CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER:

125274

LABELING

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use DYSPORT™ for Injection safely and effectively. See full prescribing information for DYSPORT™ for Injection.

DYSPORT™ for Injection

(abobotulinumtoxinA)

Initial U.S. Approval: XXX

Distant Spread of Toxin Effect

The effects of DYSPORT™ and all botulinum toxin products may spread from the area of injection to produce symptoms consistent with botulinum toxin effects. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death. The risk of symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults, particularly in those patients who have underlying conditions that would predispose them to these symptoms.

----------INDICATIONS AND USAGE----------

DYSPORT™ is an acetylcholine release inhibitor and a neuromuscular blocking agent indicated for:

- the treatment of adults with cervical dystonia to reduce the severity of abnormal head position and neck pain in both toxin-naïve and previously treated patients (1.1)
- the temporary improvement in the appearance of moderate to severe glabellar lines associated with procerus and corrugator muscle activity in adult patients < 65 years of age (1.2)

----------DOSAGE AND ADMINISTRATION----------

- Once reconstituted, DYSPORT™ should be stored in the original container in a refrigerator (2-8°C) and used within four hours (16)
- Do not freeze after reconstitution (2), (16)
- Protect from light (16)
- Reconstitution instructions are specific for the 300 Unit and 500 Unit vials

Cervical Dystonia (2.1)

- Initial dose of DYSPORT™ is 500 Units given intramuscularly as a divided dose among the affected muscles
- Retreatment every 12 to 16 weeks or longer, as necessary, based on return of clinical symptoms with doses administered between 250 and 1000 Units to optimize clinical benefit
- Retreatment should not occur in intervals of less than 12 weeks
- Titration should occur in 250 Unit steps according to the patient's response

Glabellar Lines (2.2)

- A total dose of 50 Units of DYSPORT™, divided in five equal aliquots of 10 Units each should be administered to affected muscles to achieve clinical effect.
- Re-treatment with DYSPORT™ should be administered no more frequently than every 3 months.

----------DOSAGE FORMS AND STRENGTHS----------

- Cervical dystonia: Single use, sterile 500 Unit vial for reconstitution with 1 mL of 0.9 % Sodium Chloride Injection USP (without preservative) and a single use, sterile 300 Unit vial for reconstitution with 0.6 mL of 0.9% Sodium Chloride Injection USP (without preservative) (3.1)
- Glabellar lines: Single use, sterile 300 Unit vial for reconstitution with 2.5 mL or 1.5 mL of 0.9% Sodium Chloride Injection USP (without preservative) (3.2)

----------CONTRAINDICATIONS----------

- Hypersensitivity to any botulinum toxin product or excipients (4), (6.1), (6.2)
- Allergy to cow's-milk protein
- Infection at the proposed injection site.

----------WARNINGS AND PRECAUTIONS----------

- **The potency Units of DYSPORT™ are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSPORT™ cannot be compared to or converted into units of any other botulinum toxin products *(11)*.**
- Recommended dose and frequency of administration should not be exceeded (5.1)
- Immediate medical attention may be required in cases of respiratory, speech or swallowing difficulties (5.3)
- Caution should be exercised when administering DYSPORT™ to patients with surgical alterations to the facial anatomy, marked facial asymmetry, inflammation at the injection site(s), ptosis, excessive dermatochalasis, deep dermal scarring, or thick sebaceous skin (5.4).
- Concomitant neuromuscular disorder may exacerbate clinical effects of treatment (5.5)
- DYSPORT™ contains human albumin. Based on effective donor screening and product manufacturing processes, DYSPORT™ carries an extremely remote risk for transmission of viral diseases. A theoretical risk for transmission of Creutzfeldt-Jakob disease (CJD) also is considered extremely remote. No cases of transmission of viral diseases or CJD have ever been identified for albumin (5.6).
- The possibility of an immune reaction when injected intradermally is unknown. The safety of DYSPORT™ for the treatment of hyperhidrosis has not been established (5.7).

----------ADVERSE REACTIONS----------

Cervical Dystonia

Most commonly observed adverse reactions (> 5% of patients) are: muscular weakness, dysphagia, dry mouth, injection site discomfort, fatigue, headache, neck pain, musculoskeletal pain, dysphonia, injection site pain, and eye disorders. (6)

Glabellar Lines

The most frequently reported adverse events (≥2%) are nasopharyngitis, headache, injection site pain, injection site reaction, upper respiratory tract infection, eyelid edema, eyelid ptosis, sinusitis and nausea. (6)

To report SUSPECTED ADVERSE REACTIONS, contact 877-397-7671 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

----------DRUG INTERACTIONS----------

- Patients receiving concomitant treatment of DYSPORT™ and aminoglycosides or other agents interfering with neuromuscular transmission (e.g., curare-like agents), or muscle relaxants, should be observed closely because the effect of botulinum toxin may be potentiated (7)
- Use of anticholinergic drugs may potentiate systemic anticholinergic effects (7)
- The effect of administering different botulinum neurotoxins during the course of treatment with DYSPORT™ is unknown (7)

----------USE IN SPECIFIC POPULATIONS----------

- Pregnancy: Based on animal data, may cause fetal harm (8.1)
- Care should be exercised when administering DYSPORT™ in elderly patients, reflecting the greater frequency of concomitant disease and other drug therapy (8.5)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling

Revised: Draft

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FULL PRESCRIBING INFORMATION

Distant Spread of Toxin Effect

Postmarketing reports indicate that the effects of DYSPORT™ and all botulinum toxin products may spread from the area of injection to produce symptoms consistent with botulinum toxin effects. These may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death. The risk of symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses, including spasticity in children and adults, and in approved indications, cases of spread of effect have been reported at doses comparable to those used to treat cervical dystonia and at lower doses.

1 INDICATIONS AND USAGE

1.1 Cervical Dystonia

DYSPORT™ (abobotulinumtoxinA) is an acetylcholine release inhibitor and a neuromuscular blocking agent indicated for the treatment of adults with cervical dystonia to reduce the severity of abnormal head position and neck pain in both toxin-naïve and previously treated patients.

1.2 Glabellar Lines

DYSPORT™ (abobotulinumtoxinA) is an acetylcholine release inhibitor and a neuromuscular blocking agent indicated for the temporary improvement in the appearance of moderate to severe glabellar lines associated with procerus and corrugator muscle activity in adult patients < 65 years of age.

2 DOSAGE AND ADMINISTRATION

The potency Units of DYSPORT™ are specific to the preparation and assay method utilized. They are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSPORT™ cannot be compared to or converted into units of any other botulinum toxin products assessed with any other specific assay method [*see Description (11)*].

Reconstitution instructions are specific for each of the 300 Unit vial and the 500 Unit vial. These volumes yield concentrations specific for the use for each indication.

2.1 Cervical Dystonia

The recommended initial dose of DYSPORT™ for the treatment of cervical dystonia is 500 Units given intramuscularly as a divided dose among affected muscles in patients with or

without a history of prior treatment with botulinum toxin. (A description of the average DYSPORT™ dose and percentage of total dose injected into specific muscles in the pivotal clinical trials can be found in Table 5 of Section 14.1, Clinical Studies – Cervical Dystonia.) Limiting the dose injected into the sternocleidomastoid muscle may reduce the occurrence of dysphagia. Clinical studies with DYSPORT™ in cervical dystonia suggest that the peak effect occurs between two and four weeks after injection. Simultaneous EMG-guided application of DYSPORT™ may be helpful in locating active muscles not identified by physical examination alone.

Dose Modification

Where dose modification is necessary for the treatment of cervical dystonia, uncontrolled open-label studies suggest that dose adjustment can be made in 250 Unit steps according to the individual patient's response, with retreatment every 12 weeks or longer, as necessary, based on return of clinical symptoms. Uncontrolled open-label studies also suggest that the total dose administered in a single treatment should be between 250 Units and 1000 Units. Retreatment, if needed, should not occur in intervals of less than 12 weeks. Doses above 1000 Units have not been systematically evaluated.

2.1.1 Special Populations

Adults and elderly

The starting dose of 500 Units recommended for cervical dystonia is applicable to adults of all ages [*see Use in Specific Populations (8.5)*].

Children

The safety and effectiveness of DYSPORT™ in the treatment of cervical dystonia in children below 18 years of age has not been assessed [*see Warnings and Precautions (5.2)*].

2.1.2 Instructions for Preparation and Administration

DYSPORT™ is supplied as a single-use vial. Each 500 Unit vial of DYSPORT™ is to be reconstituted with 1 mL of 0.9% Sodium Chloride Injection USP (without preservative) to yield a solution of 500 Units per mL. Each 300 Unit vial of DYSPORT™ is to be reconstituted with 0.6 mL of 0.9% Sodium Chloride Injection USP (without preservative) to yield a solution equivalent to 250 Units per 0.5 mL. Swirl gently to dissolve.

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit. Reconstituted DYSPORT™ should be clear, colorless, and free of particulate matter, otherwise it must not be injected.

A sterile 23 or 25 gauge needle should be used for administration. Administer DYSPORT™ within 4 hours of reconstitution; during this period reconstituted DYSPORT™ should be stored under refrigeration at 2° to 8°C (36° to 46°F) and protected from light. Do not freeze after reconstitution. Discard any remaining solution after injection.

2.2 Glabellar Lines

The dose of DYSPORT™ for the treatment of glabellar lines is a total of 50 Units given intramuscularly in five equal aliquots of 10 Units each to achieve clinical effect (*see Figure 1*).

2.2.1 Special Populations

Adults

A total dose of 50 Units of DYSPORT™, in five equal aliquots, should be administered to achieve clinical effect.

The clinical effect of DYSPORT™ may last up to four months. Repeat dose clinical studies demonstrated continued efficacy with up to four repeated administrations. It should be administered no more frequently than every three months. When used for re-treatment, DYSPORT™ should be reconstituted and injected using the same techniques as the initial treatment.

