

## **International consensus recommendations on treatment of upper face wrinkles using the botulinum toxin type A (Speywood Unit) newly approved for aesthetic usages**

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**Background:** Botulinum toxin type A [BoNT-A] (Speywood Unit, Galderma) specifically designed for aesthetic indications has recently received approval for the treatment of glabellar lines in 15 European countries.

**Methods:** A panel of international experts with extensive experience with BoNT-A (Speywood Unit) developed consensus recommendations in treatment of facial wrinkles.

**Results:** BoNT-A (Speywood Unit) should be reconstituted into a final concentration of 10 Speywood Units (s.U)/0.05 mL. For treatment of glabellar lines, 5 injection points are recommended in the procerus and corrugators with 10 s.U per point, 0.5 to 1 cm from the orbital rim. For treatment of forehead wrinkles, 4 to 5 superficial intramuscular injections into the frontalis are recommended, with 5 to 10 s.U per point. For treatment of crow's feet, the panel members recommended 3 superficial intramuscular injections per side with 5 to 10 s.U per point at the lateral part of orbicularis oculi. For treatment of lateral eyebrow lift, the panel members recommended one point at each eyebrow tail and an additional one in each side of the frontalis, with 5 to 10 s.U per point and superficial intramuscular injection. In addition, simple and safe guidance for anatomical landmarks, injection depth and orientation of the needle were provided. Safety precautions and potential adverse events for each indication were also discussed, as well as the basis for dose adjustment among individuals.

**Conclusion:** These international consensus recommendations enable users of BoNT-A (Speywood Unit) to perform safe and efficacious injections based on a broad international consensus.

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