

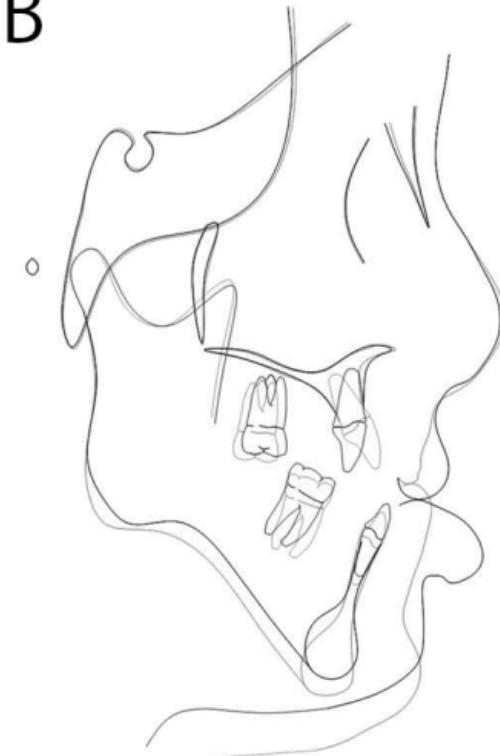
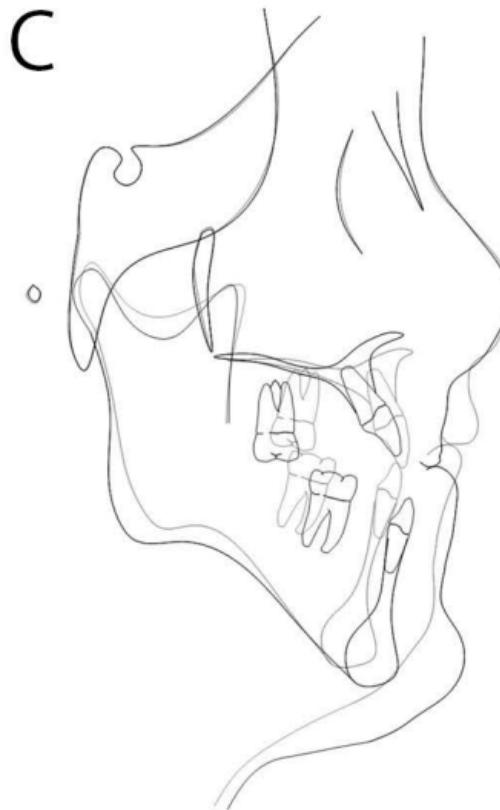
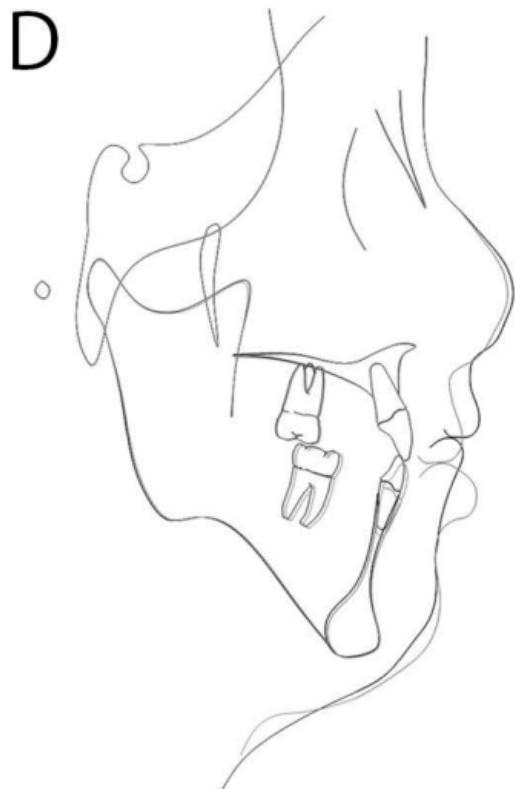


Title	Surgical and orthodontic approach for a patient with a severely constricted maxillary arch caused by bilateral cleft lip and palate
Author(s)	Oka, Ayaka; Kurosaka, Hiroshi; Nakatsugawa, Kohei et al.
Citation	Orthodontic Waves. 2020, 79(2/3), p. 127-134
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URL	https://hdl.handle.net/11094/103596
rights	This is an Accepted Manuscript version of the following article, accepted for publication in Orthodontic Waves. Oka A., Kurosaka H., Nakatsugawa K., et al. Surgical and orthodontic approach for a patient with a severely constricted maxillary arch caused by bilateral cleft lip and palate. Orthodontic Waves 79(2/3), pp. 127-134 (2020). It is deposited under the terms of the Creative Commons Attribution-NonCommercial License (http://creativecommons.org/licenses/by-nc/4.0/), which permits non-commercial re-use, distribution, and reproduction in any medium, provided the original work is properly cited.
Note	