Children

DYSPORT™ for glabellar lines is not recommended for use in pediatric patients less than 18 years of age [*see Warnings and Precautions (5.2)*]

2.2.2 Instructions for Preparation and Administration

DYSPORT™ is supplied as a single-use vial. Each 300 Unit vial of DYSPORT™ is to be reconstituted with 2.5 mL of 0.9% sterile, preservative-free, saline prior to injection. The concentration of the resulting solution will be 10 Units per 0.08 mL to be delivered in five equally divided aliquots of 0.08 mL each. DYSPORT™ may also be reconstituted with 1.5 mL 0.9% sterile, preservative-free, saline for a solution of 10 Units per 0.05 mL to be delivered in five equally divided aliquots of 0.05 mL each.

Using a 21 gauge needle and aseptic technique, draw up 2.5 mL or 1.5 mL of sterile, preservative-free 0.9% saline. Insert the needle into the DYSPORT® vial at a 45° angle and allow the saline diluent to be pulled into the vial by partial vacuum. Discard the vial if the partial vacuum has been lost. Gently rotate the vial (do not shake), until the white substance is fully dissolved. Reconstituted DYSPORT™ should be a clear, colorless solution, free of particulate matter.

Draw a single patient dose of DYSPORT™ into a sterile syringe. Expel any air bubbles in the syringe barrel. Remove the needle used to reconstitute the product and attach a 30 gauge needle.

Once reconstituted, DYSPORT™ should be stored in a refrigerator at 2 to 8°C (36° to 46°F) protected from light and used within four hours. Do not freeze reconstituted DYSPORT™. Discard the vial and needle in accordance with local regulations.

2.2.3 Injection Technique

Glabellar facial lines arise from the activity of the lateral corrugator and vertical procerus muscles. These can be readily identified by palpating the tensed muscle mass while having

the patient frown. The corrugator depresses the skin creating a "furrowed" vertical line surrounded by tensed muscle (*i.e.*, frown lines). The location, size, and use of the muscles vary markedly among individuals. Physicians administering DYSPORT™ must understand the relevant neuromuscular and/or orbital anatomy of the area involved and any alterations to the anatomy due to prior surgical procedures.

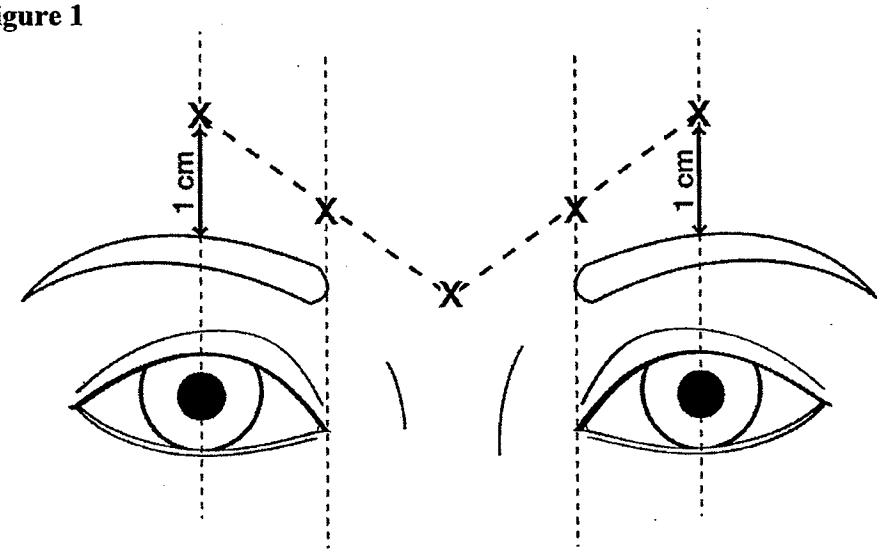
Risk of ptosis can be mitigated by careful examination of the upper lid for separation or weakness of the levator palpebrae muscle (true ptosis), identification of lash ptosis, and evaluation of the range of lid excursion while manually depressing the frontalis to assess compensation.

In order to reduce the complication of ptosis, the following steps should be taken:

- Avoid injection near the levator palpebrae superioris, particularly in patients with larger brow depressor complexes.
- Medial corrugator injections should be placed at least 1 centimeter above the bony supraorbital ridge.
- Ensure the injected volume/dose is accurate and where feasible kept to a minimum.
- Do not inject toxin closer than 1 centimeter above the central eyebrow.

To inject DYSPORT™, advance the needle through the skin into the underlying muscle while applying finger pressure on the superior medial orbital rim. Inject patients with a total of 50 Units in five equally divided aliquots. Using a 30 gauge needle, inject 10 Units of DYSPORT™ into each of five sites, two in each corrugator muscle, and one in the procerus muscle (*see* Figure 1).

Figure 1



3 DOSAGE FORMS AND STRENGTHS

3.1 Cervical Dystonia

DYSPORT™ is supplied as:

- a single-use, sterile 500 Unit vial for reconstitution with 1 mL of 0.9% Sodium Chloride Injection USP (without preservative) to yield a solution of 500 Units per mL.
- a single-use, sterile 300 Unit vial for reconstitution with 0.6 mL of 0.9% Sodium Chloride Injection USP (without preservative) to yield a solution equivalent to 250 Units per 0.5 mL.

3.2 Glabellar Lines

DYSPORT™ is supplied in a single-use, sterile 300 Unit vial for reconstitution with 0.9% Sodium Chloride Injection USP (without preservative). DYSPORT™ may be reconstituted with either 2.5 mL to yield a solution of 10 Units per 0.08 mL or with 1.5 mL to yield a solution of 10 Units per 0.05 mL.

4 CONTRAINDICATIONS

DYSPORT™ is contraindicated in patients with known hypersensitivity to any botulinum toxin preparation or to any of the components in the formulation [*see Adverse Reactions (6.1), Description (11)*].

This product may contain trace amounts of cow's milk protein. Patients known to be allergic to cow's milk protein should not be treated with DYSPORT™.

DYSPORT™ is contraindicated for use in patients with infection at the proposed injection site(s).

5 WARNINGS AND PRECAUTIONS

5.1 Lack of Interchangeability between Botulinum Toxin Products

The potency Units of DYSPORT™ are specific to the preparation and assay method utilized. They are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSPORT™ cannot be compared to or converted into units of any other botulinum toxin products assessed with any other specific assay method [*see Description (11)*].

5.2 Spread of Toxin Effect

Postmarketing safety data from DYSPORT™ and other approved botulinum toxins suggest that botulinum toxin effects may, in some cases, be observed beyond the site of local injection. The symptoms are consistent with the mechanism of action of botulinum toxin and may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death related to spread of

toxin effects. The risk of the symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, and particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses, including spasticity in children and adults, and in approved indications, symptoms consistent with spread of toxin effect have been reported at doses comparable to or lower than doses used to treat cervical dystonia.

5.3 Dysphagia and Breathing Difficulties in Treatment of Cervical Dystonia

Treatment with DYSPORT™ and other botulinum toxin products can result in swallowing or breathing difficulties. Patients with pre-existing swallowing or breathing difficulties may be more susceptible to these complications. In most cases, this is a consequence of weakening of muscles in the area of injection that are involved in breathing or swallowing. When distant effects occur, additional respiratory muscles may be involved [*see Warnings and Precautions (5.2)*].

Deaths as a complication of severe dysphagia have been reported after treatment with botulinum toxin. Dysphagia may persist for several weeks, and require use of a feeding tube to maintain adequate nutrition and hydration. Aspiration may result from severe dysphagia and is a particular risk when treating patients in whom swallowing or respiratory function is already compromised.

Treatment of cervical dystonia with botulinum toxins may weaken neck muscles that serve as accessory muscles of ventilation. This may result in a critical loss of breathing capacity in patients with respiratory disorders who may have become dependent upon these accessory muscles. There have been post marketing reports of serious breathing difficulties, including respiratory failure, in cervical dystonia patients.

Patients treated with botulinum toxin may require immediate medical attention should they develop problems with swallowing, speech or respiratory disorders. These reactions can occur within hours to weeks after injection with botulinum toxin [*see Warnings and Precautions (5.2), Adverse Reactions (6.1), Clinical Pharmacology (12.2)*].

5.4 Facial Anatomy in the Treatment of Glabellar Lines

Caution should be exercised when administering DYSPORT™ to patients with surgical alterations to the facial anatomy, excessive weakness or atrophy in the target muscle(s), marked facial asymmetry, inflammation at the injection site(s), ptosis, excessive dermatochalasis, deep dermal scarring, thick sebaceous skin [see *Dosage and Administration (2.2.3)*] or the inability to substantially lessen glabellar lines by physically spreading them apart [*see Clinical Studies (14.2)*].

Do not exceed the recommended dosage and frequency of administration of DYSPORT™. In clinical trials, subjects who received a higher dose of DYSPORT™ had an increased incidence of eyelid ptosis.

5.5 Pre-Existing Neuromuscular Disorders

Individuals with peripheral motor neuropathic diseases, amyotrophic lateral sclerosis or neuromuscular junction disorders (e.g., myasthenia gravis or Lambert-Eaton syndrome) should be monitored particularly closely when given botulinum toxin. Patients with neuromuscular disorders may be at increased risk of clinically significant effects including severe dysphagia and respiratory compromise from typical doses of DYSPORT™ [*see Adverse Reactions (6.1)*].

5.6 Human Albumin

This product contains albumin, a derivative of human blood. Based on effective donor screening and product manufacturing processes, it carries an extremely remote risk for transmission of viral diseases. A theoretical risk for transmission of Creutzfeldt-Jakob disease (CJD) is also considered extremely remote. No cases of transmission of viral diseases or CJD have ever been reported for albumin.

5.7 Intradermal Immune Reaction

The possibility of an immune reaction when injected intradermally is unknown. The safety of DYSPORT™ for the treatment of hyperhidrosis has not been established.

6 ADVERSE REACTIONS

The following adverse reactions to DYSPORT™ are discussed in greater detail in other sections of the labeling.

- Hypersensitivity [*see Contraindications (4)*]
- Dysphagia and Breathing Difficulties in Treatment of Cervical Dystonia [*see Warnings and Precautions (5.3)*]
- Spread of Effects from Toxin [*see Warnings and Precautions (5.2)*]

6.1 Clinical Studies Experience

Because clinical trials are conducted under widely varying conditions, the adverse reaction rates observed cannot be directly compared to rates in other trials and may not reflect the rates observed in clinical practice. The adverse reaction information from clinical trials does, however, provide a basis for identifying the adverse events that appear to be related to drug use and for approximating incidence rates.

