

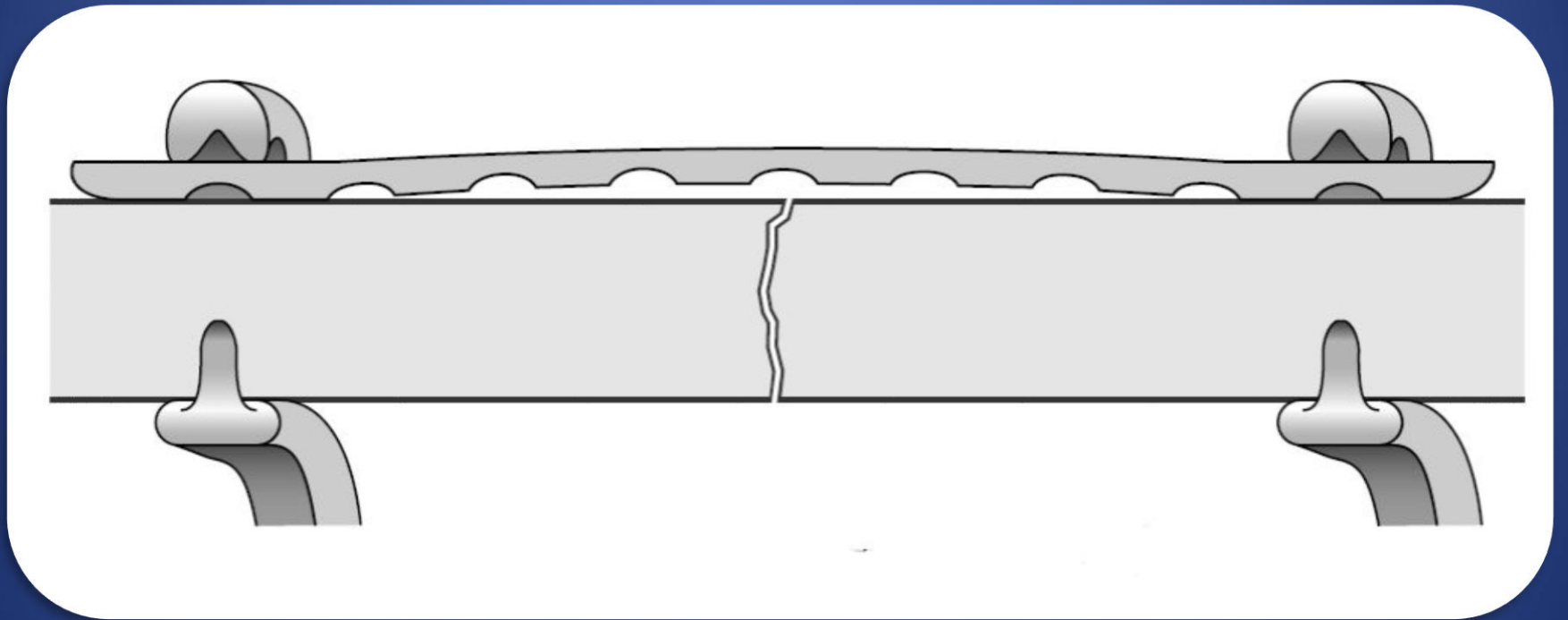
VETERİNER ORTOPEDİ VE TRAVMATOLOJİ

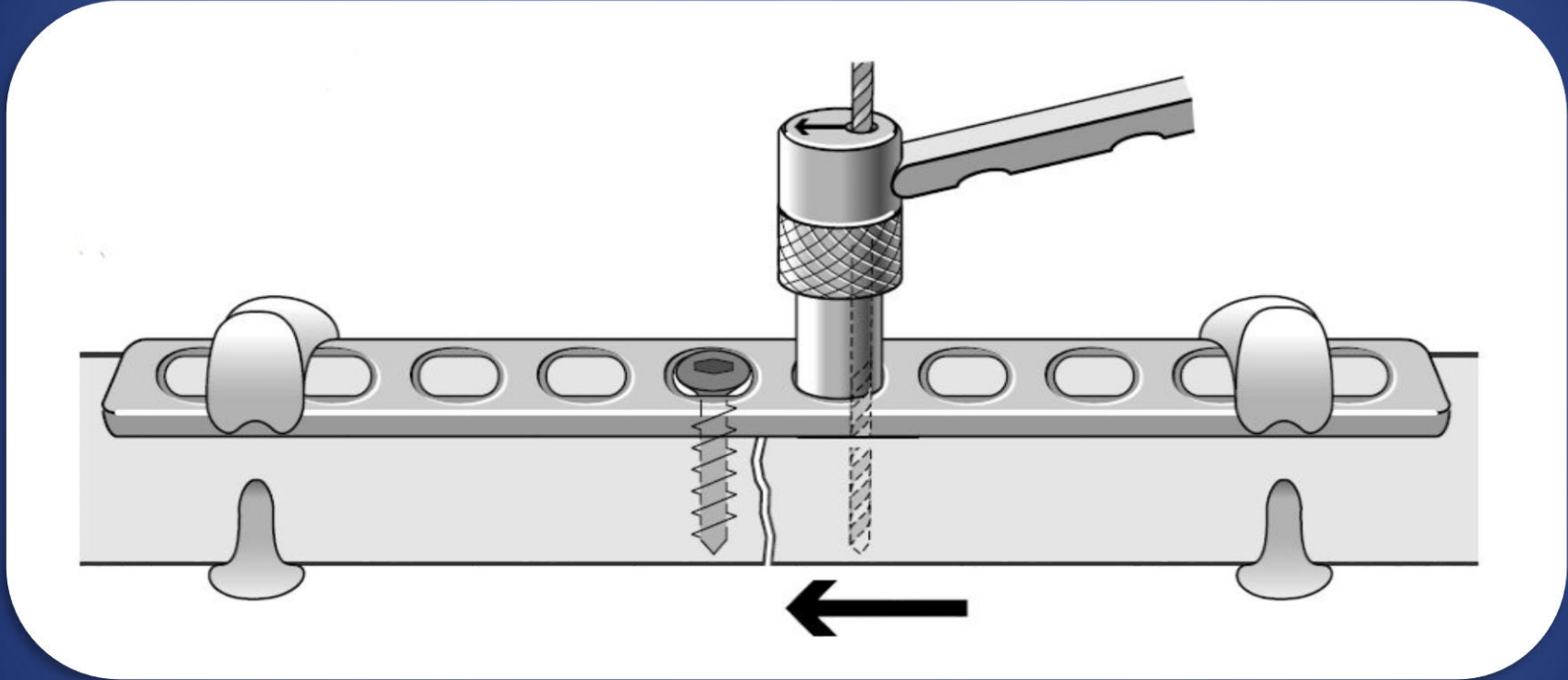
