**Corrective Jaw Surgery Improves First Impressions**

Orthognathic surgery or corrective jaw surgery improves head and neck functions in subjects with developmental jaw deformities.

Before/after images of 20 subjects who underwent corrective jaw surgery... were hosted on a crowdsourcing platform to compare...

...laypersons’ perceptions of the subjects before and after surgery.

- 6 Personality traits
- 6 Emotional expressions

After surgery, laypersons’ perceptions of subjects were...

<table>
<thead>
<tr>
<th>500 respondents</th>
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<tbody>
<tr>
<td>71% Whites</td>
</tr>
<tr>
<td>59% Male</td>
</tr>
<tr>
<td>52% Aged 25–34 years</td>
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Perceived personality:
- Dominant ↑
- Trustworthy ↑
- Friendly ↑
- Intelligent ↑
- Attractive ↑
- Threatening ↓

Perceived emotions:
- Happier
- Angrier
- Surprised
- Sad
- Afraid
- Disgusted

Orthognathic surgery positively impacts the perceived personality and facial expressions of subjects.

Orthognathic Surgery has a Significant Positive Effect on Perceived Personality Traits and Perceived Emotional Facial Expressions in Subjects with Primary Maxillary Deficiency

Posnick et al. (2018) | DOI: 10.1097/GOX.0000000000002198

But, its effect on laypersons’ perception of the subject’s personality traits and emotional facial expressions has not yet been quantified.