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Propeller Genioplasty: A New Method for the Correction of the Asymmetrical Chin Prominence

Hermann F. Sailer

Department of Maxillofacial Surgery, University Hospital, Zurich, Switzerland

Dedicated to Mrs. Margaret Hotz, M.D., D.M.D.

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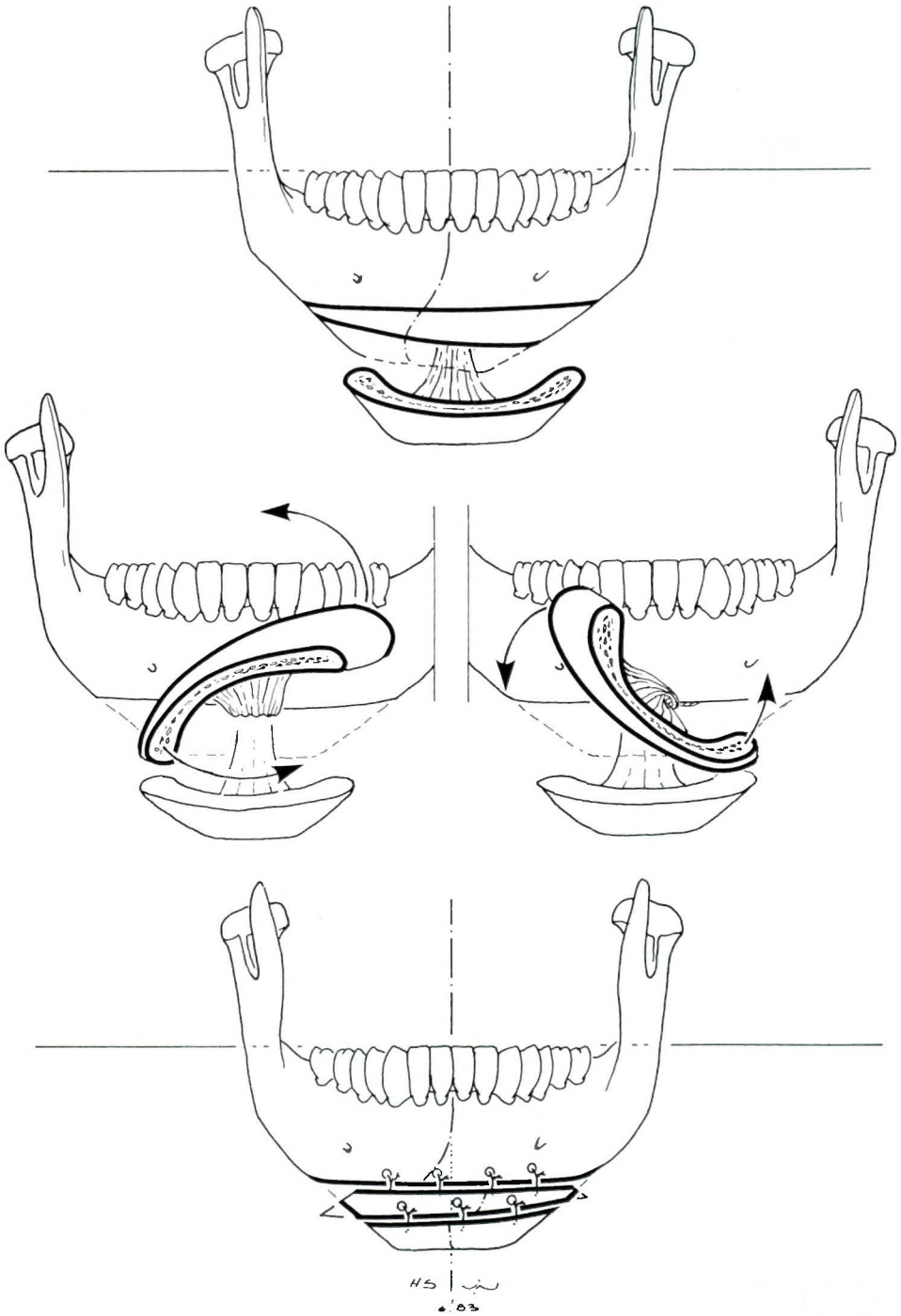


