maximum intensity, treatment emergent SAEs by causality and maximum intensity, and action taken of treatment related TEAEs will be summarized by system organ class (SOC) and preferred term (PT) including number of subjects with at least one event, percentages, and number of events. All related TEAEs will also be summarized by time to onset and duration. In addition, a short summary of the analysis of TEAEs will be provided. AEs occurring before treatment will only be provided in subject data listings.

Data for vital signs will be summarized by descriptive statistics with the value at each visit as well as the change from baseline. The number and percentage of subjects with normal/abnormal results in physical examination will be presented by visit and treatment. A shift table will be created to present any change from baseline in normal/abnormal results in physical examination across the study visits for each treatment group. The results of the urine pregnancy tests will be listed.

All AEs will be monitored by the Sponsor to determine if they meet the criteria of remote spread of effect of the toxin or hypersensitivity. A list of preferred terms for these types of events will be referenced to in the DMP and will be further analyzed to determine if there is a plausible possibility that they represent remote spread of toxin or hypersensitivity. In order to perform the analysis, variables including alternative etiology (medical history, concomitant medication, or diagnosis which could account for the symptoms), location of QM1114-DP administration, and temporal relationship to QM1114-DP administration will be considered by the Sponsor.

9.1.4 Withdrawals and Deviations

All withdrawn subjects will be listed individually, including at least subject number, date and reason for withdrawal, and last visit performed.

Subjects with clinical study protocol (CSP) deviations will be listed individually, including subject number and observed deviation. They will also be summarized by study center and in total (by treatment group and overall). Depending on the seriousness of the deviation, the subject might be excluded from the PP population, which shall be documented prior to database lock.

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9.1.5 Inferential Statistical Analyses

The primary efficacy endpoint will be a responder rate based on the subject GAIS at Month 1. A responder is defined as a subject who responds at least “Improved” on the GAIS at maximum frown. The null hypothesis of no relationship between treatment and responder rate will be tested against the alternative hypothesis that there is a relationship between treatment and responder rate. The responder rates of the QM1114-DP and placebo will be compared using a Cochran-Mantel-Haenszel test, stratified by site, at 5% significance level (2-sided) based on the ITT population. Missing Month 1 GAIS data will be imputed with ‘No Change’. For consistency across strata (site), the Breslow-Day test will be used to assess the homogeneity of the odds ratios across all sites. Depending on the number of sites, pooling of sites may be needed.

For the primary efficacy endpoint, consistency of the results will be analyzed using Cochran-Mantel-Haenszel test stratified by gender, baseline ILA, prior use of botulinum toxin, and Fitzpatrick skin type, respectively.

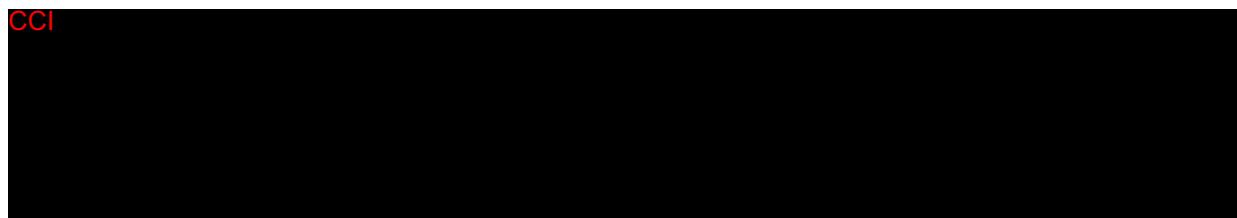
All other efficacy and safety endpoints will be analyzed descriptively as appropriate.

9.2 Sample Size Determination

The study is planned to enroll approximately 120 subjects who will be treated with either 50 U of QM1114-DP (90 subjects) or placebo (30 subjects).

9.2.1 Historical Data

CCI



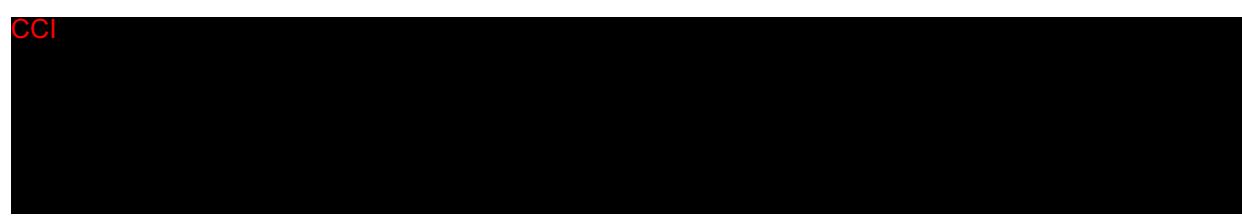
9.2.2 Assumptions

CCI



9.2.3 Sample Size Calculation

CCI



9.2.4 Interim Analysis

Not applicable. An interim analysis is not planned for this study.

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10. TRAINING / MONITORING / DATA MANAGEMENT / QUALITY ASSURANCE

10.1 Personnel Training

Investigators and other responsible persons should be listed together with their function on the signature and delegation log. Study staff shall provide a curriculum vitae or equivalent, as appropriate.

It is the responsibility of the principal investigator (PI) to ensure that all personnel involved in the study are fully informed of all relevant aspects of the study, including detailed knowledge of and documented training in all procedures to be followed.

10.2 Clinical Monitoring

The conduct of the clinical study will be closely monitored by representatives of the sponsor to verify adherence to the clinical study protocol, International Council for Harmonisation Good Clinical Practice (ICH-GCP) guidelines, and applicable standard operating procedures (SOPs).

The investigator will allow the CRO/sponsor's representatives, to have direct access to all clinical study records, eCRFs, corresponding subject medical records, study product(s) dispensing records, and any other documents considered source documentation. Additionally, the CRO/sponsor representative is to have access to the study product storage area and clinical study facilities.