The University of Osaka Institutional Knowledge Archive : OUKA

<https://ir.library.osaka-u.ac.jp/>

The University of Osaka

A**B****C****D**

Initial (9Y, 0M)

Pre-SARPE (18Y, 8M)

Pre-SARPE (18Y, 8M)

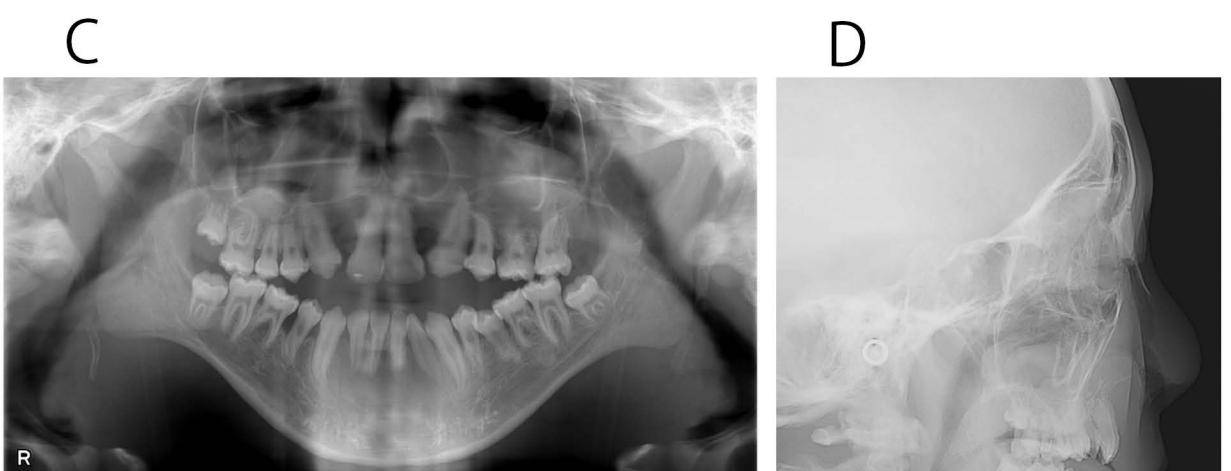
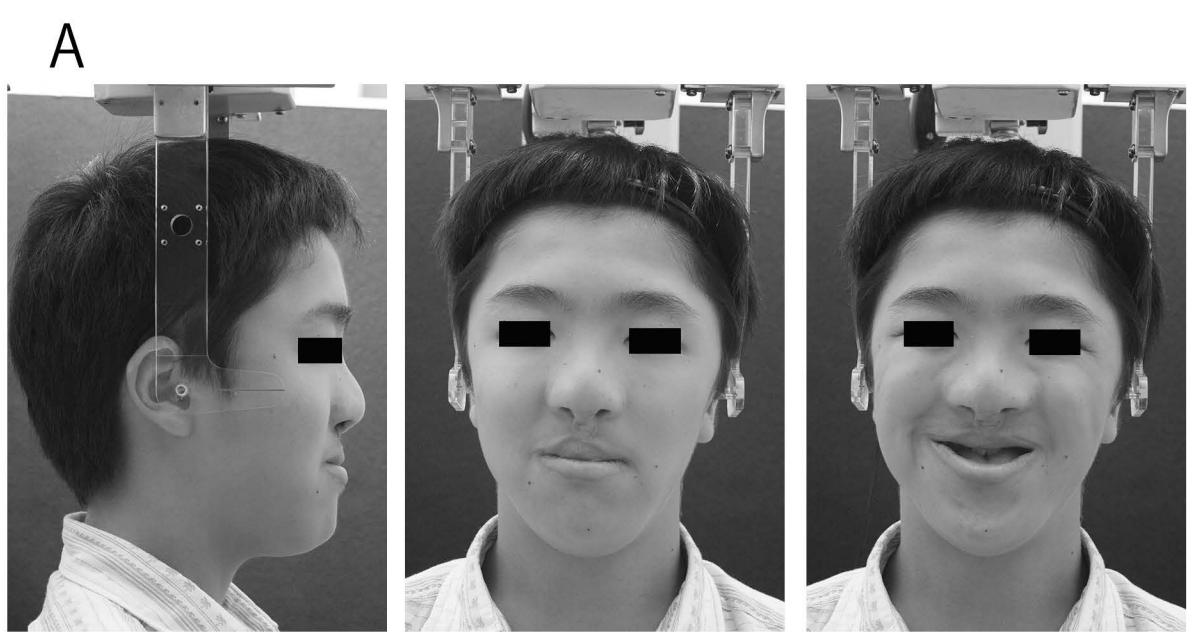
Before two-jaw surgery (21Y, 3M)