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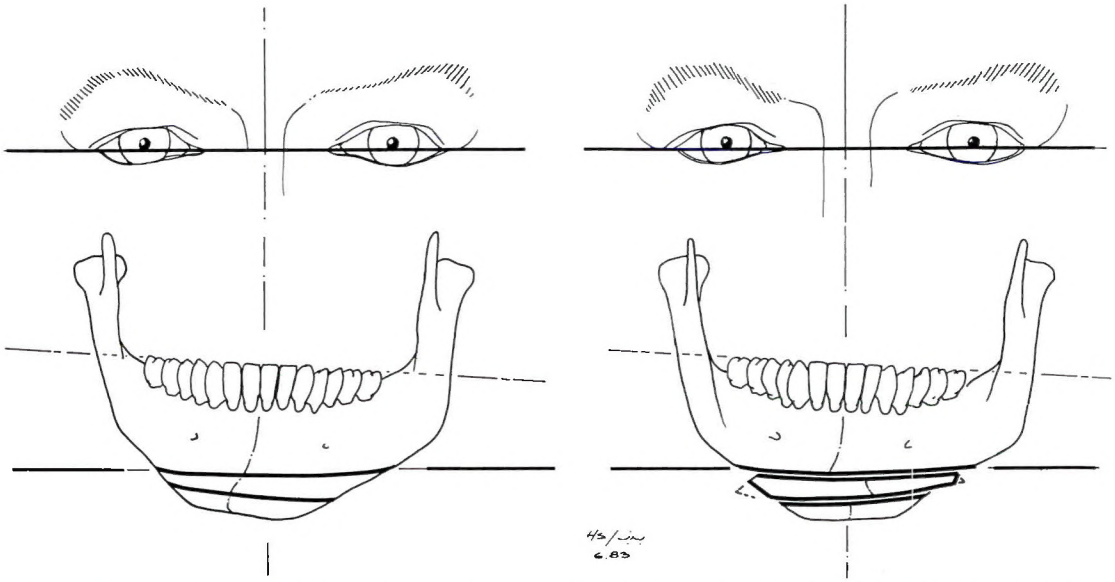


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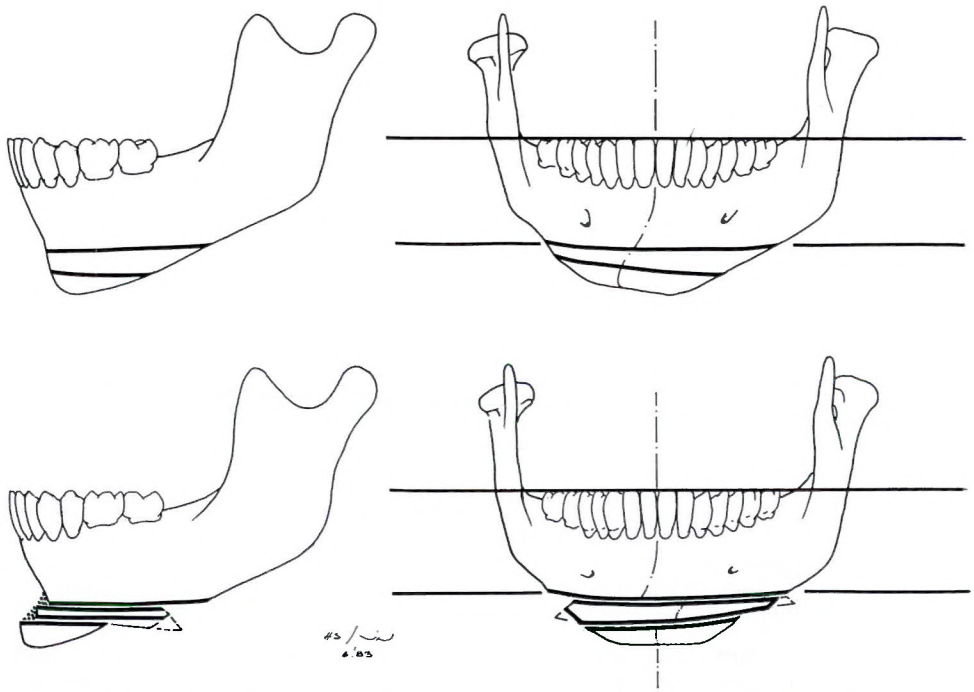


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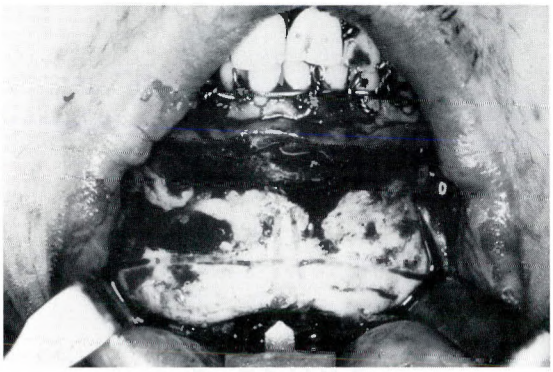