The investigator also agrees to assist the representative if required.

10.3 Data Management

Data management based on GCP refers to the activities defined to achieve safe routines to enter clinical data information into a database, efficiently and avoiding errors. The data management routine includes procedures for database set-up and management, data entry and verification, data validation, and documentation of the performed activities including information of discrepancies in the process. The data management process will be described in detail in the data management plan (DMP).

The database, the data entry screens and program will be designed in accordance with the CSP and eCRF template. Data validation will be performed by computerized logical checks and manual review. Drugs and events will be coded in accordance with World Health Organization (WHO) Drug and medical dictionary for regulatory activities (MedDRA) dictionaries as specified in the DMP. Safety data (SAE) in the clinical database will be reconciled against the data in the safety database.

When all efforts have been made to ensure that the data recorded in the eCRFs and entered in the database is as correct and complete as possible, the clinical database will be locked. Study data will be transferred to SAS datasets, which thereafter will be write-protected. Statistical analyses will be generated in SAS using data from the locked datasets.

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10.4 Quality Assurance/Audit/Inspection

The clinical study is conducted under the sponsorship of the sponsor in compliance with the applicable international and local regulatory requirements as well as applicable ICH guidelines and in accordance with the Standard Operation Procedures (SOPs) for clinical study conduct and monitoring from the sponsor and/or the CRO.

Audits of clinical study centers may be conducted by the sponsor/CRO representatives, and inspection may be performed by Regulatory Authority inspectorates or IRBs before, during, or after the clinical study.

The investigator will allow and assist the CRO/sponsor's representatives, IRBs and any regulatory agency to have direct access to all requested clinical study-related records.

For the audits performed by, or on behalf of, the sponsor auditors, audit certificate(s) will be provided by Quality Assurance.

10.5 Changes in Clinical Study Conduct/Amendments

10.5.1 Clinical Study Conduct

With the exception of eliminating an immediate hazard to a subject, the investigator should not deviate from the clinical study protocol or implement any changes without written approval from the sponsor and prior review and documented approval/favorable opinion from the IRB of a protocol amendment.

Changes that involve only logistical or administrative changes to the clinical study protocol are authorized. The investigator should document and explain any deviation from the clinical study protocol.

10.5.2 Amendments

The sponsor may modify the clinical study protocol at any time for ethical, medical, or scientific reasons. Any amendments will be handled according to applicable local regulations.

The sponsor does not have to notify non-substantial amendments to the competent authorities. However, non-substantial amendments should be recorded and detailed in subsequent submissions e.g., in the subsequent notification of a substantial amendment.

11. ETHICS AND GENERAL CLINICAL STUDY CONDUCT CONSIDERATIONS

11.1 Institutional Review Board

This clinical study protocol and all applicable amendments will be reviewed and approved by the appropriate IRBs.

11.2 Ethical Conduct of the Clinical Study

This clinical study will be conducted in accordance with the protocol, the HELSINKI declaration (1964) and subsequent amendments, and the ICH GCP, and in compliance with applicable regulatory requirements.

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11.3 Subject Information and Consent

All subjects who participate in this clinical study are required to be fully informed about the clinical study in accordance with GCPs guidelines, federal regulations, HIPAA, and guidelines and in accordance with local requirements.

The ICF (inclusive of HIPPA, and photo and video consent), approved by an IRB will be fully explained to the subject. The subject must agree to photo consent in order to participate in the clinical study.

Prior to enrollment into the clinical study, the subject and the PI or designee must sign and date the consent form(s). The investigator is responsible for maintaining each subject's consent form(s) in the investigator's site file and providing each subject with a copy of the signed and dated consent form(s).

11.4 Protection of Personal Data

The completion of the study involves the gathering and processing of Personal Data as specified in the Regulation (European Union (EU)) 2016/679 on the protection of individuals with regard to the processing of personal data and on the free movement of such data. For the purposes of the study, sponsor will be considered the Data Controller, and PI and institution will both be considered Data Processors.

All processing of Personal Data must be carried out in accordance with national legislation concerning the protection of Personal Data. The institution and PI are responsible for complying with all requirements pursuant to national legislation in the country in which the institution and PI are located.

The PI understands that clinical studies conducted under an Investigational New Drug (IND) application are exempt from the study subject identifier confidentiality provisions of HIPAA, as provided at Code of Federal Regulations (CFR) § 512(b)(iii), and the study subject should be made aware of this exception in the informed consent. The sponsor shall, to the extent feasible, protect study subject identifier information.

The institution and PI are jointly responsible for obtaining the appropriate informed consent of each subject for the processing of Personal Data required in order to complete the study. Such consent shall include the consent to the transfer of Personal Data to government authorities located in countries outside the US.

The institution and PI are jointly responsible for providing sufficient information to all subjects to enable them to give their informed consent not only to the participation in the study, but also to the processing of Personal Data. Such information includes information regarding the purposes of the processing, the length of time during which Personal Data will be stored, the right of access to stored Personal Data and the right to correction or purging of incorrect or obsolete Personal Data. A subject may also withdraw his or her consent at any time during or after the study. A subject who withdraws his or her consent to the processing of Personal Data must be considered to have withdrawn from the study but the data collected until the consent was withdrawn may be used in the statistical analyses or to comply with legal or administrative requirements.

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All collection, processing and analyses of protected health information, personal data or similar will be conducted in compliance with applicable local, national and international rules, regulations and guidelines.

11.5 Contractual Requirements

A contractual agreement will be signed between the CRO/sponsor and each investigator/institution. This document will contain supplementary information, including financial terms, confidentiality, the clinical study schedule, third party responsibility, and publication rights.

11.6 Data Collection and Archiving

11.6.1 Data Collection

The investigator must maintain all required records for all subjects. Data for this clinical study will be recorded in the subject's source documents and in the eCRFs provided by the sponsor. All data should be recorded in the eCRFs completely and promptly.