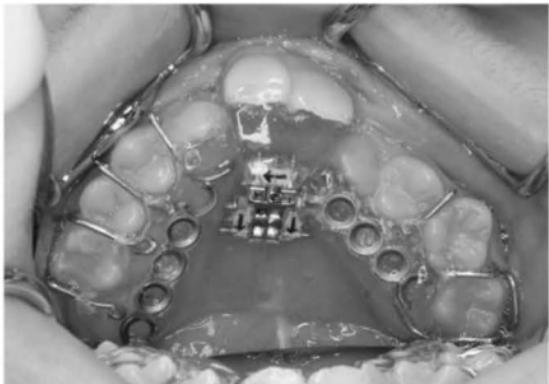
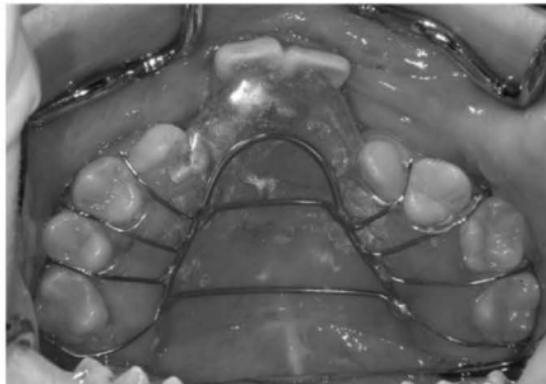
Before two-jaw surgery (21Y, 3M)

Post-active treatment (22Y, 1M)

Post-active treatment (22Y, 1M)

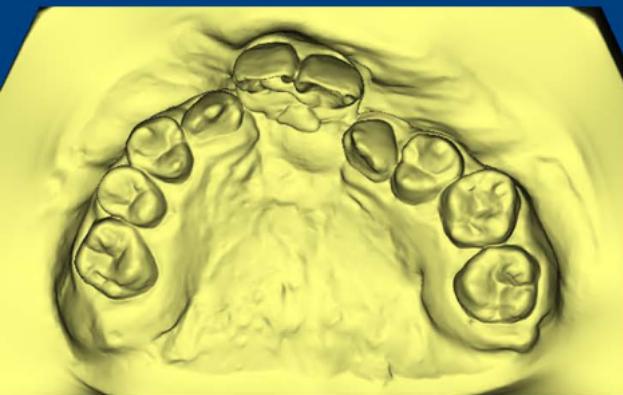
Post-retention (24Y, 1M)