Figure 4 a

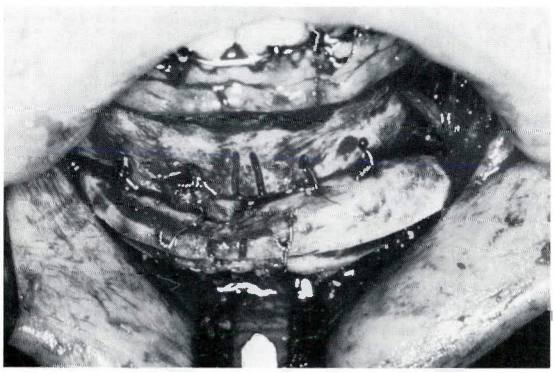


Figure 4 b



Figure 4 c

Fig. 4 Intraoperative views during propeller genioplasty procedure: Demarcation of the planned osteotomies (a) and the situation after the rotation and fixation of the segments (b); the superior segment only was advanced. (c) Depicts in another case the moment when the rotation of the superior segment is almost completed; the muscle pedicle is visible.



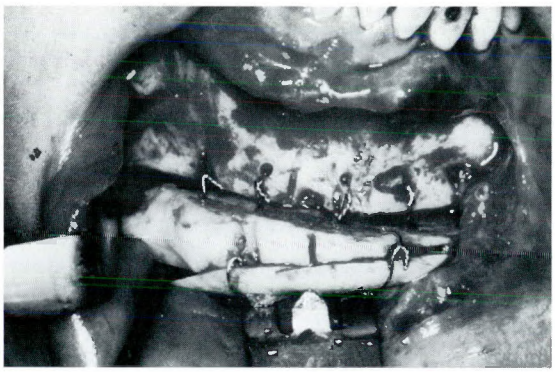


Fig. 5 Intraoperative views of combined propeller genioplasty and chin advancement: Preoperative marking of the proposed cuts (left); Position after two-step advancement and propeller genioplasty (right).



Figure 6 a



Figure 6 b

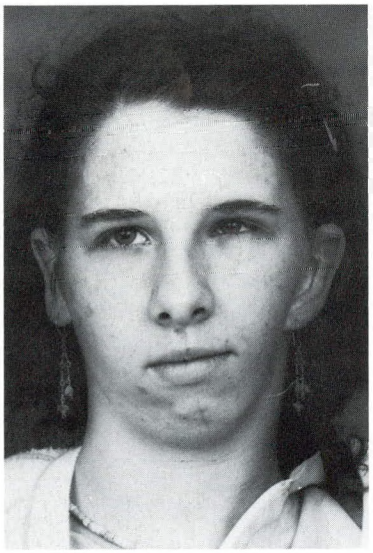


Figure 6 c



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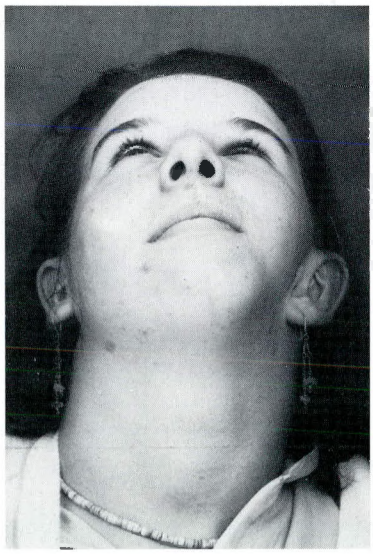