11.6.2 Source Documentation

The investigator must keep accurate separate records (other than the eCRFs) of all subject visits, being sure to include all pertinent clinical study-related information. A statement should be made indicating that the subjects have been included in this clinical study and have provided signed written Informed Consent. All AEs must be thoroughly documented.

Results of any diagnostic tests conducted during the clinical study should also be included in the source documentation.

11.6.3 Archives

All pertinent data, samples, photographs, correspondence, and reports, the original or amended clinical study protocol, and all other material relating to the clinical study will be maintained securely in sponsor/CRO/investigator/institution archives for the legally required duration for archiving.

The investigator/institution should maintain the essential clinical study documents as specified in Section 8 of ICH-GCP, and according to the applicable regulatory requirements.

The investigator/institution should take measures to prevent accidental or premature destruction of these documents.

If the PI retires, relocates, or withdraws from the responsibility of keeping the clinical study records for any other reasons, custody must be transferred to a person who will accept the responsibility. The sponsor/CRO must be notified in writing of the name and address of the new custodian.

11.7 Insurance

A certificate attesting Third Party coverage of CRO/sponsor will be provided upon request.

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11.8 Publication Policy

The institution/PI's and the sponsor's obligations regarding intellectual property rights, confidentiality, and publications are described in detail in the clinical trial agreement (CTA).

The aim is to submit the results of this study for publication in a public database (e.g., www.ClinicalTrials.gov) and to a medical journal for publication of the results. Everyone who is to be listed as an author of the results of this multicenter study shall have made a substantial, direct, intellectual contribution to the work. Authorship will be based on (1) substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; and (2) drafting the work or revising it critically for important intellectual content; and (3) final approval of the version to be published; and (4) agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.^a Conditions 1, 2, 3, and 4 must all be met in order to be designated as author. Those who do not meet all four criteria will be acknowledged. Among the authors that fulfil the above mentioned criteria, one author will be appointed by the sponsor to take primary responsibility for the overall work as primary author.

^a Defining the role of authors and contributors, compiled by the International Committee of Medical Journal Editors (ICMJE) (<http://www.icmje.org>).

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11.9 Investigator and Administrative Structure

Role	Contact Information
Sponsor Contact:	PPD Galderma Research and Development, LLC 14501 North Freeway Fort Worth, TX 76177 Phone: PPD E-mail: PPD
Medical Monitor:	PPD Phone: PPD E-mail: PPD
Safety e-mail for SAE, Pregnancy Reporting, and PQC:	E-mail: CCI
CRO:	CCI

	Title 43QM2106 Clinical Study Protocol – QM1114 – GL	Doc id MA-49290
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12. LITERATURE REFERENCE LIST

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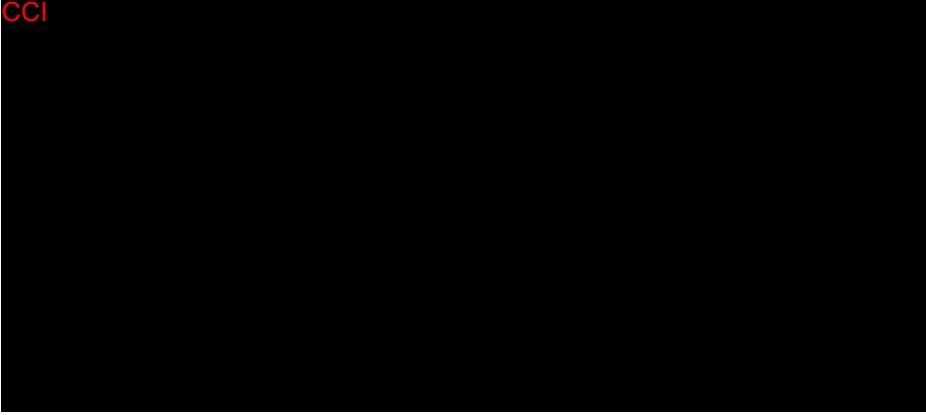
13. SUMMARY OF CHANGES

Section in the clinical study protocol	Rational for changes	Description of changes (<i>Minor corrections and editorial changes are not listed below</i>)
7.1.2 Subject Diary Card	Addition of missing text to correct diary question.	“ <i>Since being injected have you noticed an improvement in the appearance of your glabellar lines (lines between your eyebrows) <u>when you frown?</u>”</i>

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14. APPENDICES

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[Appendix 7:](#) Focused Physical Examination Form Example