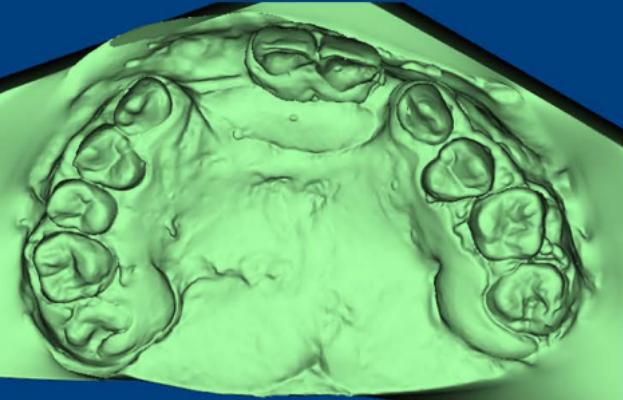
A**B****C****D****E**

A**B****C****D**

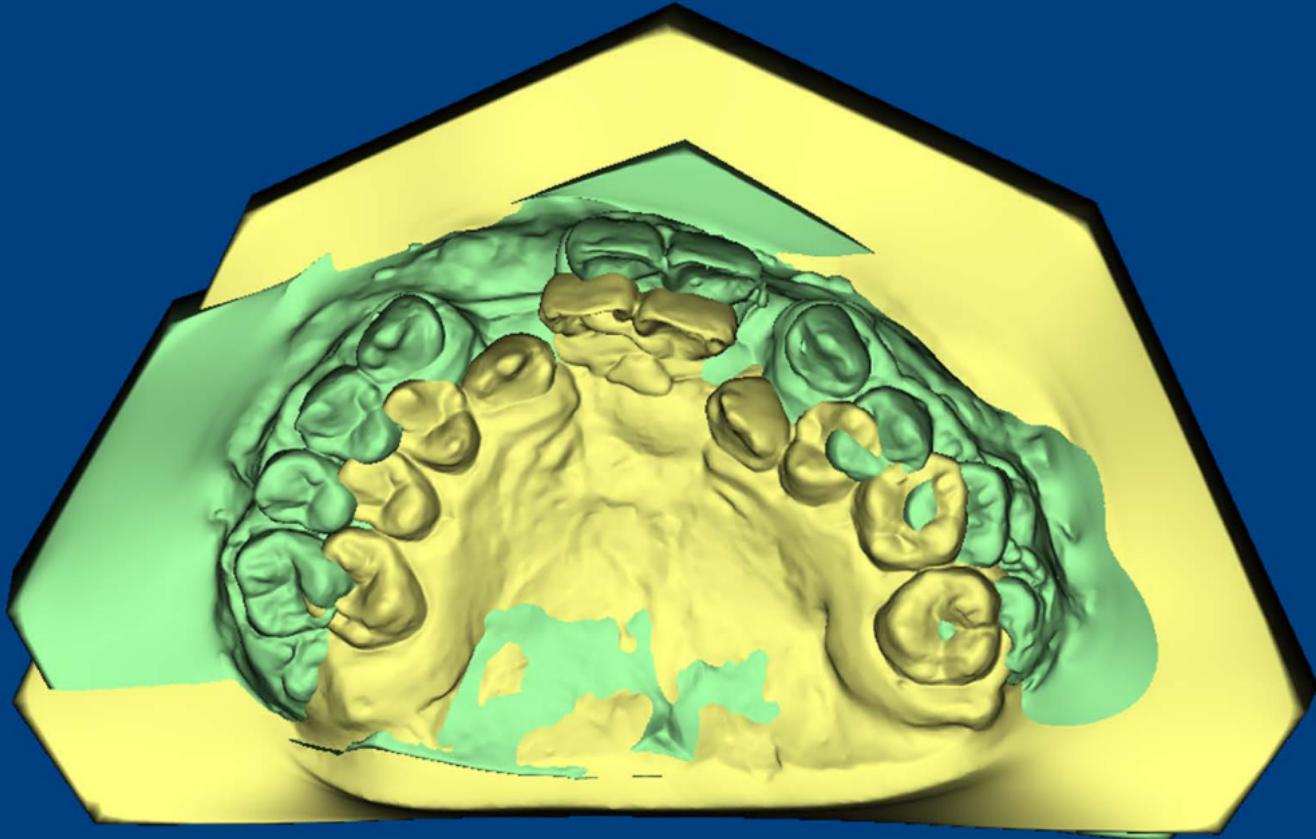
A: Pretreatment

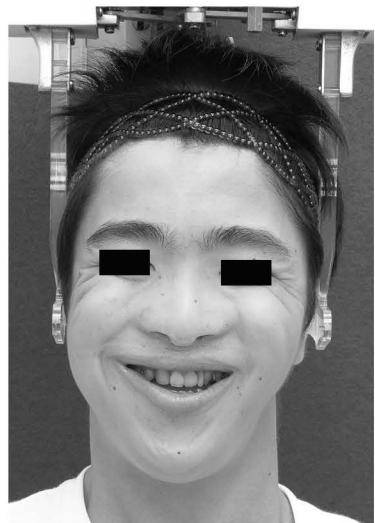
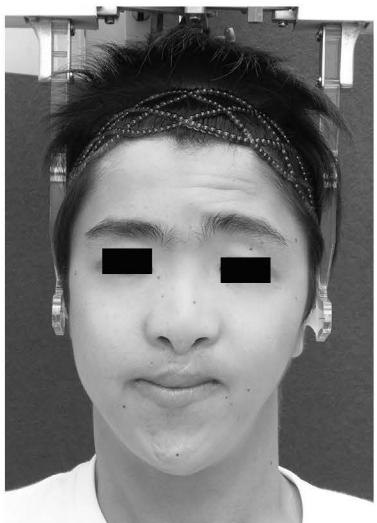
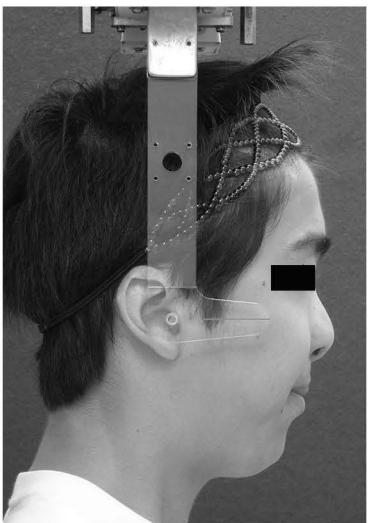


B: Post-active treatment



C: Superimposition



A**B****C****D**