Figure 6e

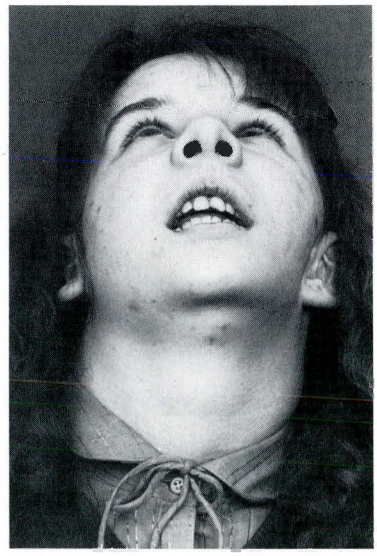


Figure 6f

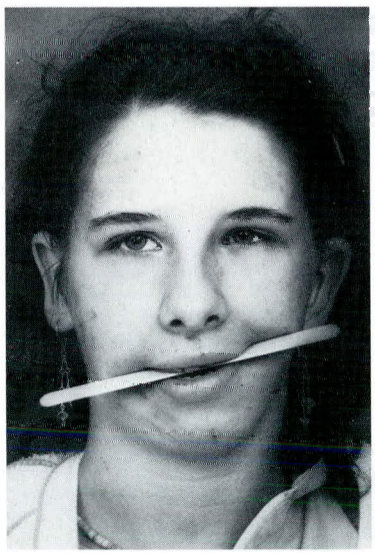


Figure 6g

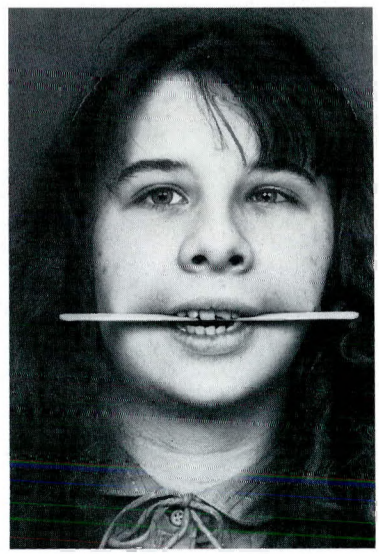


Figure 6h



Figure 6i

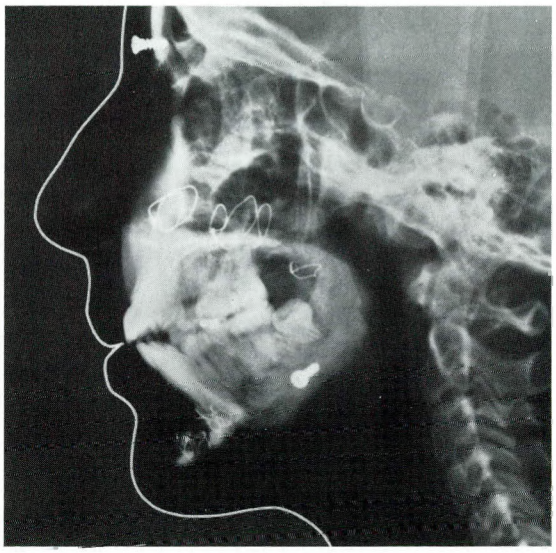


Figure 6j

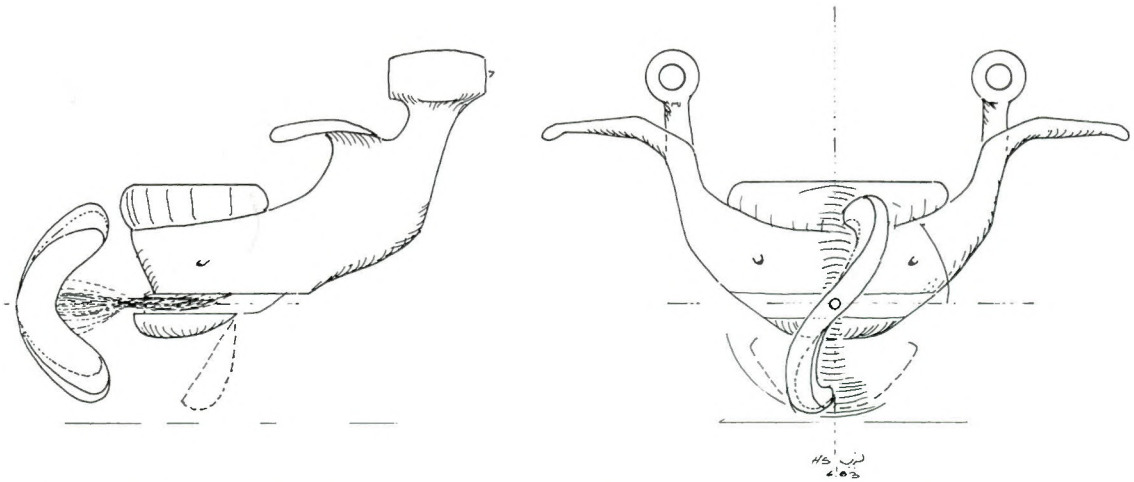


Fig. 7 Our artist's impression of the procedure suggests that the mandible may fly off like an aeroplane.