[Appendix 8:](#) Adverse Events Potentially Suggestive of Remote Spread of Toxin

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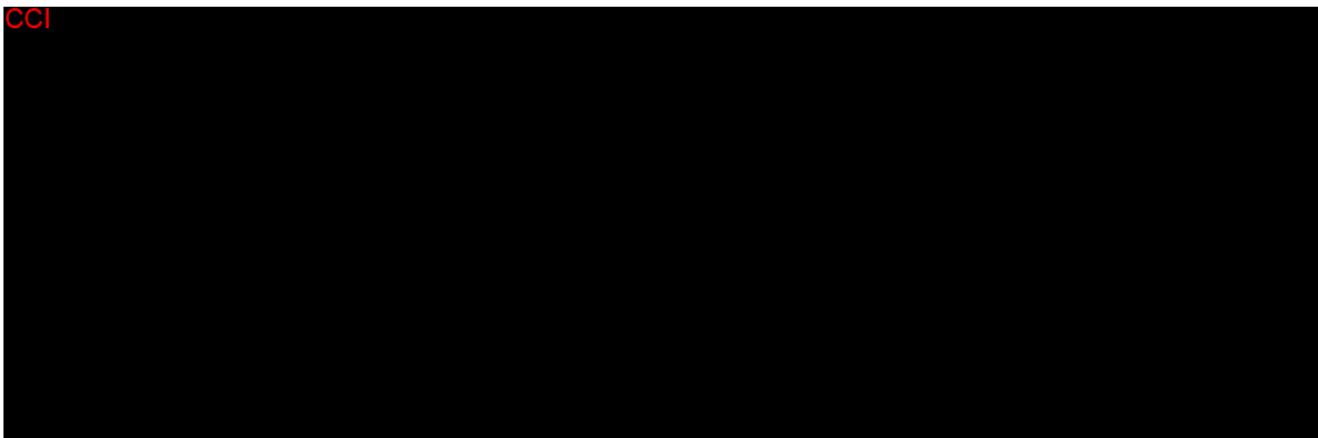
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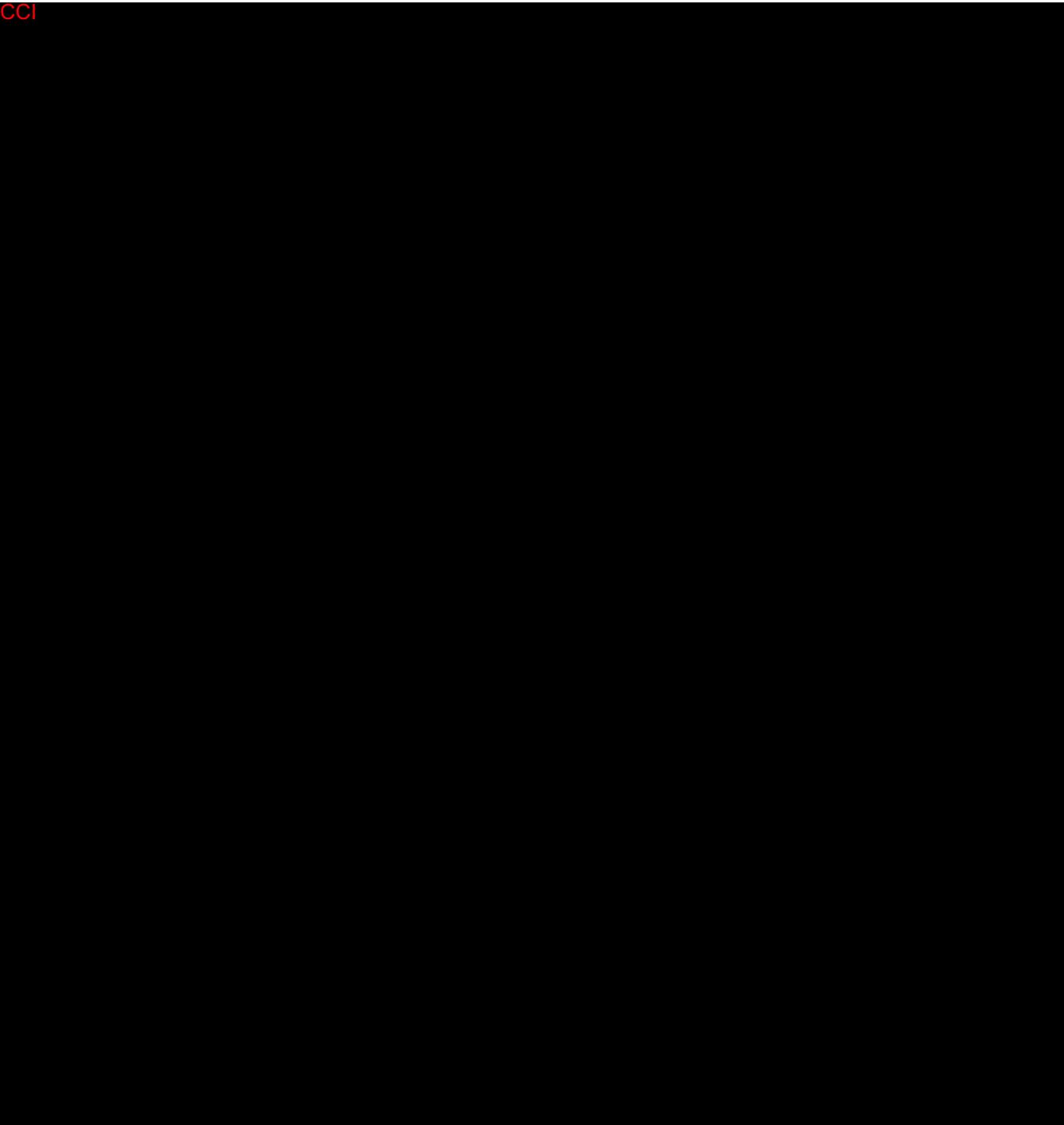