Cervical Dystonia

The data described below reflect exposure to DYSPORT™ in 357 cervical dystonia patients in 6 studies. Of these, two studies were randomized, double-blind, single treatment, placebo controlled studies with subsequent optional open label treatment in which dose optimization (250 to 1000 Units per treatment) over the course of 5 treatment cycles was allowed.

The population was almost entirely Caucasian (99.2%) with a median age of 51 years (range 18-82 years). Most patients (86.6%) were less than 65 years of age; 58.4% were women.

Common Adverse Events

The most commonly reported adverse events (occurring in more than 5% of patients who received 500 Units of DYSPORT™ in the placebo controlled clinical trials) in cervical dystonia patients were muscular weakness, dysphagia, dry mouth, injection site discomfort, fatigue, headache, neck pain, musculoskeletal pain, dysphonia, injection site pain, and eye disorders (consisting of blurred vision, diplopia, and reduced visual acuity and accommodation). Most adverse events were reported as mild or moderate in severity. Other than injection site reactions, most adverse events became noticeable about one week after treatment and lasted several weeks.

The rates of adverse events were higher in the combined controlled and open-label experience than in the placebo-controlled trials.

During the clinical studies, two patients (<1%) experienced adverse events leading to withdrawal. One patient experienced disturbance in attention, eyelid disorder, feeling abnormal and headache, and one patient experienced dysphagia.

Table 1 compares the incidence of the most frequent treatment-emergent adverse events (TEAEs) from a single treatment cycle of 500 Units of DYSPORT™ compared to placebo [*see Clinical Studies (14.1)*].

Table 1: Most Common TEAEs (>5%) and Greater than Placebo: Double Blind Phase of Clinical Trials

	Double Blind Phase	
System Organ Class Preferred Term	**DYSPORT™ 500 Units (N=173)**	**Placebo (N=182)**
	%	%
Any TEAE	61	51
General disorders and administration site conditions	**30**	**23**
Injection site discomfort	13	8
Fatigue	12	10
Injection site pain	5	4
Musculoskeletal and connective tissue disorders	**30**	**18**
Muscular weakness	16	4
Musculoskeletal pain	7	3
Gastrointestinal disorders	**28**	**15**
Dysphagia	15	4
Dry mouth	13	7
Nervous system disorders	**16**	**13**
Headache	11	9
Infections and infestations	**13**	**9**
Respiratory, thoracic and mediastinal disorders	**12**	**8**
Dysphonia	6	2
Eye Disorders [a]	**7**	**2**

[a] The following preferred terms were reported: vision blurred, diplopia, visual acuity reduced, eye pain, eyelid disorder, accommodation disorder, dry eye, eye pruritus.

Dose-response relationships for common adverse events in a randomized multiple fixed-dose study in which the total dose was divided between two muscles (the sternocleidomastoid and splenius capitis) are shown in Table 2.

Table 2: Common TEAEs by Dose in Fixed-dose Study

System Organ Class Preferred Term	DYSPORT™ Dose			
	Placebo	250 Units	500 Units	1000 Units
Any Adverse Event	*30%*	*37%*	*65%*	*83%*
Dysphagia	5%	21%	29%	39%
Dry Mouth	10%	21%	18%	39%
Muscular Weakness	0%	11%	12%	56%
Injection Site Discomfort	10%	5%	18%	22%
Dysphonia	0%	0%	18%	28%
Facial Paresis	0%	5%	0%	11%
Eye Disorders	0%	0%	6%	17%

Injection Site Reactions

Injection site discomfort and injection site pain were common adverse events following DYSPORT administration. These events were mainly of mild or moderate intensity.

Less Common Adverse Events

The following selected adverse events were reported less frequently (<5%).

Breathing Difficulties

Breathing difficulties were reported by approximately 3% of patients following DYSPORT™ administration and in 1% of placebo patients in clinical trials during the double blind phase. These consisted mainly of dyspnea and were generally mild in intensity. The median time to onset from last dose of DYSPORT™ was approximately one week, and the median duration was approximately three weeks.

Other selected adverse events with incidences of less than 5% in the DYSPORT™ 500 Units group in the double blind phase of clinical trials included dizziness in 3.5% of DYSPORT™-treated subjects and 1% of placebo-treated subjects, and muscle atrophy in 1% of DYSPORT™-treated patients and in none of the placebo-treated patients.

Laboratory Findings

Subjects treated with DYSPORT™ exhibited a small increase from baseline (0.23 mol/L) in mean blood glucose relative to placebo-treated subjects. This was not clinically significant among subjects in the development program but could be a factor in patients whose diabetes is difficult to control.

Electrocardiographic Findings

ECG measurements were only recorded in a limited number of subjects in an open-label study without a placebo or active control. This study showed a statistically significant reduction in heart rate compared to baseline, averaging about three beats per minute, observed thirty minutes after injection.

Glabellar Lines

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not be predictive of rates observed in practice.

In placebo-controlled clinical trials of DYSPORT™, the most frequently reported adverse events (≥2%) following injection of DYSPORT™ were nasopharyngitis, headache, injection site pain, injection site reaction, upper respiratory tract infection, eyelid edema, eyelid ptosis, sinusitis and nausea.

Table 3 reflects exposure to DYSPORT™ in 398 subjects aged 19 to 75 who were evaluated in the randomized, placebo-controlled clinical studies that assessed the use of DYSPORT™ for the temporary improvement in the appearance of glabellar lines [see *Clinical Studies (14)*]. Adverse events of any cause were reported for 48% of the DYSPORT™ treated subjects and 33% of the placebo treated subjects. Treatment-emergent adverse events were generally mild to moderate in severity.

Table 3: Treatment-Emergent Adverse Events with > 1% incidence

Adverse Events by Body System	**DYSPORT™ n=398 (%)***	**Placebo n=496 (%)***
Any Treatment Emergent Adverse Event	191 (48)	163 (33)
Eye Disorders		
Eyelid Edema	8 (2)	0
Eyelid Ptosis	6 (2)	1 (<1)
Gastrointestinal Disorders		
Nausea	6 (2)	5 (1)
General Disorders and Administration Site Conditions		
Injection Site Pain	11 (3)	8 (2)
Injection Site Reaction	12 (3)	2 (<1)
Infections and Infestations		
Nasopharyngitis	38 (10)	21 (4)
Upper Respiratory Tract Infection	12 (3)	9 (2)
Sinusitis	8 (2)	6 (1)
Investigations		
Blood Urine Present	6 (2)	1 (<1)
Nervous System Disorders		
Headache	37 (9)	23 (5)

* Subjects who received treatment with placebo and DYSPORT™ are counted in both treatment columns.

In the overall safety data base, where some subjects received up to twelve treatments with DYSPORT™, adverse events were reported for 57% (1425/2491) of subjects. The most

frequently reported of these adverse events were headache, nasopharyngitis, injection site pain, sinusitis, URI, injection site bruising, and injection site reaction (numbness, discomfort, erythema, tenderness, tingling, itching, stinging, warmth, irritation, tightness, swelling).

Adverse events that emerged after repeated injections in 2-3% of the population included bronchitis, influenza, pharyngolaryngeal pain, cough, contact dermatitis, injection site swelling, and injection site discomfort.

The incidence of eyelid ptosis did not increase in the long-term safety studies with multiple re-treatments at intervals ≥ three months. The majority of eyelid ptosis events were mild to moderate in severity and resolved over several weeks. [*see Injection Technique (2.2.3)*].

6.2 Post Marketing Spontaneous Reports

There is extensive post-marketing experience outside the U.S. for the treatment of glabellar lines. Adverse reactions are reported voluntarily from a population of uncertain size; thus, it is not always possible to estimate their frequency reliably or to establish a causal relationship to drug exposure. The following adverse reactions have been identified during post marketing use: vertigo, eyelid ptosis, diplopia, vision blurred, photophobia, dysphagia, nausea, injection site reaction, malaise, influenza-like illness, hypersensitivity, sinusitis, amyotrophy, burning sensation, facial paresis, dizziness, headache, hypoesthesia, erythema, and excessive granulation tissue.

6.3 Immunogenicity

As with all therapeutic proteins, there is a potential for immunogenicity.

The incidence of antibody formation is highly dependent on the sensitivity and specificity of the assay. In addition, the observed incidence of antibody positivity in an assay may be influenced by several factors including assay methodology, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies across products in this class may be misleading.

Cervical Dystonia

About 3% of patients developed antibodies (binding or neutralizing) over time with DYSPORT™ treatment. The significance of these antibodies is unknown since in the presence of binding and neutralizing antibodies some patients may continue to experience clinical benefit.

Glabellar Lines

Testing for antibodies to DYSPORT™ was performed in 1554 subjects who had up to nine cycles of treatment. Two subjects (0.13%) tested positive for binding antibodies at baseline. Three additional subjects tested positive for binding antibodies after receiving DYSPORT™ treatment. None of the patients tested positive for neutralizing antibodies.

7 DRUG INTERACTIONS

No formal drug interaction studies have been conducted with DYSPORT™.

Patients treated concomitantly with botulinum toxins and aminoglycosides or other agents interfering with neuromuscular transmission (e.g., curare-like agents) should be observed closely because the effect of the botulinum toxin may be potentiated. Use of anticholinergic drugs after administration of DYSPORT™ may potentiate systemic anticholinergic effects such as blurred vision.

The effect of administering different botulinum neurotoxin products at the same time or within several months of each other is unknown. Excessive weakness may be exacerbated by another administration of botulinum toxin prior to the resolution of the effects of a previously administered botulinum toxin.

Excessive weakness may also be exaggerated by administration of a muscle relaxant before or after administration of DYSPORT™.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category C

DYSPORT™ produced embryo-fetal toxicity when given to pregnant rats at doses similar to or greater than the maximum recommended human dose (MRHD) of 1000 Units on a body weight (Units/kg) basis.