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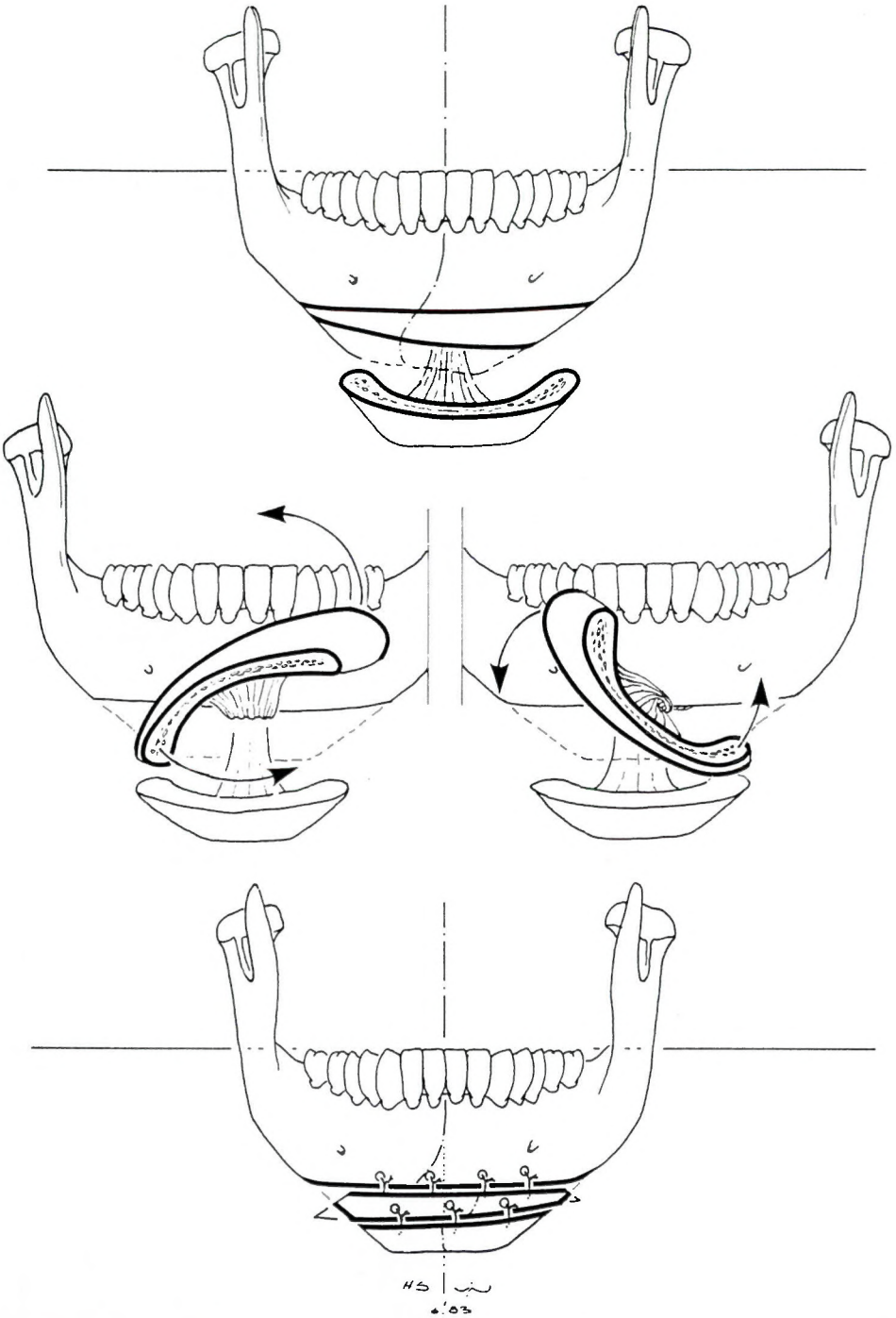