Prof. Dr. Hasan BİLGİLİ

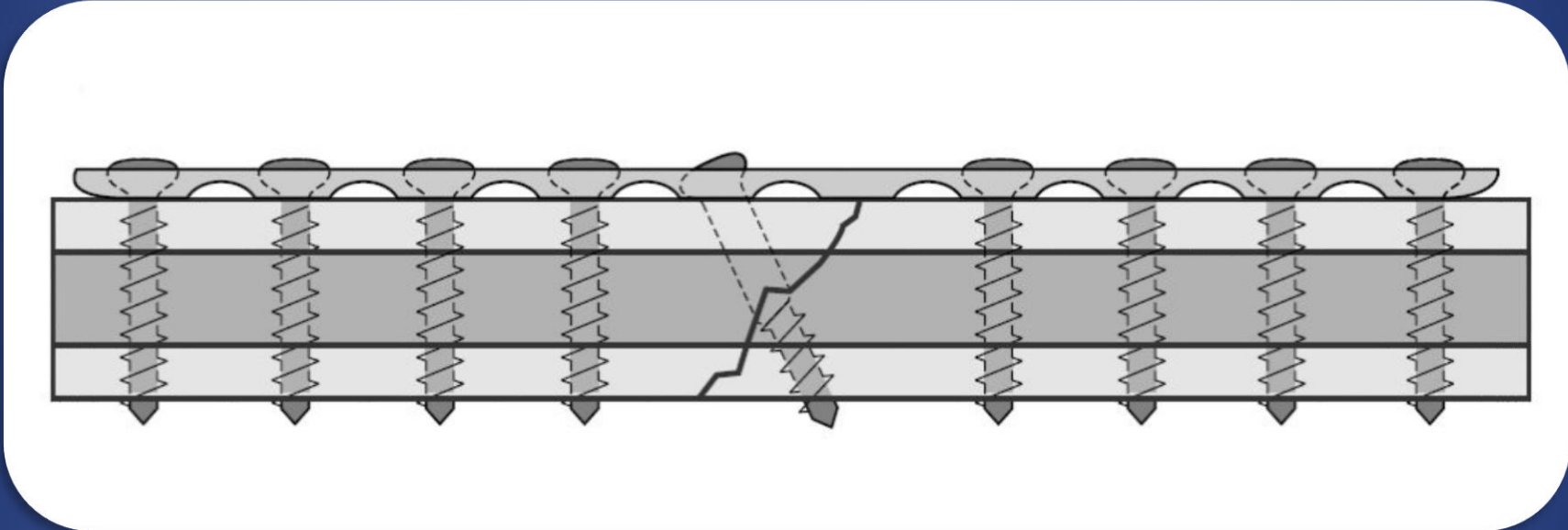
Ankara Üniversitesi Veteriner Fakültesi