In an embryo-fetal development study in which pregnant rats received intramuscular injections daily (2.2, 6.6, or 22 Units/kg on gestation days 6 through 17) or intermittently (44 Units/kg on gestation days 6 and 12 only) during organogenesis, increased early embryonic death was observed with both dosing schedules. The no-effect dose for embryo-fetal developmental toxicity was 2.2 Units/kg (one-tenth the MRHD on a body weight basis). Maternal toxicity was seen at 22 and 44 Units/kg. In a pre-and post-natal development study in which female rats received 6 weekly intramuscular injections (4.4, 11.1, 22.2, or 44 Units/kg) beginning on day 6 of gestation and continuing through parturition to weaning, an increase in stillbirths was observed at the highest dose, which was maternally toxic. The no-effect dose for pre- and post-natal developmental toxicity was 22.2 Units/kg (approximately equal to the MRHD on a body weight basis).

There are no adequate and well-controlled studies in pregnant women. DYSPORT™ should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

8.3 Nursing Mothers

It is not known whether DYSPORT™ is excreted in human milk.

8.4 Pediatric Use

Cervical Dystonia

Safety and effectiveness in pediatric patients have not been established [*see Warnings and Precautions (5.2)*].

Glabellar Lines
DYSPORT™ is not recommended for use in pediatric patients less than 18 years of age.

8.5 Geriatric Use

Cervical Dystonia

There were insufficient numbers of patients aged 65 and over in the clinical studies to determine whether they respond differently than younger patients. In general, elderly patients should be observed to evaluate their tolerability of DYSPORT™, due to the greater frequency of concomitant disease and other drug therapy [*see Dosage and Administration (2.1.1)*].

Glabellar Lines
Of the total number of subjects in the placebo-controlled clinical studies of DYSPORT™, 8 (1%) were 65 and over. Efficacy was not observed in subjects 65 years and over [*see Clinical Studies (14.2)*]. For the entire safety database of geriatric subjects, although there was no increase in the incidence of eyelid ptosis, geriatric subjects did have an increase in the number of ocular adverse events compared to younger subjects (11% vs. 5%) [*see Dosage and Administration (2.2)*].

8.6 Ethnic Groups
Exploratory analyses in trials for glabellar lines in African-American subjects with Fitzpatrick skin types IV, V, or VI and in Hispanic subjects suggested that response rates at Day 30 were comparable to and no worse than the overall population.

10 OVERDOSAGE

Excessive doses of DYSPORT™ may be expected to produce neuromuscular weakness with a variety of symptoms. Respiratory support may be required where excessive doses cause paralysis of respiratory muscles. In the event of overdose, the patient should be medically monitored for symptoms of excessive muscle weakness or muscle paralysis [*see Warnings and Precautions (5.2)*]. Symptomatic treatment may be necessary.

Symptoms of overdose are likely not to be present immediately following injection. Should accidental injection or oral ingestion occur, the person should be medically supervised for several weeks for signs and symptoms of excessive muscle weakness or paralysis.

There is no significant information regarding overdose from clinical studies in cervical dystonia. Doses exceeding 1000 Units of DYSPORT™ were rarely studied in clinical settings for any indication.

In the event of overdose, antitoxin raised against botulinum toxin is available from the Centers for Disease Control and Prevention (CDC) in Atlanta, GA. However, the antitoxin

will not reverse any botulinum toxin-induced effects already apparent by the time of antitoxin administration. In the event of suspected or actual cases of botulinum toxin poisoning, please contact your local or state Health Department to process a request for antitoxin through the CDC. If you do not receive a response within 30 minutes, please contact the CDC directly at 770-488-7100. More information can be obtained at http://www.cdc.gov/ncidod/srp/drugs/drug-service.html.

11 DESCRIPTION

Botulinum toxin type A, the active ingredient in DYSPORT™ (abobotulinumtoxinA), is a purified neurotoxin type A complex produced by fermentation of the bacterium *Clostridium botulinum* type A, Hall Strain. It is purified from the culture supernatant by a series of precipitation, dialysis, and chromatography steps. The neurotoxin complex is composed of the neurotoxin, hemagglutinin proteins and non-toxin non-hemagglutinin protein.

DYSPORT™ is supplied in a single-use, sterile vial for reconstitution intended for intramuscular injection. Each vial contains 500 or 300 Units of lyophilized abobotulinumtoxinA, 125 micrograms human serum albumin and 2.5 mg lactose. DYSPORT™ may contain trace amounts of cow's-milk proteins [*see Contraindications (4)*].

One unit of DYSPORT™ corresponds to the calculated median lethal intraperitoneal dose (LD50) in mice. The method for performing the assay is specific to Ipsen's product DYSPORT™. Due to differences in specific details such as vehicle, dilution scheme and laboratory protocols for various mouse LD50 assays, Units of biological activity of DYSPORT™ are not interchangeable with Units of any other botulinum toxin or any toxin assessed with any other specific assay method [*see Dosage Forms and Strengths (3)*].

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

DYSPORT™ inhibits release of the neurotransmitter, acetylcholine, from peripheral cholinergic nerve endings. Toxin activity occurs in the following sequence: Toxin heavy chain mediated binding to specific surface receptors on nerve endings, internalization of the toxin by receptor mediated endocytosis, pH-induced translocation of the toxin light chain to the cell cytosol and cleavage of SNAP25 leading to intracellular blockage of neurotransmitter exocytosis into the neuromuscular junction. This accounts for the therapeutic utility of the toxin in diseases characterized by excessive efferent activity in motor nerves.

Recovery of transmission occurs gradually as the neuromuscular junction recovers from SNAP25 cleavage and as new nerve endings are formed.

12.2 Pharmacodynamics

The primary pharmacodynamic effect of DYSPORT™ is due to chemical denervation of the treated muscle resulting in a measurable decrease of the compound muscle action potential, causing a localized reduction of muscle activity.

12.3 Pharmacokinetics

Using currently available analytical technology, it is not possible to detect DYSPORT™ in the peripheral blood following intramuscular injection at the recommended doses.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenicity, Mutagenicity, Impairment of Fertility

Carcinogenicity

Studies to evaluate the carcinogenic potential of DYSPORT™ have not been conducted.

Mutagenicity

Genotoxicity studies have not been conducted for DYSPORT™.

Impairment of Fertility

In a fertility and early embryonic development study in rats in which either males (2.9, 7.2, 14.5 or 29 Units/kg) or females (7.4, 19.7, 39.4 or 78.8 Units/kg) received weekly intramuscular injections prior to and after mating, dose-related increases in pre-implantation loss and reduced numbers of corpora lutea were noted in treated females. Failure to mate was observed in males that received the high dose. The no-effect dose for effects on fertility was 7.4 Units/kg in females and 14.5 Units/kg in males (approximately one-half and equal to, respectively, the maximum recommended human dose of 1000 Units on a body weight basis).

14 CLINICAL STUDIES

14.1 Cervical Dystonia

The efficacy of DYSPORT™ was evaluated in two well-controlled, randomized, double blind, placebo controlled, single dose, parallel group studies in treatment-naïve cervical dystonia patients. The principal analyses from these trials provide the primary demonstration of efficacy involving 252 patients (121 on DYSPORT™, 131 on placebo) with 36% male and 64% female. Ninety-nine percent of the patients were Caucasian.

In both placebo controlled studies (Study 1 and Study 2), a dose of 500 Units DYSPORT™ was given by intramuscular injection divided among two to four affected muscles. These studies were followed by long-term open label extensions that allowed titration in 250 Unit steps to doses in a range of 250 to 1000 Units, after the initial dose of 500 Units. In the extension studies, retreatment was determined by clinical need after a minimum of 12 weeks. The median time to retreatment was 14 weeks and 18 weeks for the 75th percentile.

The primary assessment of efficacy was based on the total Toronto Western Spasmodic Torticollis Rating Scale (TWSTRS) change from baseline at Week 4 for both studies. The scale evaluates the severity of dystonia, patient perceived disability from dystonia, and pain. The adjusted mean change from baseline in the TWSTRS total score was statistically significantly greater for the DYSPORT™ group than the placebo group at Weeks 4 in both studies (see Table 4).

Table 4: TWSTRS Total Score Efficacy Outcome from the Phase 3 Cervical Dystonia Studies Intent to Treat Population

	Study 1		Study 2	
	DYSPORT™ 500 Units N=55	Placebo N=61	DYSPORT™ 500 Units N=37	Placebo N=43
Baseline (week 0)				
Mean (SD)	43.8 (8.0)	45.8 (8.9)	45.1 (8.7)	46.2 (9.4)
Week 4				
Mean (SD)	30.0 (12.7)	40.2 (11.8)	35.2 (13.8)	42.4 (12.2)
Change from baseline[a]	-15.6 (2.0)	-6.7 (2.0)	-9.6 (2.0)	-3.7 (1.8)
Treatment difference	-8.9*		-5.9*	
95% confidence interval	[-12.9 to -4.7]		[-10.6 to -1.3]	
Week 8				
Mean (SD)	29.3 (11.0)	39.6 (13.5)		
Change from baseline[a]	-14.7 (2.0)	-5.9 (2.0)		
Treatment difference	-8.8*			
95% confidence interval	[-12.9 to -4.7]			

a. Change from baseline is expressed as adjusted least squares mean (SE)

*Significant at p-value < 0.05

Analyses by gender, weight, geographic region, underlying pain, cervical dystonia severity at baseline and history of treatment with botulinum toxin did not show any meaningful differences between groups.

Table 5 indicates the average DYSPORT™ dose, and percentage of total dose, injected into specific muscles in the pivotal clinical trials.

Table 5: DYSPORT™ 500 Units starting dose (units and % of the total dose) by Unilateral Muscle Injected During Double Blind Pivotal Phase 3 studies 2 and 1 Combined

Number of patients injected per muscle[a]		DYSPORT™ Dose Injected		Percentage of the total DYSPORT™ Dose Injected	
		Median [DYSPORT™ Units] (min, max)	75th percentile [DYSPORT™ Units]	Median [%] (min, max)	75th percentile [%]
Sternocleidomastoid	90	125 Units (50, 350)	150 Units	26.5 % (10, 70)	30.0 %
Splenius capitis	85	200 Units (75, 450)	250 Units	40.0 % (15, 90)	50.0 %
Trapezius	50	102.6 Units (50, 300)	150 Units	20.6 % (10, 60)	30.0 %
Levator scapulae	35	105.3 Units (50, 200)	125 Units	21.1 % (10, 40)	25.0 %
Scalenus (medius and anterior)	26	115.5 Units (50, 300)	150 Units	23.1 % (10, 60)	30.0 %
Semispinalis capitis	21	131.6 Units (50, 250)	175 Units	29.4 % (10, 50)	35.0 %
Longissimus	3	150 Units (100, 200)	200 Units	30.0 % (20, 40)	40.0 %

a Total number of patients in combined studies 2 and 1 who received initial treatment = 121.