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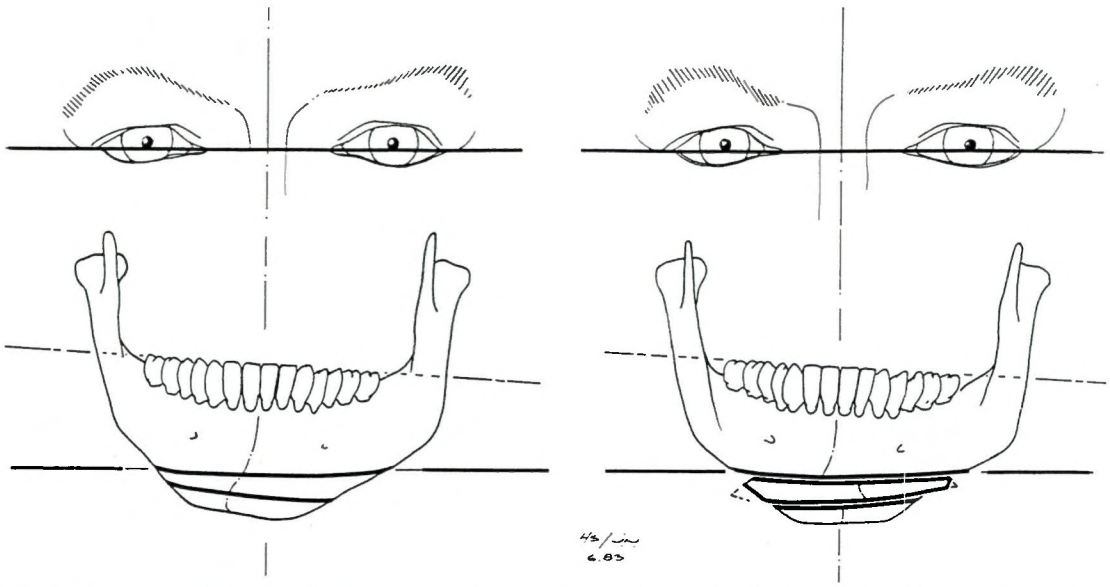


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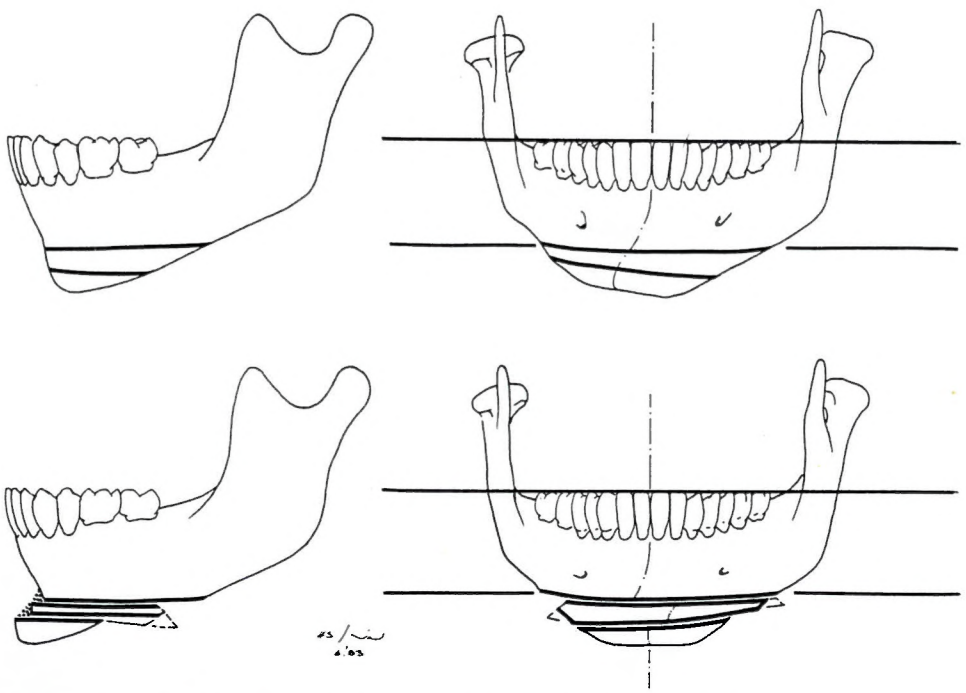


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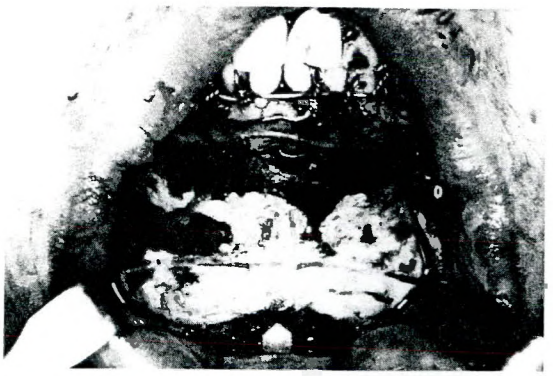


