

Version 2 (December 12, 2018)

Faculty can replace the clinical images in the presentation with equivalent images

Learning objectives Describe the different buttresses in the midface Describe the mechanism of injury for different types of Le Fort fractures Recognize signs and symptoms of Le Fort and palatal fractures Select appropriate imaging modalities and interpret the findings

• Formulate principles of management

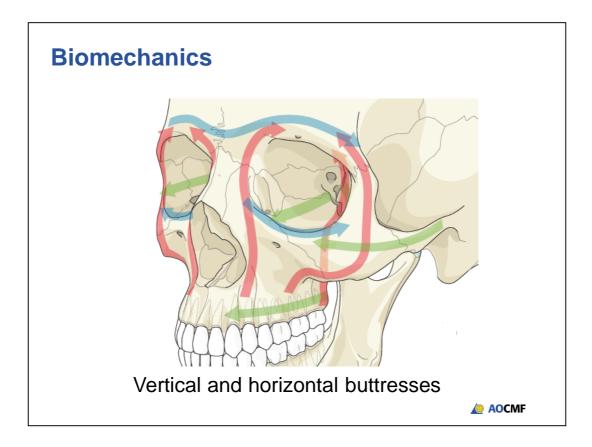
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Clinical findings

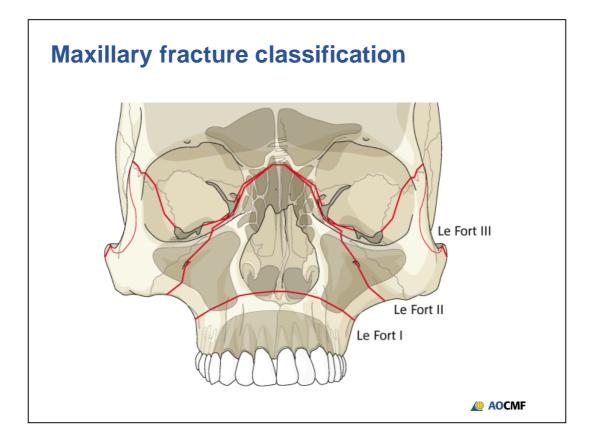
- Facial swelling or bruising
- Malocclusion
- Maxillary mobility
- Elongated face
- Paresthesia
- Nasal bleeding ± rhinorrhea



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- 1. Maxilla makes up the greater portion of midface.
- 2. Upper jaw in the inferior aspect.
- 3. Support the globe superiorly.
- 4. Designed to withstand forces of mastication from below.
- 5. May be fractured by relatively small impact from other directions.



Some points for faculty:

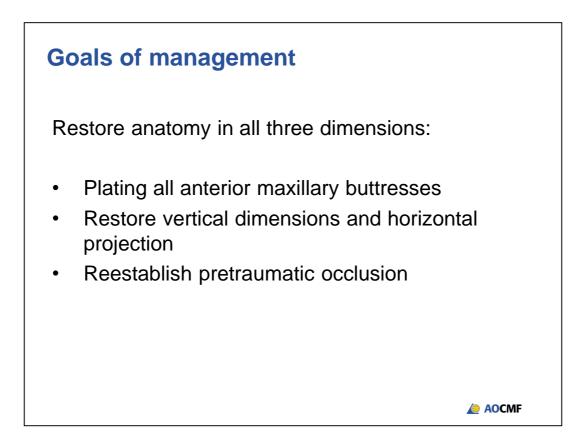
•Pure Le Fort I, II, and III fractures are rare. They are commonly associated with other multiple midface fractures.

•Classic description—symmetrical fractures on the right and left side of the midface.

•Many fractures follow the Le Fort pattern but only unilateral.

•Fractures levels may differ on both sides.

•May be linear or comminuted or a combination.



CT is required for diagnosis and planning.

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