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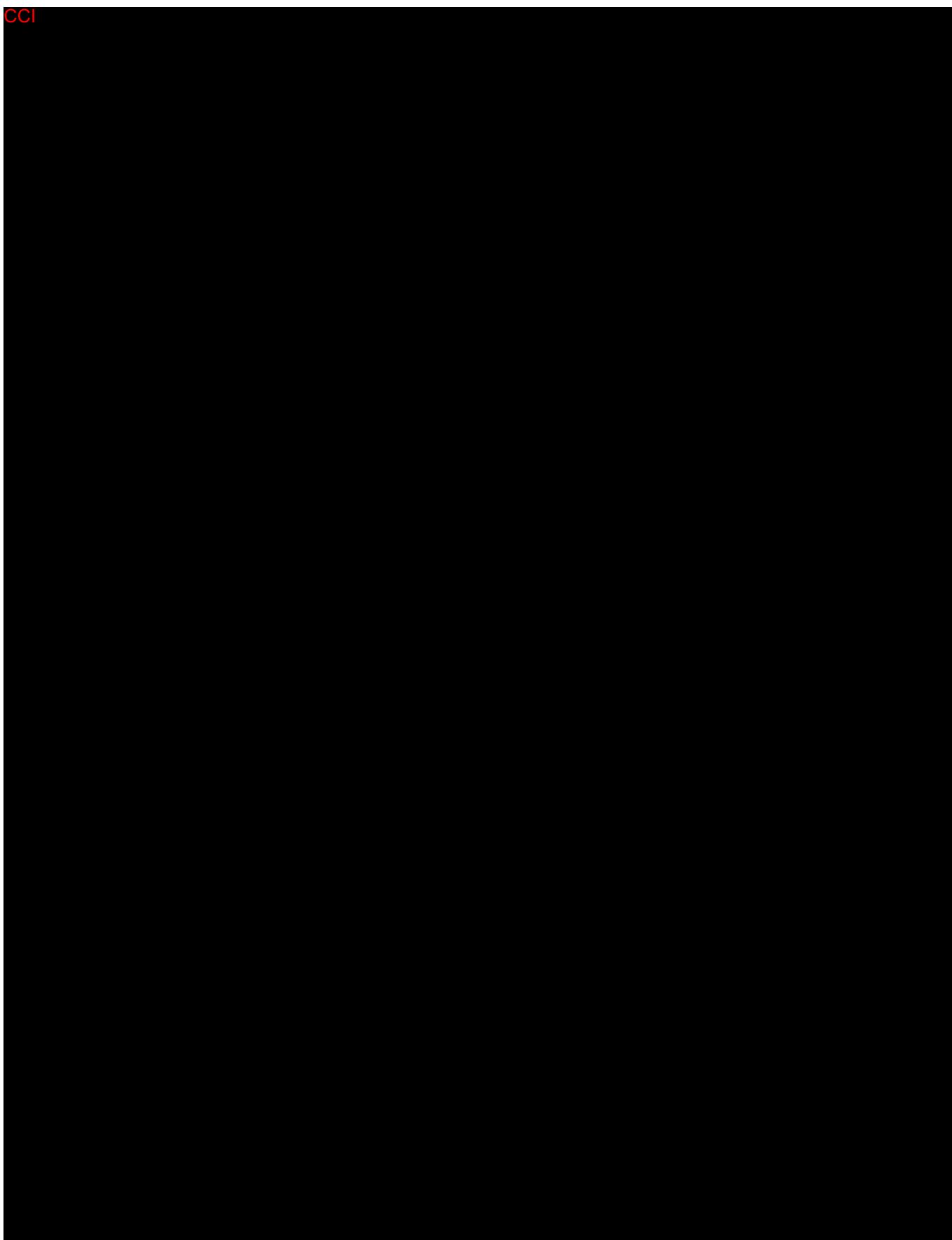


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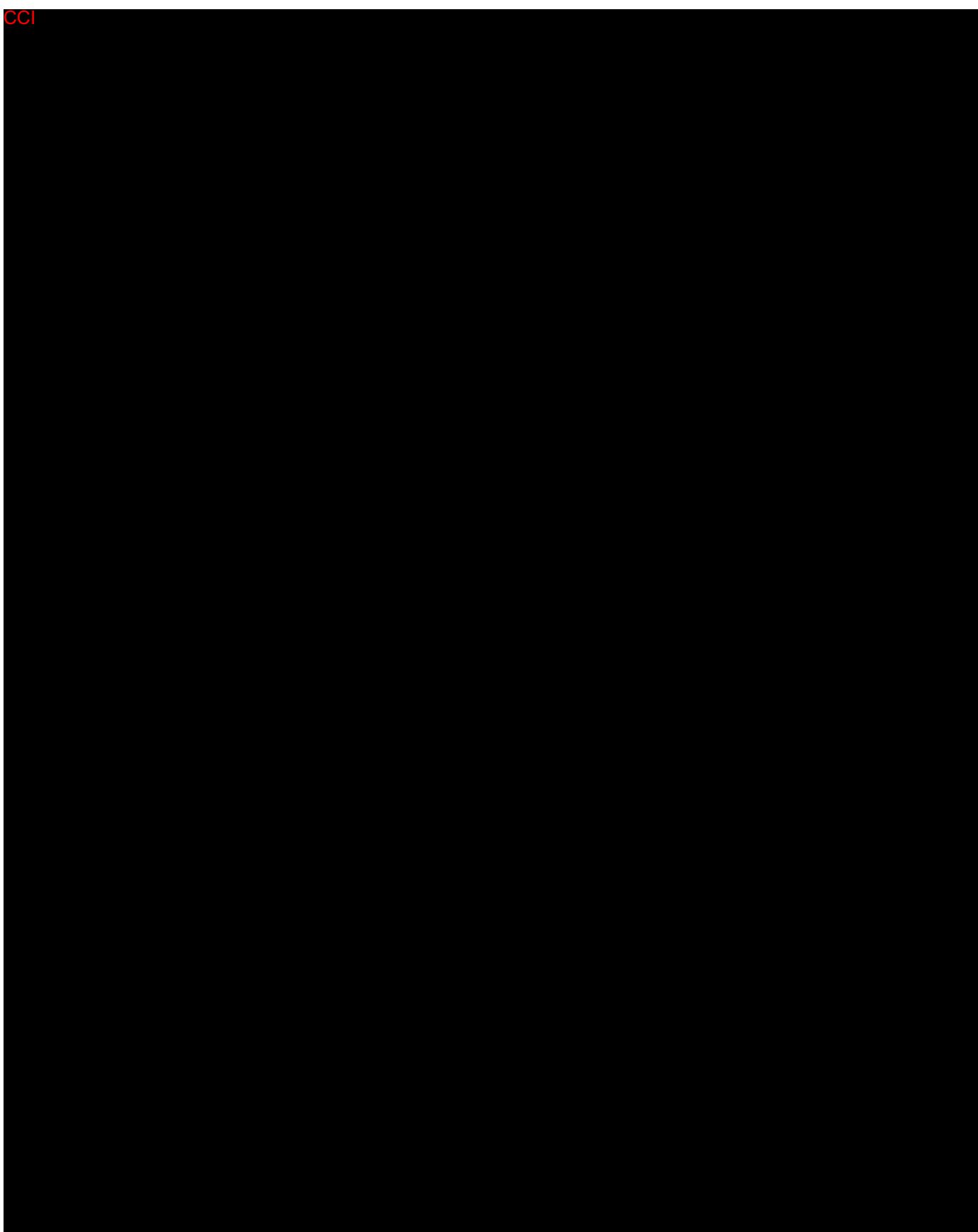