Figure 4 a

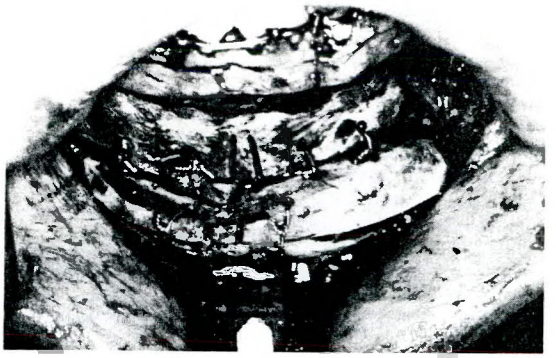
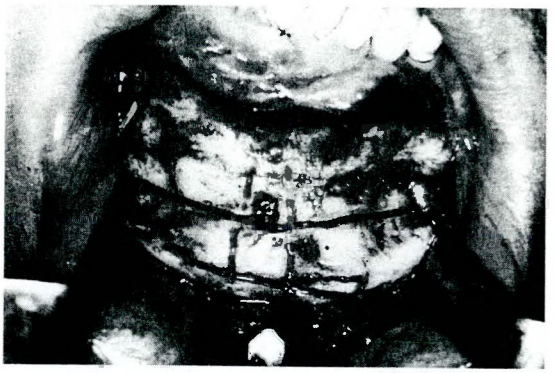


Figure 4 b



Figure 4 c

Fig. 4 Intraoperative views during propeller genioplasty procedure: Demarcation of the planned osteotomies (a) and the situation after the rotation and fixation of the segments (b); the superior segment only was advanced. (c) Depicts in another case the moment when the rotation of the superior segment is almost completed: the muscle pedicle is visible.



