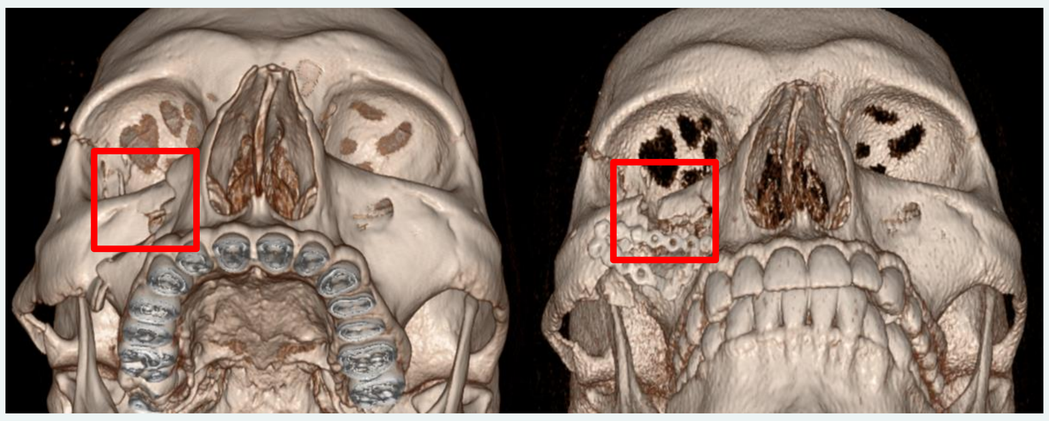
Preliminary Fixation of Minimally Displaced Midface Fractures Using a “B-Plate” Prior to Definitive Reduction: A Technical Note

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Conclusion:

Preliminary fixation of minimally displaced midface fractures using the B-plate technique represents a simple and effective adjunct in the management of complex facial trauma. By stabilizing vulnerable fracture lines early, this approach may improve surgical control and reconstruction accuracy while minimizing unnecessary manipulation.



None-displaced fracture lines may become unstable during manipulation.

Background:

Minimally displaced fracture lines may become unstable during manipulation of adjacent fragments, potentially compromising reduction accuracy and increasing operative complexity.

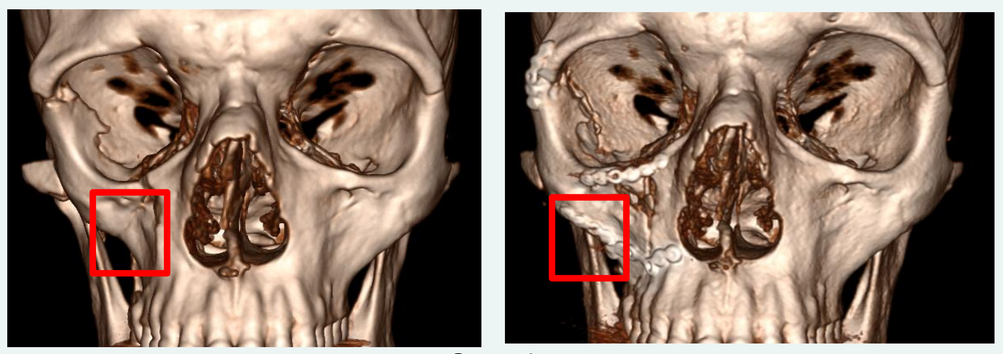
Objective:

To describe a surgical technique involving preliminary fixation of minimally displaced midface fractures prior to definitive reduction using a small miniplate, referred to as the B-plate technique.

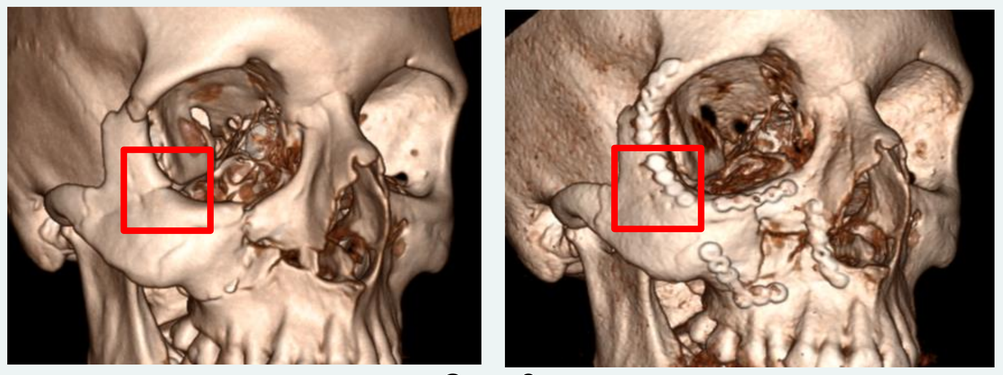
Methods:

This technical note presents four representative cases of zygomaticomaxillary complex fractures treated with early fixation of cracked or minimally displaced fracture lines before reduction of the remaining fracture components. All patients underwent open reduction and internal fixation using standard midface approaches and titanium miniplates.

B-Plate Placed Prior to Reduction.



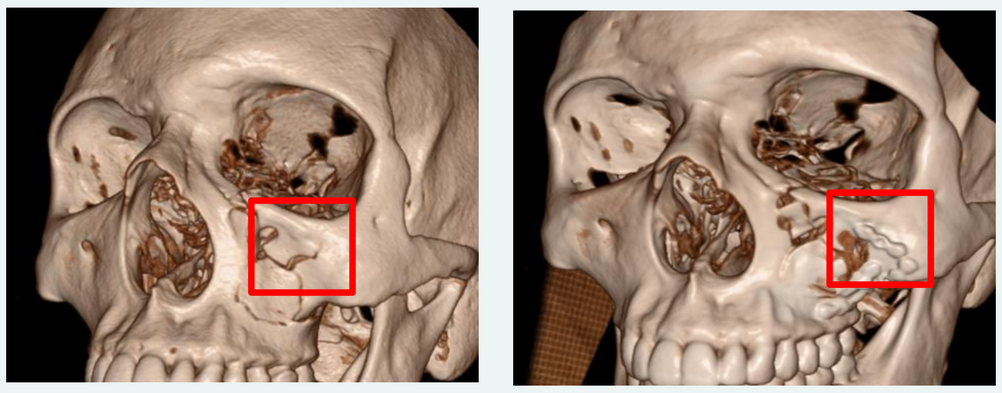
Case 1.



Case 2.



Case 3.



Case 4.

Results:

In all cases, preliminary stabilization of minimally displaced fracture segments preserved alignment during subsequent reduction maneuvers. The technique facilitated controlled reconstruction, prevented secondary displacement, and allowed definitive fixation without additional incisions or apparent increase in operative time.



Soon, we will publish a controlled randomized study on isolated blow out fractures.

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