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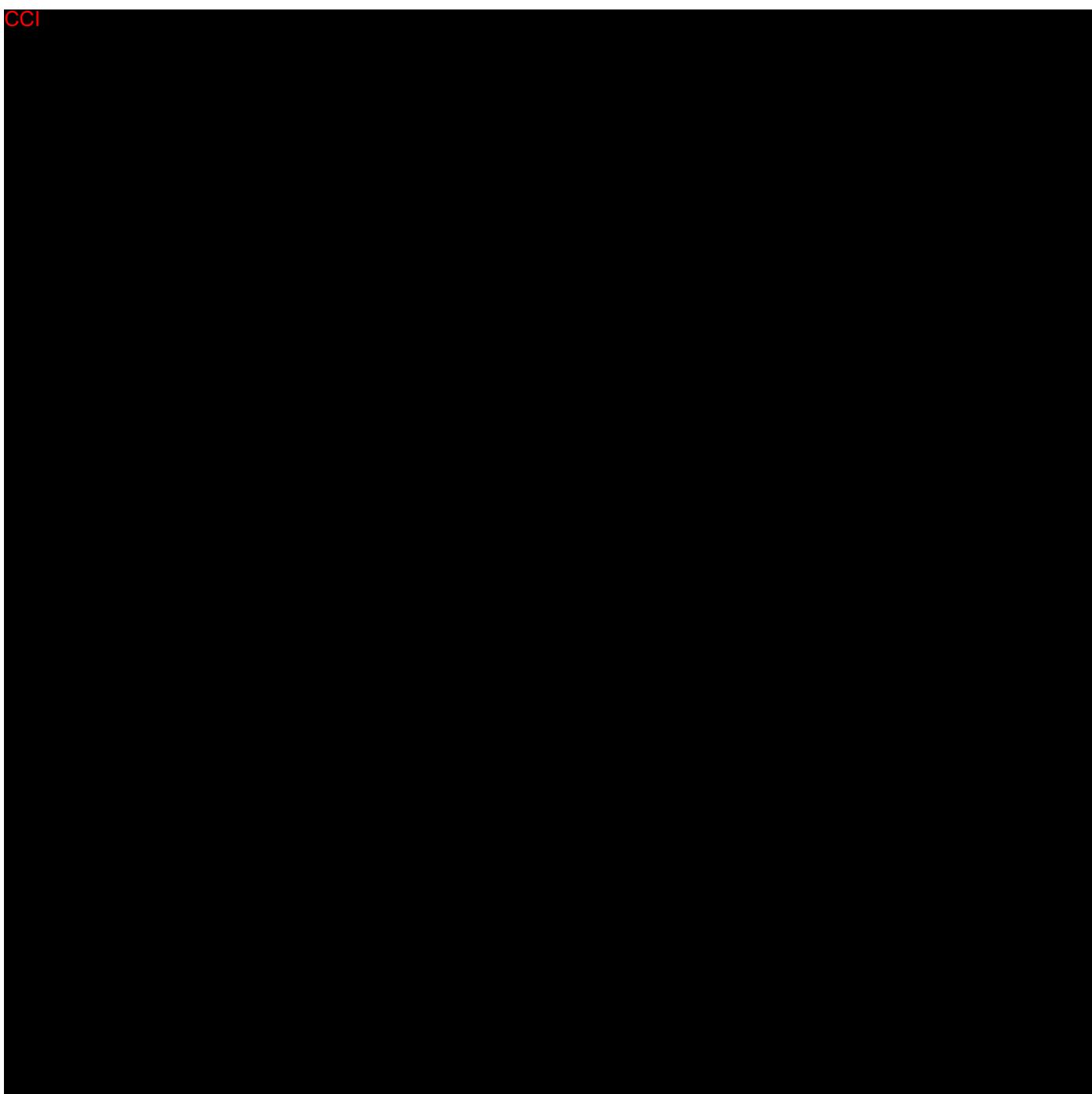