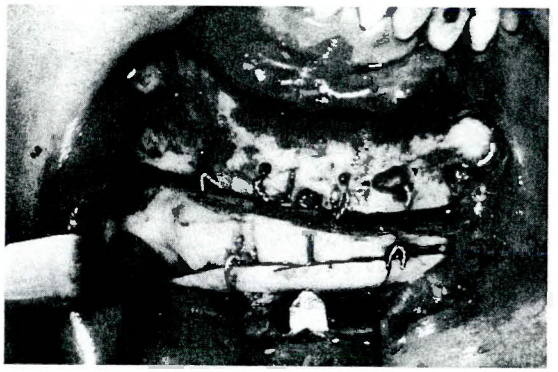


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Figure 6a



Figure 6b

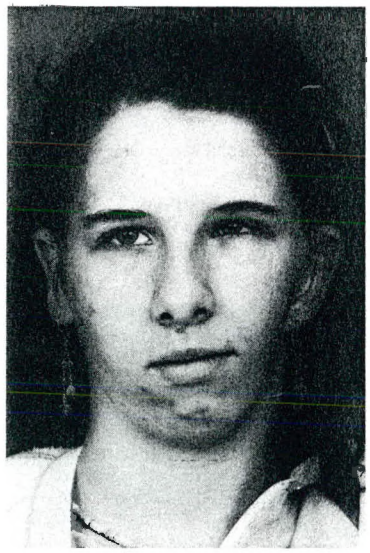


Figure 6c

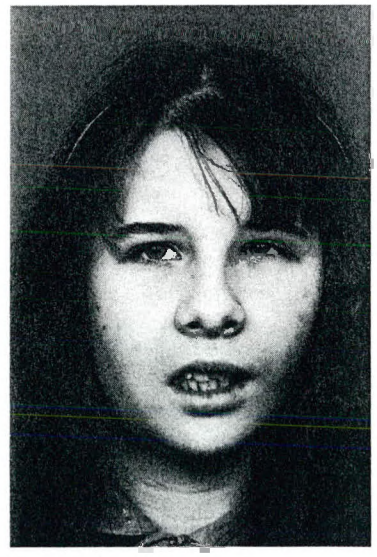


Figure 6d

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Figure 6 e

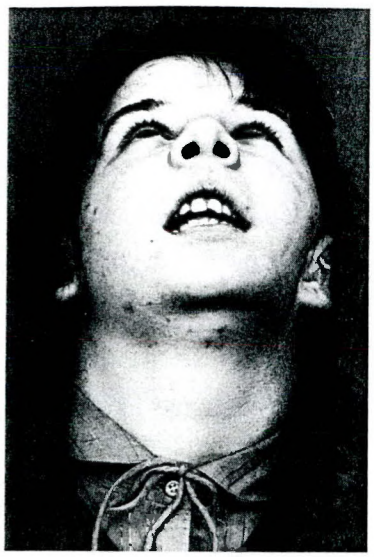


Figure 6 f



Figure 6 g



Figure 6 h

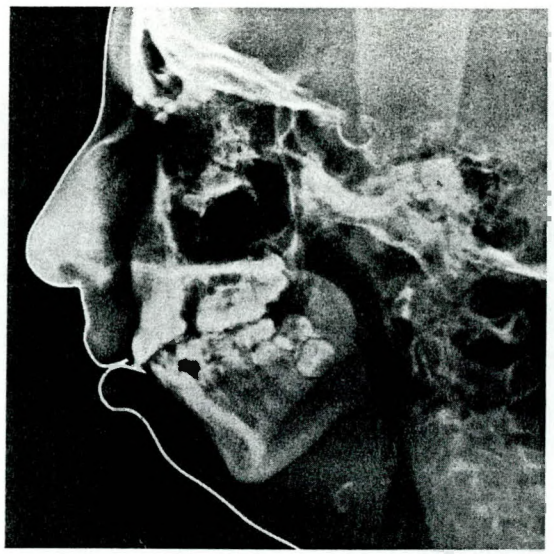


Figure 6i

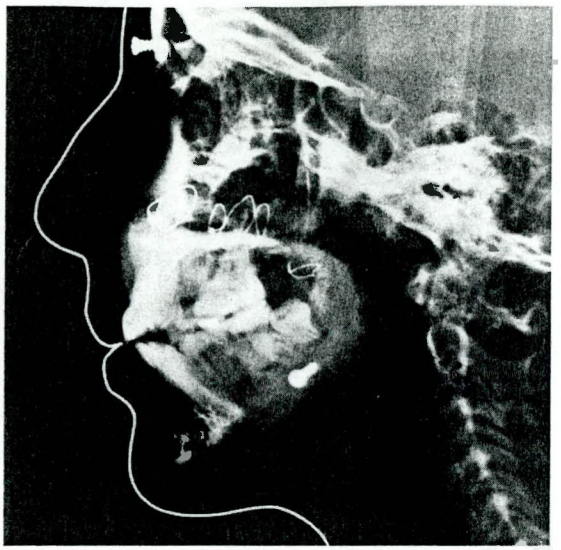


Figure 6j

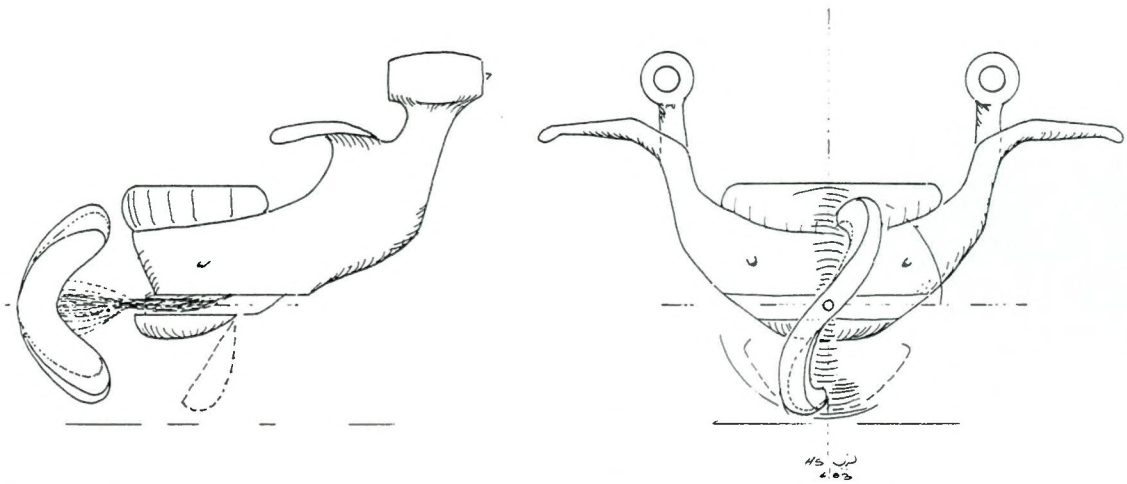


Fig. 7 Our artist's impression of the procedure suggests that the mandible may fly off like an aeroplane.

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