Supplementary material

Supplementary Table 1. Differences in the onset of DD in varies types of dentofacial deformities.

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| Author | Sample age (YO) | Sample size | Types of dentofacial deformity | Prevalence | Other conclusions |
| Sagittal |
|  | Ooi [18] (2018) | 14–48 | 121 | Skeletal class II | 56.1% |  |
| Skeletal class III | 19.3% |  |
| Jung [23](2013) | 18–38 | 460 | Skeletal class II | 88.1% |  |
| Skeletal class III | 43.6% |  |
| Skeletal class I | 78.4% |  |
| Tagawa [19] (2022) | 6–14 | 78 | Angle class III | 30.3% | Disc shape showed differences among three groups. |
| Angle class III subdivision | 12.2% |
| Normal occlusion | 0.0% |
| Vertical and horizontal |
|  | Ooi [18] (2018) | 14–48 | 121 | Skeletal class II with open bite | 59.5% |  |
| Skeletal class II with asymmetry | 50.0% |  |
| Skeletal class III with open bite | 14.5% |  |
| Skeletal class III with asymmetry | 32.4% |  |
| Jung [23] (2013) | 18–38 | 460 | Hypodivergent | 54.5% |  |
| Normodivergent | 74.5% |  |
| Hyperdivergent | 80.1% |  |
| Ooi [24] (2020) | Unreported | 30 |  |  | Unilateral DDwoR was seen only on the asymmetric side |

Abbreviation: YO: years old. DDwoR: disc displacement without reduction.