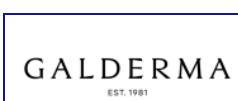
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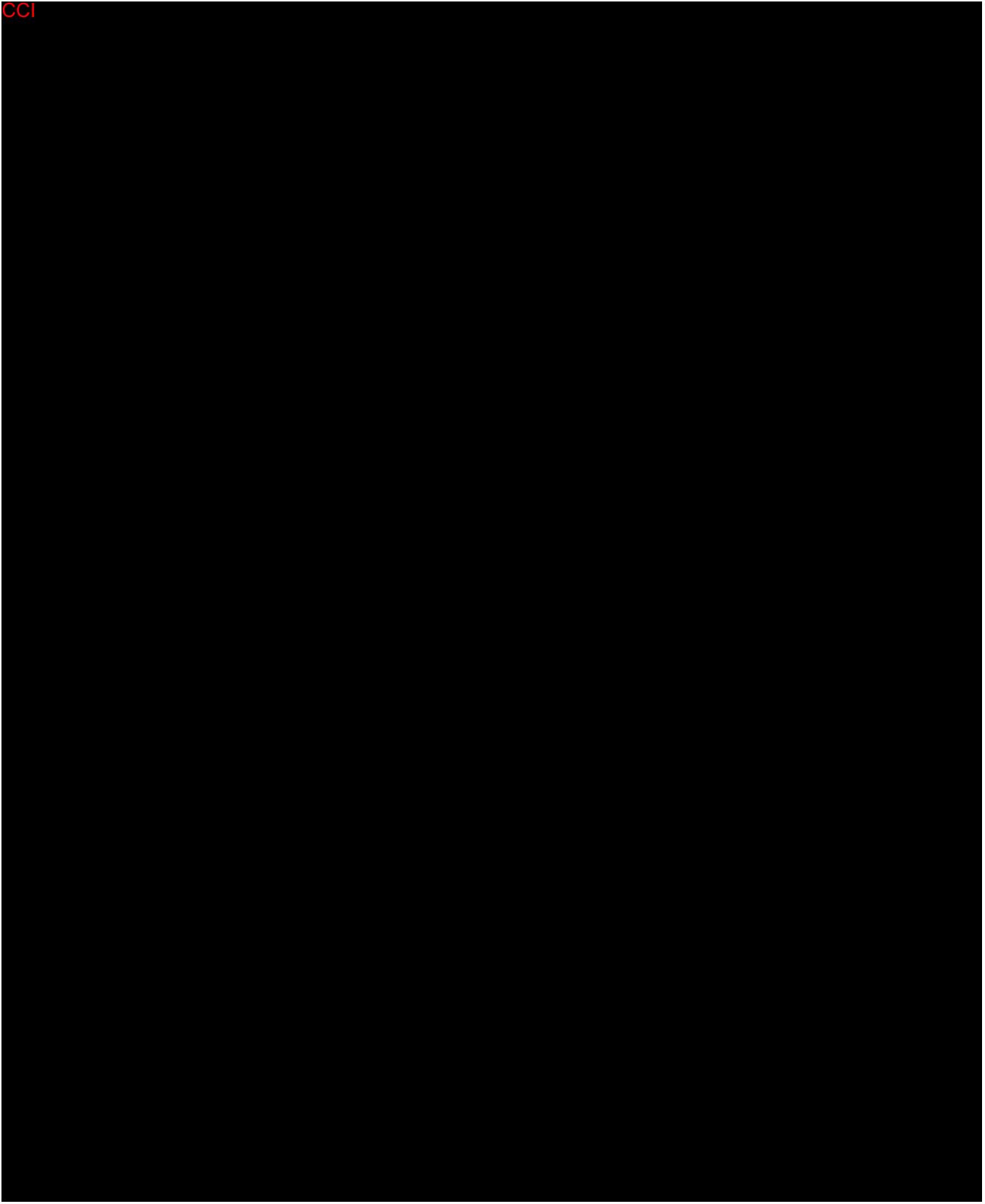


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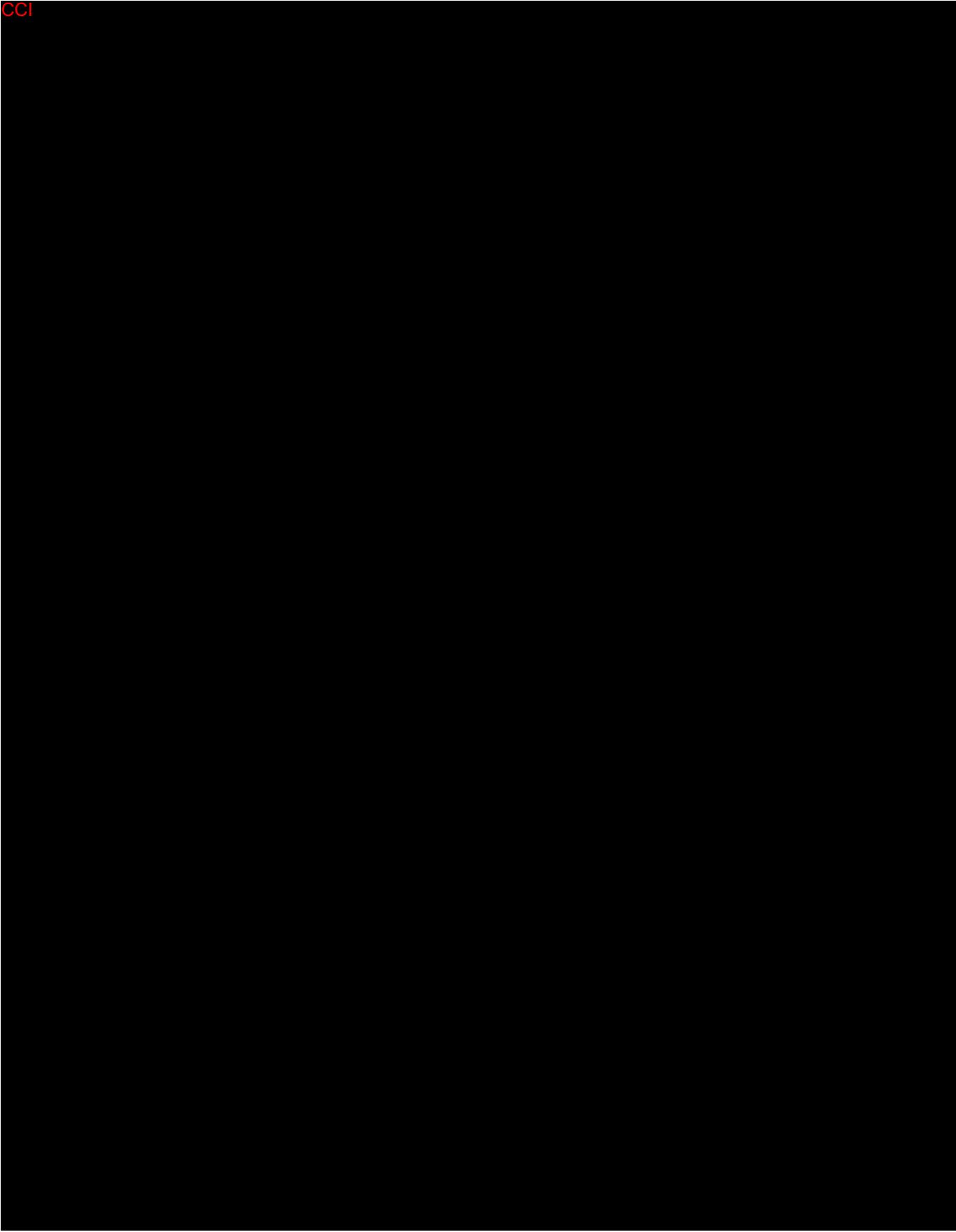


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Appendix 7 Focused Physical Examination Form Example

Not done

Provide details: _____

General Health Assessment: Complete at Screening, Baseline (prior to treatment), and all post-treatment visits.