14.2 Glabellar Lines

Three double-blind, randomized, placebo-controlled, clinical studies evaluated the efficacy of DYSPORT™ for use in the temporary improvement of the appearance of moderate to severe glabellar lines. These three studies enrolled healthy adults (ages 19-75) with glabellar lines of at least moderate severity at maximum frown. Subjects were excluded if they had marked ptosis, deep dermal scarring, or a substantial inability to lessen glabellar lines, even by physically spreading them apart. The subjects in these studies received either DYSPORT™ or placebo. The total dose was delivered in equally divided aliquots to specified injection sites (*see* Figure 1).

Investigators and subjects assessed efficacy at maximum frown by using a 4-point scale (none, mild, moderate, severe).

Overall treatment success was defined as post-treatment glabellar line severity of none or mild with at least 2 grade improvement from Baseline for the combined investigator and subject assessments (composite assessment) on Day 30 (Table 6). Additional endpoints for each of the studies were post-treatment glabellar line severity of none or mild with at least a 1 grade improvement from Baseline for the separate investigator and subject assessments on Day 30.

After completion of the randomized studies, subjects were offered participation in a two-year, open-label re-treatment study to assess the safety of multiple treatments.

Table 6. Treatment Success at Day 30 (None or Mild with at least 2 Grade Improvement from Baseline at Maximum Frown for the combined Investigator and Subject Assessments (Composite))

	2 Grade Improvement	
Study	**DYSPORT™ n/N (%)**	**Placebo n/N (%)**
GL-1	58/105 (55%)	0/53 (0%)
GL-2	37/71 (52%)	0/71 (0%)
GL-3	120/200 (60%)	0/100 (0%)

Treatment with DYSPORT™ reduced the severity of glabellar lines for up to four months.

Study GL-1

Study GL-1 was a single dose, double-blind, multi-center, randomized, placebo-controlled study in which 158 previously untreated subjects received either placebo or 50 Units of DYSPORT™, administered in five aliquots of 10 Units (*see* Figure 1). Subjects were followed for 180 days. The mean age was 43 years; most of the subjects were women (85%), and predominantly Caucasian (49%) or Hispanic (47%).At Day 30, 55% of DYSPORT™-treated subjects achieved treatment success: a composite 2 grade improvement of glabellar line severity at maximum frown (Table 6).

In study GL-1, the reduction of glabellar line severity at maximum frown was greater at Day 30 in the DYSPORT™ group compared to the placebo group as assessed by both Investigators and subjects (Table 7).

Table 7. GL-1: Investigator's and Subject's Assessment of Glabellar Line Severity at Maximum Frown Using a 4-point Scale (% and Number of Subjects with Severity of None or Mild)

	Investigator's Assessment		Subject's Assessment	
Day	**DYSPORT™ N=105**	**Placebo N=53**	**DYSPORT™ N=105**	**Placebo N=53**
14	90% 95	17% 9	77% 81	9% 5
30	88% 92	4% 2	74% 78	9% 5
60	64% 67	2% 1	60% 63	6% 3
90	43% 45	6% 3	36% 38	6% 3
120	23% 24	4% 2	19% 20	6% 3
150	9% 9	2% 1	8% 8	4% 2
180	6% 6	0% 0	7% 7	8% 4

Study GL-2

Study GL-2 was a repeat dose, double-blind, multi-center, placebo-controlled, randomized study. The study was initiated with two or three open-label treatment cycles of 50 Units of DYSPORT™ administered in five aliquots of 10 Units DYSPORT™ (*see* Figure 1). After the

open-label treatments, subjects were randomized to receive either placebo or 50 Units of DYSPORT™. Subjects could have received up to four treatments through the course of the study. Efficacy was assessed in the final randomized treatment cycle. The study enrolled 311 subjects into the first treatment cycle and 142 subjects were randomized into the final treatment cycle. Overall, the mean age was 47 years; most of the subjects were women (86%) and predominantly Caucasian (80%).
At Day 30, 52% of DYSPORT™-treated subjects achieved treatment success: a composite 2 grade improvement of glabellar line severity at maximum frown (see Table 6).

The proportion of responders in the final treatment cycle was comparable to the proportion of responders in all prior treatment cycles.

After the final repeat treatment with DYSPORT™, the reduction of glabellar line severity at maximum frown was greater at Day 30 in the DYSPORT™ group compared to the placebo group as assessed by both Investigators and subjects (Table 8).

Table 8. GL-2: Investigator's and Subject's Assessments of Glabellar Line Severity at Maximum Frown Using a 4-point Scale (% and Number of Subjects with Severity of None or Mild)

	Investigator's Assessment		Subject's Assessment	
Day	DYSPORT™ N=71	Placebo N=71	DYSPORT™ N=71	Placebo N=71
30	85% 60	4% 3	79% 56	1% 1

Study GL-3

Study GL-3 was a single dose, double-blind, multi-center, randomized, placebo-controlled study in which 300 previously untreated subjects received either placebo or 50 Units of DYSPORT™, administered in five aliquots of 10 Units (*see* Figure 1). Subjects were followed for 150 days. The mean age was 44 years; most of the subjects were women (87%), and predominantly Caucasian (75%) or Hispanic (18%).

At Day 30, 60% of DYSPORT™-treated subjects achieved treatment success: a composite 2 grade improvement of glabellar line severity at maximum frown (Table 6).

In study GL-3, the reduction of glabellar line severity at maximum frown was greater at Day 30 in the DYSPORT™ group compared to the placebo group as assessed by both Investigators and subjects (Table 9).

Table 9. GL-3: Investigator's and Subject's Assessment of Glabellar Line Severity at Maximum Frown Using a 4-point Scale (% and Number of Subjects with Severity of None or Mild)

	Investigator's Assessment		Subject's Assessment	
Day	DYSPORT™ N=200	Placebo N=100	DYSPORT™ N=200	Placebo N=100
14	83% 166	5% 5	83% 165	2% 2
30	86% 171	0% 0	82% 163	2% 2
60	75% 150	1% 1	65% 130	4% 4
90	51% 102	1% 1	46% 91	2% 2
120	29% 58	1% 1	31% 61	3% 3
150	16% 32	1% 1	16% 31	3% 3

Geriatric Subjects

In GL1, GL2, and GL3, there were 8 subjects aged 65 and older who were randomized to DYSPORT™ 50 Units in 5 equal aliquots of 10 Units (4) or placebo (4). None of the geriatric DYSPORT™ subjects were a treatment success at maximum frown at Day 30.

16 HOW SUPPLIED/STORAGE AND HANDLING

DYSPORT™ for Injection is supplied in a sterile, single-use, 3-mL glass vial. DYSPORT™ must be stored under refrigeration at 2° to 8°C (36° to 46°F). Protect from light.

Administer DYSPORT™ within 4 hours of reconstitution; during this period reconstituted DYSPORT™ should be stored under refrigeration at 2° to 8°C (36° to 46°F). Do not freeze after reconstitution.

Do not use after the expiration date on the vial. All vials, including expired vials, or equipment used with DYSPORT™ should be disposed of carefully as is done with all medical waste.

Cervical Dystonia

Each vial contains 500 Units of freeze-dried abobotulinumtoxinA.

Box containing 1 vial - NDC 15054-0500-1

Box containing 2 vials - NDC 15054-0500-2

Glabellar Lines

Each vial contains 300 Units of freeze-dried abobotulinumtoxinA.

Box containing 1 vial - NDC 99207-500-30

DYSPORT™ contains a unique hologram on the vial label and carton. If you do not see the hologram, do not use the product. Instead contact 877-397-7671 between 7:00 a.m. and 5:00 p.m. Mountain Standard Time, Monday through Friday.

17 PATIENT COUNSELING INFORMATION

The physician should provide a copy of the FDA-Approved Patient Medication Guide and review the contents with the patient. Patients should be advised to inform their doctor or pharmacist if they develop any unusual symptoms (including difficulty with swallowing, speaking or breathing), or if any known symptom persists or worsens.

Patients should be counseled that if loss of strength, muscle weakness, blurred vision or drooping eyelids occur, they should avoid driving a car or engaging in other potentially hazardous activities.

Manufactured by:

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Wrexham, LL13 9UF, UK

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and

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MEDICATION GUIDE
DYSPORT™ (*DIS-port*)
(abobotulinumtoxinA)
Injection

Read the Medication Guide that comes with Dysport™ before you start using it and each time Dysport™ is given to you. There may be new information. This information does not take the place of talking with your doctor about your medical condition or your treatment. You should share this information with your family members and caregivers.

What is the most important information I should know about Dysport™?

Dysport™ may cause serious side effects that can be life threatening. Call your doctor or get medical help right away if you have any of these problems after treatment with Dysport™:

- **Problems swallowing, speaking, or breathing.** These problems can happen hours to weeks after an injection of Dysport™ usually because the muscles that you use to breathe and swallow can become weak after the injection. Death can happen as a complication if you have severe problems with swallowing or breathing after treatment with Dysport™.

- People with certain breathing problems may need to use muscles in their neck to help them breathe. These patients may be at greater risk for serious breathing problems with Dysport™.

- Swallowing problems may last for several weeks. People who can not swallow well may need a feeding tube to receive food and water. If swallowing problems are severe, food or liquids may go into your lungs. People who already have swallowing or breathing problems before receiving Dysport™ have the highest risk of getting these problems.

- **Spread of toxin effects.** In some cases, the effect of botulinum toxin may affect areas of the body away from the injection site and cause symptoms of a serious condition called botulism. The symptoms of botulism include:
    - loss of strength and muscle weakness all over the body
    - double vision
    - blurred vision and drooping eyelids
    - hoarseness or change or loss of voice (dysphonia)
    - trouble saying words clearly (dysarthria)
    - loss of bladder control
    - trouble breathing
    - trouble swallowing

These symptoms can happen hours to weeks after you receive an injection of Dysport™.

These problems could make it unsafe for you to drive a car or do other dangerous activities. See "What should I avoid while receiving Dysport™?".

