

Pediatric Fracture Management

-Insights gained through experience-

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Topic Overview

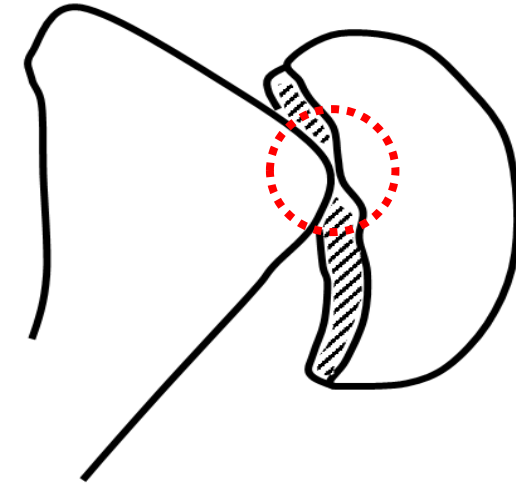
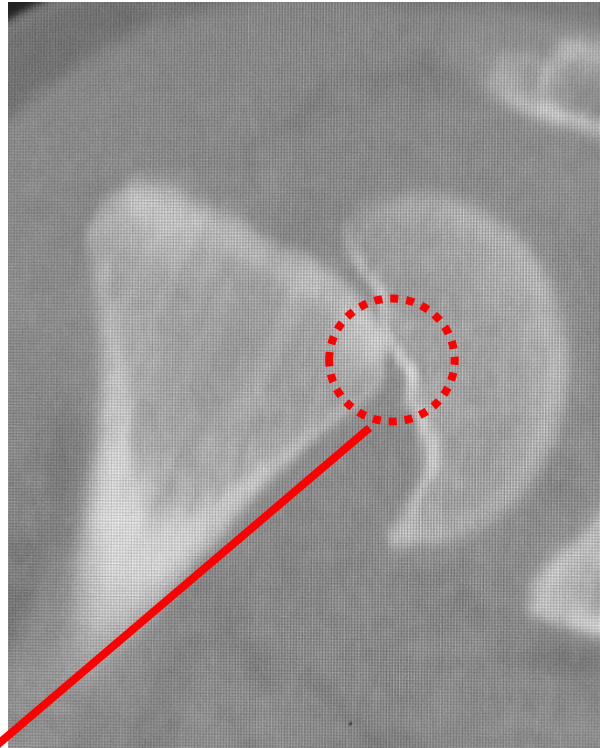
- Fracture management
 - Surgical Indications for epiphyseal injuries
 - Surgical management for early epiphyseal closure
 - Endoscopic resection of the physeal bar
- Cartilage fracture
 - Diagnosis
 - Prognosis and management

Background and Significance

- Pediatric fractures must be treated with the consideration of the possibility of serious sequelae, such as growth disturbances due to physeal bar formation.
- I have been developing endoscopic surgery for physeal bar since 2012 and have accumulated experiences in this procedure, which I will also share today.

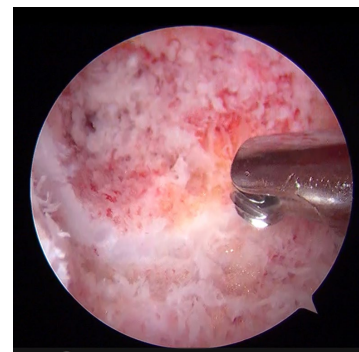
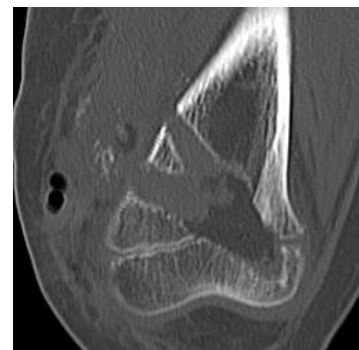
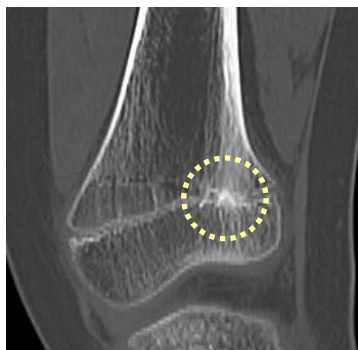
Perforation sign

Findings that are at high risk of developing physeal bar if not reduced



Direct bone-to-bone contact Physeal bar may form here.

Endoscopic physeal bar resection (EPBR)



Conclusion and Future Directions

- It is difficult to properly determine surgical indications for pediatric fractures.
- Endoscopic physeal bar resection (EPBR) is effective in treating physeal bar, the most serious sequela of pediatric fractures.