Cerrahi Anabilim Dalı

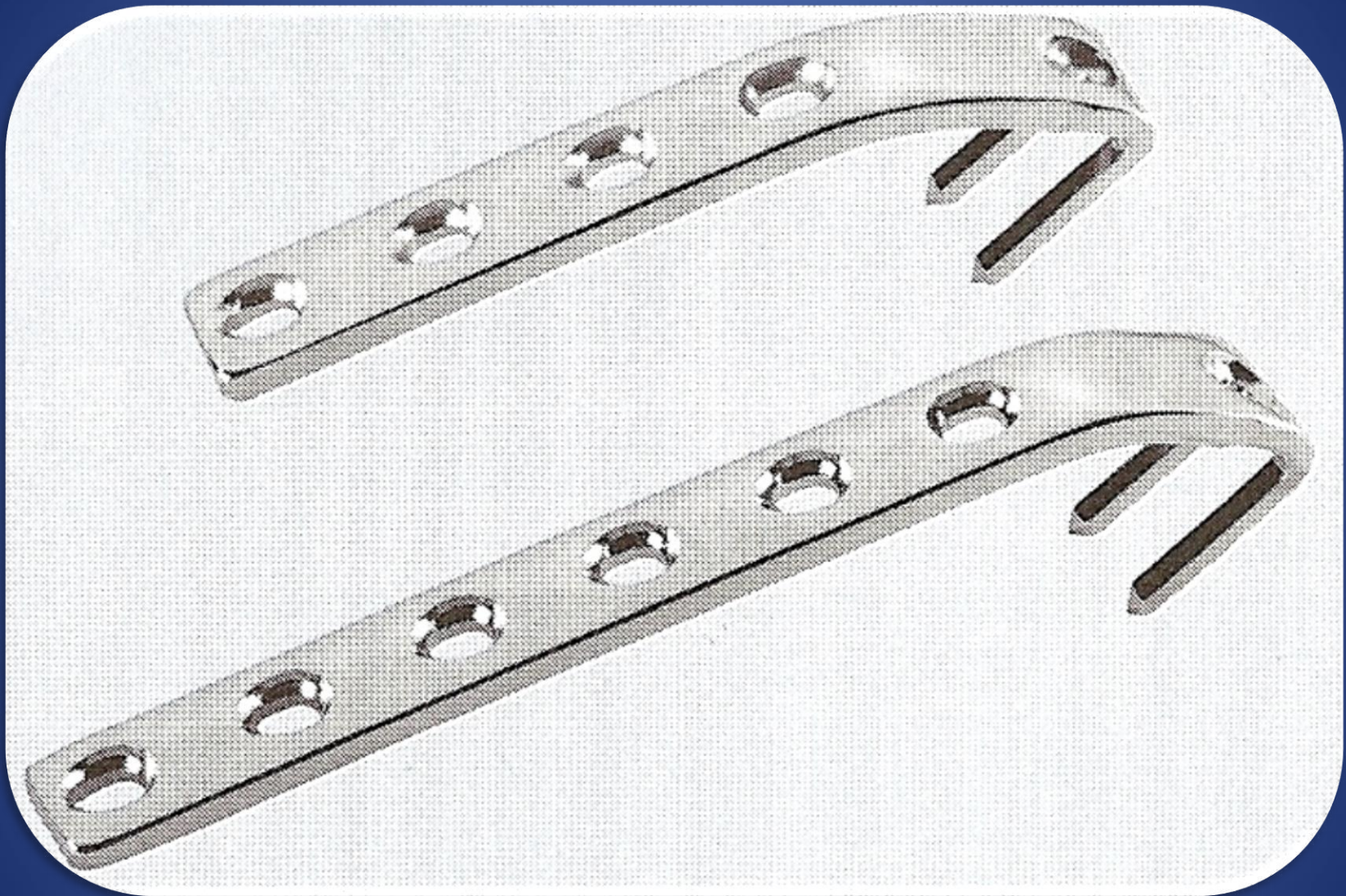
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