What is Dysport™?

Dysport™ is a prescription medicine that is injected into muscles and used

- to treat the abnormal head position and neck pain that happens with cervical dystonia (CD) in adults.
- to improve the look of moderate to severe frown lines between the eyebrows (glabellar lines) in adults younger than 65 years of age for a short period of time (temporary).

CD is caused by muscle spasms in the neck. These spasms cause abnormal position of the head and often neck pain. After Dysport™ is injected into muscles, those muscles are weakened for up to 12 to 16 weeks or longer. This may help lessen your symptoms.

Frown lines (wrinkles) happen because the muscles that control facial expression are used often (muscle tightening over and over). After Dysport™ is injected into the muscles that control facial expression, the medicine stops the tightening of these muscles for up to 4 months.

It is not known whether Dysport™ is safe or effective in children under 18 years of age.

It is not known whether Dysport™ is safe or effective for the treatment of other types of muscle spasms. It is not known whether Dysport™ is safe or effective for the treatment of other wrinkles.

Who should not take Dysport™?

Do not take Dysport™ if you:

- are allergic to Dysport™ or any of the ingredients in Dysport™. See the end of this Medication Guide for a list of ingredients in Dysport™
- are allergic to cow's milk protein
- had an allergic reaction to any other botulinum toxin product such as Myobloc® * or Botox® *
- have a skin infection at the planned injection site

What should I tell my doctor before taking Dysport™?

Tell your doctor about all your medical conditions, including if you have:

- a disease that affects your muscles and nerves (such as amyotrophic lateral sclerosis [ALS or Lou Gehrig's disease], myasthenia gravis or Lambert-Eaton syndrome). See "What is the most important information I should know about Dysport™?"

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- allergies to any botulinum toxin product
- had any side effect from any botulinum toxin product in the past
- a breathing problem, such as asthma or emphysema
- swallowing problems
- bleeding problems
- diabetes
- a slow heart beat or other problem with your heart rate or rhythm
- plans to have surgery
- had surgery on your face
- weakness of your forehead muscles (such as trouble raising your eyebrows)
- drooping eyelids
- any other change in the way your face normally looks

Tell your doctor if you:

- are pregnant or plan to become pregnant. It is not known if Dysport™ can harm your unborn baby.
- are breast-feeding or planning to breastfeed. It is not known if Dysport™ passes into breast milk.

Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins and herbal and other natural products. Using Dysport™ with certain other medicines may cause serious side effects. **Do not start any new medicines while taking Dysport™ without talking to your doctor first.**

Especially tell your doctor if you:

- have received any other botulinum toxin product in the last four months
- have received injections of botulinum toxin, such as Myobloc® (Botulinum Toxin Type B)† or Botox® (Botulinum Toxin Type A)† in the past; be sure your doctor knows exactly which product you received.
- have recently received an antibiotic by injection
- take muscle relaxants
- take an allergy or cold medicine
- take a sleep medicine

Ask your doctor if you are not sure if your medicine is one that is listed above.

Know the medicines you take. Keep a list of your medicines with you to show your doctor and pharmacist each time you get a new medicine.

How should I take Dysport™?

- Dysport™ is an injection that your doctor will give you.
- Dysport™ is injected into the affected muscles.

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- Your doctor may give you another dose of Dysport™ after 12 weeks or longer, if it is needed.
- If you are being treated for CD, your doctor may change your dose of Dysport™, until you and your doctor find the best dose for you.
- The dose of Dysport™ is not the same as the dose of any other botulinum toxin product.

What should I avoid while taking Dysport™?

Dysport™ may cause loss of strength or general muscle weakness, blurred vision, or drooping eyelids within hours to weeks of taking Dysport™. **If this happens, do not drive a car, operate machinery, or do other dangerous activities. See "What is the most important information I should know about Dysport™?"**

What are the possible side effects of Dysport™?

Dysport can cause serious side effects. See "What is the most important information I should know about Dysport™?"

Other side effects of Dysport™ include:

- dry mouth
- injection site discomfort or pain
- tiredness
- headache
- neck pain
- muscle pain
- eye problems: double vision, blurred vision, decreased eyesight, problems with focusing the eyes (accommodation), drooping eyelids, swelling of the eyelids
- allergic reactions. Symptoms of an allergic reaction to Dysport™ may include: itching, rash, red itchy welts, wheezing, asthma symptoms, or dizziness or feeling faint. Tell your doctor or get medical help right away if you get wheezing or asthma symptoms, or if you get dizzy or faint.

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of Dysport™. For more information, ask your doctor or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1–800–FDA–1088.

General information about Dysport™:

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide.

This Medication Guide summarizes the most important information about Dysport™. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about Dysport™ that is written for healthcare professionals. For more information about Dysport™ call 1-877-397-7671 or go to www.dysport.com or www.DysportUSA.com.

What are the ingredients in Dysport™?

Active ingredient: (botulinum toxin Type A)
Inactive ingredients: human albumin, and lactose. Dysport™ may contain cow's milk protein.

Issued Month Year

This Medication Guide has been approved by the U.S. Food and Drug Administration.

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BLA STN 125274 AND 125286 DYSPORT™ (ABOBOTULINUMTOXINA)

Acetylcholine release inhibitor and neuromuscular blocking agent

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NEW PROPOSED RISK EVALUATION AND MITIGATION STRATEGY (REMS)

I GOAL(S)

DYSPORT™ (abobotulinumtoxinA) is a botulinum toxin product that acts as an acetylcholine release inhibitor and neuromuscular blocking agent. The potency units of DYSPORT are specific to the preparation and assay method utilized. They are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSPORT™ cannot be compared to or converted into units of any other botulinum toxin products assessed with any other specific assay method.

The goal of the REMS is to ensure that the potential benefits of treatment with DYSPORT™ for the treatment of Cervical Dystonia and Glabellar Lines outweigh the potential risks of:

- Medication errors related to the lack of interchangeability of DYSPORT™ units with those of toxins of other manufacturers; and
- the potential for the occurrence of distant spread of toxin effect beyond the injection site discussed in the Warnings and Precautions section of the package insert.

II REMS ELEMENTS

The DYSPORT™ REMS includes a Medication Guide for patients and a Communication Plan which are further detailed below. The purposes of the REMS elements are to ensure that the potential benefits of treatment with DYSPORT™ for the treatment of Cervical Dystonia and Glabellar Lines outweigh the potential risks.

A Medication Guide

A Medication Guide will be dispensed with each DYSPORT™ prescription (see REMS Appendix 2).

DYSPORT™ is available in cartons containing either a single or two 500 Unit vials of DYSPORT™ or a single 300 Unit vial of DYSPORT™. The Medication Guide is inserted inside the carton with the vial(s) of DYSPORT. A Medication Guide will be provided for each vial of DYSPORT™. The carton prominently states "Dispense the enclosed Medication Guide to each patient". Each Medication Guide is inspected to ensure that the correct version is being used and that the component is available for insertion into each carton of DYSPORT™.

Because the Medication Guide is included as part of the secondary package for DYSPORT™, IPSEN has met the requirements of 21 CFR 208.24 for distribution and dispensing of the Medication Guide.

B Communication Plan

Ipsen will implement a communication plan to healthcare providers to support the implementation of this REMS.

The primary objectives of this Communication Plan are to ensure that the potential risk of serious adverse reactions due to the distant spread of effect of botulinum toxin is minimized when DYSPORT™ is being used in the approved indication for Cervical Dystonia and Glabellar Lines and to inform physicians of the lack of interchangeability of DYSPORT™ units with those of toxins of other manufacturers.

Ipsen will provide a Dear Healthcare Provider Letter (See REMS Appendix 1) to healthcare professionals involved in the prescribing, dispensing, or administration of DYSPORT™. The Dear Healthcare Provider Letter will be distributed at launch of the approval of DYSPORT™ to neurologists, dermatologists, and other specialties and healthcare professional staff who prescribe or inject DYSPORT™ or other botulinum toxin products (i.e., physical medical and rehabilitation specialists, dermatologists, ophthalmologists and other specialists who have previously dispensed botulinum toxins).

C Elements to Assure Safe Use

The REMS for DYSPORT™ does not require Elements to Assure Safe Use.

D Implementation System

The REMS for DYSPORT™ does not require an Implementation System.

E Timetable for Submission of Assessments

Ipsen will continually review the success of the Communication Plan and make any changes necessary to ensure efficient communication of the potential risks to patients and treating physicians. In particular, the number and nature of reports of

undesirable effects, medication errors indicated by the lack of effect, overdose, etc. will be carefully monitored.

The estimated timetable for Submission of Assessments is as follows:

- 1st Assessment: 18 months from product launch
- 2nd Assessment: 3 years from product launch
- 3rd Assessment: 7 years from product launch

Ipsen will submit the assessments within 60 days of the close of the intervals as noted above.

DYSPORT™ New Proposed REMS Appendix 1: Dear Healthcare Provider Letter

Dear Healthcare Provider Letter for the treatment of Cervical Dystonia

Announcing the Approval of DYSPORT™ (abobotulinumtoxinA)

Dear Healthcare Provider:

Ipsen Biopharm Limited, the makers of DYSPORT™, and Tercica, Inc. the distributor of the product for medical use, would like to notify you that DYSPORT™ has been approved for the treatment of adults with cervical dystonia to reduce the severity of abnormal head position and neck pain in both botulinum toxin-naïve and previously treated patients. DYSPORT™ has also been approved for the temporary improvement in the appearance of moderate to severe glabellar lines associated with procerus and corrugator muscle activity in adult patients <65 years of age. DYSPORT™ (abobotulinumtoxinA) is a botulinum toxin product that acts as an acetylcholine release inhibitor and neuromuscular blocking agent.

In order to ensure that the benefits of DYSPORT™ treatment outweigh the potential risks of DYSPORT™ treatment, a Risk Evaluation and Mitigation Strategy has been implemented. The goals of the Risk Evaluation and Mitigation Strategy are:

- to reduce the potential for medication errors related to the lack of interchangeability of DYSPORT™ units with those of other botulinum toxin products from other manufacturers, and
- to communicate the potential for the distant spread of toxin effect beyond the injection site.