Question the subject about their general health (general wellbeing/ bodily functions, e.g., arms, legs, stomach/ bladder/ bowel, also refer to the list of Adverse Events Potentially Suggestive of Distant Spread of Toxin ([Appendix 8](#)). Clinically significant abnormalities noted pre-injection should be recorded as medical history and Investigator should confirm if any abnormalities affect subject eligibility. Clinically significant abnormalities noted post-injection should be documented as AEs.

Next, proceed to the Focused Physical Examination (Part 1 and 2) as indicated below.

Part 1: Complete at Screening, Baseline (prior to treatment), and all post-treatment visits.

Please perform a targeted examination of the face, head, and neck recording abnormalities and assess clinical significance.

Part 1 Examination	Normal	Abnormal (provide details)
Eyelid position	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant
Eyebrow position	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant
Vision abnormalities (not refractive errors)	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant
Throat function (e.g., swallowing/drink water)	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant
Ability to talk and chew	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant
Ability to stick out and move tongue	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant
Ability to lift shoulders	<input type="checkbox"/>	<input type="checkbox"/> Clinically Significant <input type="checkbox"/> Not Clinically Significant

Investigator Signature

Date

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PART 2: Complete at all post-treatment visits.

Not done Provide details: _____

After questioning the subject about their general health and performing Part 1, determine if there are any **clinically significant abnormalities** that may suggest local or remote spread of toxin effect.

- Local Spread of Toxin Effect refers to effects in areas adjacent to the treatment area (e.g., lower frontalis, periorbital area, medial part of temporalis).
- Remote Spread of Toxin Effect refers to effects in other body parts, not adjacent to the treatment area, when effect can only be attributed to the toxin and there is no other medically sound cause.
- Determine if the event is clinically significant (i.e., would affect subject safety, confound the study data, or requires medical treatment) and document on the source document.

Please refer to the list of remote spread of toxin events ([Appendix 8](#)) while doing clinical evaluations based on subject's symptoms and signs. Directed questioning and examination will then be performed as appropriate. If yes, please describe.

Part 2 Examination	No	Yes* (provide details)
Targeted Physical Examination of Face and Neck to Evaluate Local Spread of Toxin Effect <ul style="list-style-type: none"> • Local spread of toxin effect event(s) observed? 	<input type="checkbox"/>	
General Physical Examination to Evaluate the Remote Spread of Toxin Effect <ul style="list-style-type: none"> • Remote spread of toxin effect event(s) observed? 	<input type="checkbox"/>	

* Clinically significant abnormalities should be documented as AE.

Additional comments for Focused Physical Exam:

Investigator Signature

Date

2022-03-21 13:08

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Appendix 8 Adverse Events Potentially Suggestive of Remote Spread of Toxin

The following adverse events may potentially be suggestive of remote spread of toxin (based on FDA Guidance for Industry: Upper Facial Lines: Developing Botulinum Toxin Drug Products; August 2014).¹⁶

accommodation disorder	eyelid function disorder	paresis cranial nerve
areflexia	eyelid ptosis	peripheral nerve palsy
aspiration	facial palsy	peripheral paralysis
blurred vision	facial paresis	pelvic floor muscle weakness
botulism	fourth cranial nerve paresis	pneumonia aspiration
Bradycardia	hemiparesis	pupillary reflex impaired
bulbar palsy	hypoglossal nerve paresis	quadripareisis
constipation	hyporeflexia	respiratory arrest
cranial nerve palsies	hypotonia	respiratory depression
cranial nerve paralysis	monoparesis	respiratory distress
diaphragmatic paralysis	muscular weakness	respiratory failure
diplopia	neuromuscular toxicity	respiratory paralysis
dry mouth	paralysis	speech disorder
dysarthria	paralysis flaccid	third cranial nerve paresis
dysphagia	paralysis recurrent laryngeal nerve	trigeminal nerve paresis
dysphonia	paralytic ileus	urinary retention
dyspnea	paraparesis	vocal cord paralysis
extraocular muscle paresis	paresis	vocal cord paresis

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SIGNED AGREEMENT OF THE CLINICAL STUDY PROTOCOL (CSP)

Clinical Trial Number (CTN): 43QM2106

CSP title: A Phase 3b, Randomized, Double-Blind, Placebo-Controlled Study to Assess Aesthetic Improvement and Onset of QM1114-DP Treatment Effect in Subjects with Moderate to Severe Glabellar Lines

I, the undersigned, have read and understand the CSP specified above, and agree on the contents. The CSP, the clinical trial agreement (CTA) and the additional information given in the Investigator's Brochure (IB) will serve as a basis for co-operation in this study.

Principal Investigator

Printed name

Signature

Date

Study center

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SIGNATURES PAGE

Date	Signed by
2022-03-18 08:10	PPD 
Justification	Compiled by
2022-03-18 09:28	PPD 
Justification	Approved by Technical Expert
2022-03-20 07:40	PPD 
Justification	Approved by Technical Expert
2022-03-21 10:51	PPD 
Justification	Approved by Technical Expert
2022-03-21 13:08	PPD 
Justification	Approved by Owner