### The Psychological Impacts of Horizontal Frontalis Lines, Glabellar Lines, and Lateral Canthal Lines: Qualitative, Patient-Centered Studies

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#### INTRODUCTION

- Facial lines are a sensitive sign of aging, taking on a different meaning due to the psychological impact of facial aging.
- With age, these upper facial lines (UFL) tend to become static and visible, even when facial muscles are at rest.
- The psychological impact of UFL on self-perception and may have a variety of psychological impacts, including looking older, feeling less attractive, feeling less confident, feeling bothering, feeling self-conscious, and feeling less attractive.

#### OBJECTIVE

- To determine the psychological impact of UFL, individually and as a group, on self-perception.
- To evaluate whether the Facial Lines Outcome Domains (FLO-11) questionnaire can be used as a tool to determine the psychological impact of UFL on self-perception.

#### METHODS

- Qualitative research studies (Figures 3A and 3B). Subjects were recruited to participate in the study through their dermatologist or plastic surgeon. The study design included a qualitative research study to understand the psychological impact of UFL on self-perception.
- The psychological impact of UFL on self-perception was assessed using a qualitative research study. The study included a qualitative interview to understand the psychological impact of UFL on self-perception.

#### RESULTS

- **Study 1:** 26 subjects with moderate or severe CFL were recruited. The subjects were asked to participate in a study to understand the psychological impact of UFL on self-perception.
- **Study 2:** 24 subjects with moderate or severe FHL were recruited. The subjects were asked to participate in a study to understand the psychological impact of UFL on self-perception.

#### CONCLUSIONS

- The most common psychological impacts of CFL were looking older, feeling less attractive, feeling less confident, and feeling bothering.
- The most common psychological impacts of FHL were looking older than desired, feeling less attractive, feeling less confident, and feeling bothering.
- The most common psychological impacts of UFL were looking older, feeling less attractive, feeling less confident, and feeling bothering.

#### REFERENCES

3. Botulinum toxin treatment within 6 months prior to the interview.