Non-Interchangeability of botulinum toxin Units:
It is important to note that the potency units of DYSPORT™ are specific to the preparation and assay method utilized. They are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSPORT™ cannot be compared to or converted into units of any other botulinum toxin products assessed with any other specific assay method.

The approved DYSPORT™ starting dose for the treatment of cervical dystonia in botulinum toxin-naïve and previously treated patients is 500 Units. Further doses of DYSPORT™ to treat cervical dystonia should be given no less than 12 weeks apart. Depending on patient response, doses may be increased or decreased in 250 Unit increments. The maximum recommended dose for cervical dystonia is 1000 Units every 12 weeks.

The approved total dose of DYSPORT™ for the temporary improvement of glabellar lines is 50 Units given in 5 equal aliquots in naïve and previously treated patients. When used for retreatment, DYSPORT™ should be administered no more frequently than every 3 months.

When prescribing DYSPORT™ to your patients, please take care to appropriately document DYSPORT™'s unique established drug name *"abobotulinumtoxinA"* to reduce the potential for medication errors that may arise from confusion between botulinum toxins from different manufacturers.

Spread of Toxin Effect:
All botulinum toxins including DYSPORT™ have the potential to cause clinically detectable effects that occur in areas beyond and not contiguous with the site of injection. These effects are consistent with the pharmacological action of botulinum toxin. The risk of adverse events may be reduced by using the lowest effective dose and not exceeding the recommended dose for each indication.

Patients with, or at risk of, peripheral motor neuropathic diseases, amyotrophic lateral sclerosis, or neuromuscular junction disorders (e.g., myasthenia gravis or Lambert-Eaton syndrome) should be closely supervised when treated with DYSPORT™.

Patients and/or their care partner should be informed of the potential risk of distant spread of botulinum toxin effect associated with the use of DYSPORT™. They should be instructed to recognize the early symptoms of toxicity (difficulty swallowing, breathing, or speaking) and urged to seek immediate medical advice if they experience any of them. Patients and/or their care partner should also be instructed to inform other healthcare providers about their use of botulinum toxin when being treated for other medical conditions.

Information on the Spread of Toxin Effect (Boxed Warning and section 5.2), Dysphagia and Breathing Difficulties in the Treatment of Cervical Dystonia (section 5.3), and Pre-Existing Neuromuscular Disorders (section 5.5) is provided in the enclosed copy of the FDA approved DYSPORT™ Full Prescribing Information as well as below.

Distant Spread of Toxin Effect

Postmarketing reports indicate that the effects of DYSPORT™ and all botulinum toxin products may spread from the area of injection to produce symptoms consistent with botulinum toxin effects. These may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death. The risk of symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses, including spasticity in children and adults, and in approved indications, cases of spread of effect have been reported at doses comparable to those used to treat cervical dystonia and at lower doses.

5 WARNINGS AND PRECAUTIONS

5.2 Spread of Toxin Effect

Postmarketing safety data from DYSPORT™ and other approved botulinum toxins suggest that botulinum toxin effects may, in some cases, be observed beyond the site of local injection. The symptoms are consistent with the mechanism of action of botulinum toxin and may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death related to spread of toxin effects. The risk of the symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, and particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses, including spasticity in children and adults, and in approved indications, symptoms consistent with the spread of toxin effect have been reported at doses comparable to or lower than doses used to treat cervical dystonia.

5.3 Dysphagia and Breathing Difficulties in Treatment of Cervical Dystonia

Treatment with DYSPORT™ and other botulinum toxin products can result in swallowing or breathing difficulties. Patients with pre-existing swallowing or breathing difficulties may be more susceptible to these complications. In most cases, this is a consequence of weakening of muscles in the area of injection that are involved in breathing or

swallowing. When distant effects occur, additional respiratory muscles may be involved [see Warnings and Precautions (5.2)].

Deaths as a complication of severe dysphagia have been reported after treatment with botulinum toxin. Dysphagia may persist for several weeks, and require use of a feeding tube to maintain adequate nutrition and hydration. Aspiration may result from severe dysphagia and is a particular risk when treating patients in whom swallowing or respiratory function is already compromised.

Treatment of cervical dystonia with botulinum toxins may weaken neck muscles that serve as accessory muscles of ventilation. This may result in a critical loss of breathing capacity in patients with respiratory disorders who may have become dependent upon these accessory muscles. There have been post marketing reports of serious breathing difficulties, including respiratory failure, in cervical dystonia patients.

Patients treated with botulinum toxin may require immediate medical attention should they develop problems with swallowing, speech or respiratory disorders. These reactions can occur within hours to weeks after injection with botulinum toxin [see Warnings and Precautions (5.2) and Adverse Reactions (6.1)].

5.5 Pre-Existing Neuromuscular Disorders
Individuals with peripheral motor neuropathic diseases, amyotrophic lateral sclerosis, or neuromuscular junction disorders (e.g., myasthenia gravis or Lambert-Eaton syndrome) should be monitored particularly closely when given botulinum toxin. Patients with neuromuscular disorders may be at increased risk of clinically significant systemic effects including severe dysphagia and respiratory compromise from typical doses of DYSPORT™ [see Adverse Reactions (6.1)].

Patient Medication Guide:
One of the elements of the Risk Evaluation and Mitigation Strategy is the FDA approved Patient Medication Guide. When discussing the risks above and other risks identified in the Full Prescribing Information with patients and/or their care partner, you must provide them with a copy of the Patient Medication Guide enclosed with each vial of DYSPORT™. The Patient Medication Guide and Full Prescribing Information are also available from your local Tercica, Inc. sales representative, on our website at www.dysport.com, or by calling 1-877-397-7671.

Finally, please remember to report suspected adverse reactions associated with DYSPORT™ treatment at 1-877-397-7671 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

We look forward to serving you and your patients.

Best regards,

Tercica Inc.
Brisbane, CA

Dear Healthcare Provider Letter for the treatment of Glabellar lines

Announcing the Approval of DYSPORT™ (abobotulinumtoxinA)

Dear Healthcare Provider:

Ipsen Biopharm Limited, the makers of DYSPORT™, and Medicis Aesthetics, Inc. the distributor of the product for aesthetic use, would like to notify you that DYSPORT™ has been approved for the temporary improvement in the appearance of moderate to severe glabellar lines associated with procerus and corrugator muscle activity in adult patients <65 years of age. DYSPORT™ has also been approved for the treatment of adults with cervical dystonia to reduce the severity of abnormal head position and neck pain in both botulinum toxin-naïve and previously treated patients. DYSPORT™ (abobotulinumtoxinA) is a botulinum toxin product that acts as an acetylcholine release inhibitor and neuromuscular blocking agent.

In order to ensure that the benefits of DYSPORT™ treatment outweigh the potential risks of DYSPORT™ treatment, a Risk Evaluation and Mitigation Strategy has been implemented. The goals of the Risk Evaluation and Mitigation Strategy are:

- to reduce the potential for medication errors related to the lack of interchangeability of DYSPORT™ units with those of other botulinum toxin products from other manufacturers, and
- to communicate the potential for the distant spread of toxin effect beyond the injection site.

Non-Interchangeability of botulinum toxin Units:
It is important to note that the potency units of DYSPORT™ are specific to the preparation and assay method utilized. They are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSPORT™ cannot be compared to or converted into units of any other botulinum toxin products assessed with any other specific assay method.

The approved total dose of DYSPORT™ for the temporary improvement of glabellar lines is 50 Units given in 5 equal aliquots in naïve and previously treated patients. When used for retreatment, DYSPORT™ should be administered no more frequently than every 3 months.

The approved DYSPORT™ starting dose for the treatment of cervical dystonia in botulinum toxin-naïve and previously treated patients is 500 Units. Further doses of DYSPORT™ to treat cervical dystonia should be given no less than 12 weeks apart. Depending on patient response, doses may be increased or decreased in 250 Unit

increments. The maximum recommended dose for cervical dystonia is 1000 Units every 12 weeks.

When prescribing DYSPORT™ to your patients, please take care to appropriately document DYSPORT's unique established drug name *"abobotulinumtoxinA"* to reduce the potential for medication errors that may arise from confusion between botulinum toxins from different manufacturers.

Spread of Toxin Effect:
All botulinum toxins including DYSPORT™ have the potential to cause clinically detectable effects that occur in areas beyond and not contiguous with the site of injection. These effects are consistent with the pharmacological action of botulinum toxin. The risk of adverse events may possibly be reduced by using the lowest effective dose and not exceeding the recommended dose for each indication.

Patients with, or at risk of, peripheral motor neuropathic diseases, amyotrophic lateral sclerosis, or neuromuscular junction disorders (e.g., myasthenia gravis or Lambert-Eaton syndrome) should be closely supervised when treated with DYSPORT™.

Patients and/or their care partner should be informed of the potential risk of distant spread of botulinum toxin effect associated with the use of DYSPORT™. They should be instructed to recognize the early symptoms of toxicity (difficulty swallowing, breathing, or speaking) and urged to seek immediate medical advice if they experience any of them. Patients and/or their care partner should also be instructed to inform other healthcare providers about their use of botulinum toxin when being treated for other medical conditions.

Information on the Spread of Toxin Effect (Boxed Warning and section 5.2), Dysphagia and Breathing Difficulties in the Treatment of Cervical Dystonia (section 5.3), and Pre-Existing Neuromuscular Disorders (section 5.5) is provided in the enclosed copy of the FDA approved DYSPORT™ Full Prescribing Information as well as below.

Distant Spread of Toxin Effect

Postmarketing reports indicate that the effects of DYSPORT™ and all botulinum toxin products may spread from the area of injection to produce symptoms consistent with botulinum toxin effects. These may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms can occur hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death. The risk of symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses, including spasticity in children and adults, and in approved indications, cases of spread of effect have been reported at doses comparable to those used to treat cervical dystonia and at lower doses.

5 WARNINGS AND PRECAUTIONS

5.2 Spread of Toxin Effect

Postmarketing safety data from DYSPORT™ and other approved botulinum toxins suggest that botulinum toxin effects may, in some cases, be observed beyond the site of local injection. The symptoms are consistent with the mechanism of action of botulinum toxin and may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms can occur hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death related to spread of toxin effects. The risk of the symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, and particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses, including spasticity in children and adults, and in approved indications, symptoms consistent with the spread of toxin effect have been reported at doses comparable to or lower than doses used to treat cervical dystonia.

5.3 Dysphagia and Breathing Difficulties in Treatment of Cervical Dystonia

Treatment with DYSPORT™ and other botulinum toxin products can result in swallowing or breathing difficulties. Patients with pre-existing swallowing or breathing difficulties may be more susceptible to these complications. In most cases, this is a consequence of weakening of muscles in the area of injection that are involved in breathing or

swallowing. When distant effects occur, additional respiratory muscles may be involved [see Warnings and Precautions (5.2)].

Deaths as a complication of severe dysphagia have been reported after treatment with botulinum toxin. Dysphagia may persist for several weeks, and require use of a feeding tube to maintain adequate nutrition and hydration. Aspiration may result from severe dysphagia and is a particular risk when treating patients in whom swallowing or respiratory function is already compromised.

Treatment of cervical dystonia with botulinum toxins may weaken neck muscles that serve as accessory muscles of ventilation. This may result in a critical loss of breathing capacity in patients with respiratory disorders who may have become dependent upon these accessory muscles. There have been post marketing reports of serious breathing difficulties, including respiratory failure, in cervical dystonia patients.

Patients treated with botulinum toxin may require immediate medical attention should they develop problems with swallowing, speech or respiratory disorders. These reactions can occur within hours to weeks after injection with botulinum toxin [see Warnings and Precautions (5.2) and Adverse Reactions (6.1)].

5.5 Pre-Existing Neuromuscular Disorders
Individuals with peripheral motor neuropathic diseases, amyotrophic lateral sclerosis, or neuromuscular junction disorders (e.g., myasthenia gravis or Lambert-Eaton syndrome) should be monitored particularly closely when given botulinum toxin. Patients with neuromuscular disorders may be at increased risk of clinically significant systemic effects including severe dysphagia and respiratory compromise from typical doses of DYSPORT™ [see Adverse Reactions (6.1)].

Patient Medication Guide:
One of the elements of the Risk Evaluation and Mitigation Strategy is the FDA approved Patient Medication Guide. When discussing the risks above and other risks identified in the Full Prescribing Information with patients and/or their care partner, you must provide them with a copy of the Patient Medication Guide enclosed with each vial of DYSPORT™. The Patient Medication Guide and Full Prescribing Information are also available from your local Medicis Aesthetics, Inc. sales representative, on our website at www.DysportUSA.com, or by calling 1-877-397-7671.

Finally, please remember to report suspected adverse reactions associated with DYSPORT™ treatment at 1-877-397-7671 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

We look forward to serving you and your patients.

Best regards,

Medicis Aesthetics, Inc.
Scottsdale, AZ

HEALTH CARE PROVIDER SURVEY

Date of the Survey: |_|_|.|_|_|.|_|_|_|_|
M M D D Y Y Y Y

HEALTH CARE PROVIDER's details:

First name: |_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

Last Name: |_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

Address: _____

_____

Phone: _____ Fax: _____

Email: _____

Specialty (select one):

- Neurologist
- Physical Medicine & Rehabilitation Specialist
- Dermatologist
- If other please specify: _____

Before conducting the survey, inform the HEALTH CARE PROVIDER of the following:

"DYSPORT™ (abobotulinumtoxinA) is a botulinum toxin product that acts as an acetylcholine release inhibitor and neuromuscular blocking agent."

Experience with botulinum toxin injection and screening criteria:

You use DYSPORT™ to treat:

(a) adults with cervical dystonia to reduce the severity of abnormal head position, disability and neck pain in both toxin naïve and previously treated patients (please answer questions 1 – 12)

(b) the temporary improvement in the appearance of moderate to severe glabellar lines associated with procerus and corrugator muscle activity in adult patients < 65 years of age (please answer questions 1 – 8, and 13 – 14)

(c) Both (please answer all questions)

Number of years since first botulinum toxin injection (excluding DYSPORT™):

(a) < 1 year

(b) 1 year – 3 years

(c) >3 years

Number of patients treated with DYSPORT™ injections each week:

(a) <10 patients
(b) 10-20 patients
(c) >20 patients

Number of months since first patient treated with DYSPORT™ injection:

(a) < 6 months
(b) 6 - 12 months
(c) >12 months
(d) I have not treated a patient with DYSPORT™

Number of patients treated with botulinum toxin injections each week:

(a) <10 patients
(b) 10-20 patients
(c) >20 patients

Physician Survey Questions:

(1) The dosing Units of DYSPORT™ are specific to the preparation and are not interchangeable with units of other botulinum toxin products.
   (a) True
   (b) False

(2) When treated with botulinum toxin A patients should be instructed to seek immediate medical advice if they experience:
   (a) Difficulty swallowing or breathing
   (b) Muscle weakness
   (c) Blurred Vision
   (d) Difficulty Speaking
   (e) a and b only
   (f) All of the above

(3) All botulinum toxins should be used with caution in patients with, or at risk of:

(a) Defective neuromuscular transmission

(b) Lambert-Eaton syndrome

(c) Both of the above

(d) Neither of the above

(4) Treatment with DYSPORT™ can result in swallowing or breathing difficulties. Patients with pre-existing swallowing or breathing difficulties may be more susceptible to these complications.

(a) True

(b) False

(5) In order to minimize the risk of serious reactions from botulinum toxin effect spreading in the body beyond the site where it was injected, you should:

(a) Use the lowest effective dose

(b) Avoid intravenous injection

(c) Both of the above

(d) Neither of the above

(6) What resources are available to physicians related to the approved dosing for cervical dystonia and glabellar lines?

(a) The DYSPORT™ full prescribing information

(b) The DYSPORT™ product website

(c) Both

(7) What resources are available to help physicians communicate important information related to the potential for spread of toxin effect to patients?

(a) The DYSPORT™ Patient Medication Guide

(b) The DYSPORT™ full prescribing information

(c) The DYSPORT™ product website

(d) All of the above

(8) Physicians should use caution when using DYSPORT™ with which of the following concomitant treatments?

(a) Aminoglycosides

(b) Anticholinergic agents

(c) Curare-like agents

(d) All of the above

(e) None of the above.

If you treat patients for cervical dystonia, answer questions 9-12.

(9) What is the recommended starting dose of DYSPORT™ given intramuscularly as a divided dose amongst the affected muscles for the treatment of cervical dystonia?

(a) 150 Units

(b) 250 Units

(c) 500 Units

(d) 750 Units

(10) What is the incremental or decremental change in dose that can be used to titrate DYSPORT™ to optimize clinical effect for the treatment of cervical dystonia?

(a) 150 Units

(b) 250 Units

(c) 500 Units

(d) 750 Units

(11) What is the maximum recommended dose of DYSPORT™ for the treatment of cervical dystonia?

(a) 500 Units

(b) 750 Units

(c) 1000 Units

(d) 2000 Units

(12) To properly reconstitute a 500 U vial of DYSPORT™ for the treatment of cervical dystonia, dilute with ___ ml of 0.9% sodium chloride for injection USP. (Insert correct amount)

If you treat patients for glabellar lines, answer questions 13-14.

(13) What is the recommended dose of DYSPORT™ for the treatment of glabellar lines?

(a) 25 Units

(b) 50 Units

(c) 150 Units

(d) 300 Units

(14) To properly reconstitute a 300 U vial of DYSPORT™ for the treatment of glabellar lines, dilute with ___ or ___ ml of 0.9% sodium chloride for injection USP. (Insert correct amount)

PATIENT SURVEY

Date of the Survey: |__|__|.|__|__|.|__|__|__|__|
M M D D Y Y Y Y

Patient details:
Initials: |__| |__| |__|
First Middle Last

Before conducting the survey, inform the patient of the following:

"DYSPORT™ (abobotulinumtoxinA) is a botulinum toxin product that acts as an acetylcholine release inhibitor and neuromuscular blocking agent."

Inclusion Criteria (Patient Response must be "YES" to participate in survey)		
Criterion	**YES**	**NO**
Have you been treated with Dysport for Cervical Dystonia?		
In the past 12 months, have you received DYSPORT™ as treatment for your Cervical Dystonia?		
Have you been treated with Dysport for Glabellar Lines?		
In the past 12 months, have you received DYSPORT™ as treatment for your Glabellar Lines?		

Patient Survey Questions:

(1) Did your healthcare provider give you the FDA approved DYSPORT™ Patient Medication Guide?

(a) Yes
(b) No
(c) I don't know

(2) After receiving DYSPORT™, you should get medical help right away if you have which of the following (Please select one of the following):

(a) Trouble breathing or swallowing
(b) Trouble speaking
(c) Blurred Vision
(d) All of the above plus any other condition that concerns you
(e) None of the above
(f) You are unsure

(3) DYSPORT™ is used to treat the symptoms of cervical dystonia (CD) in adults.

(a) TRUE
(b) FALSE
(c) I am unsure

(4) DYSPORT™ is used to treat the symptoms of glabellar lines in adults.

(a) TRUE
(b) FALSE
(c) I am unsure

(5) You should inform your treating physician before treatment if you have ever experienced which of the following (Please select all that apply):

(a) Difficulty breathing or swallowing
(b) Vision problems or droopy eyelids
(c) Any surgery of the face
(d) Any condition which affects the ability of muscles to function (e.g., myasthenia gravis)
(e) Any condition which causes you to have a concern about treatment with botulinum toxin

(6)You should inform your treating physician before treatment if you (Please select all that apply):

(a) Are taking other prescription drugs
(b) Are taking other over the counter drugs
(c) Are taking any herbal or other treatments
(d) Have had an allergic reaction with any botulinum toxin product
(e) Are being treated with any other botulinum toxin product

(7) You should contact your physician if you feel differently or experience symptoms which could indicate a reaction to treatment with botulinum toxin if you experience these (Please select all that apply):

(a) Within hours of the injection

(b) Within days of the injection

(c) Within weeks if the injection

(d) Only if you are certain that the symptoms are related to the treatment

(e) You are not sure

(8) After reviewing the FDA approved DYSPORT™ Medication Guide and discussing the potential risks and benefits of treatment with DYSPORT™ with your healthcare provider, do you feel that your questions were adequately answered?

(a) Yes

(b) No

If no, please provide further details of what questions were unanswered after discussing with your Health Care Provider.

_____

_____

_____

_____