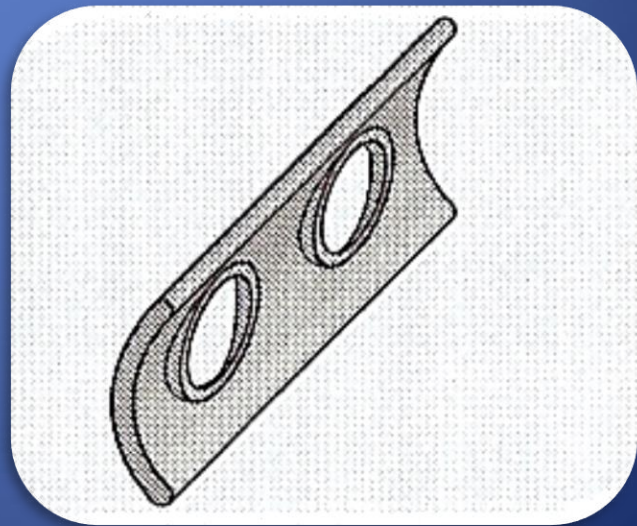
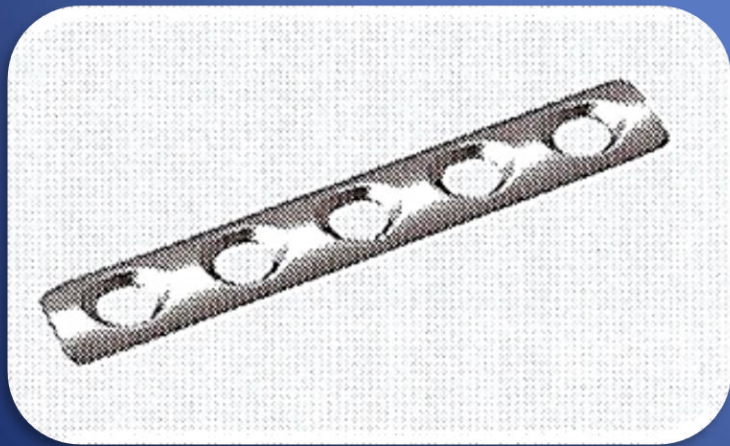
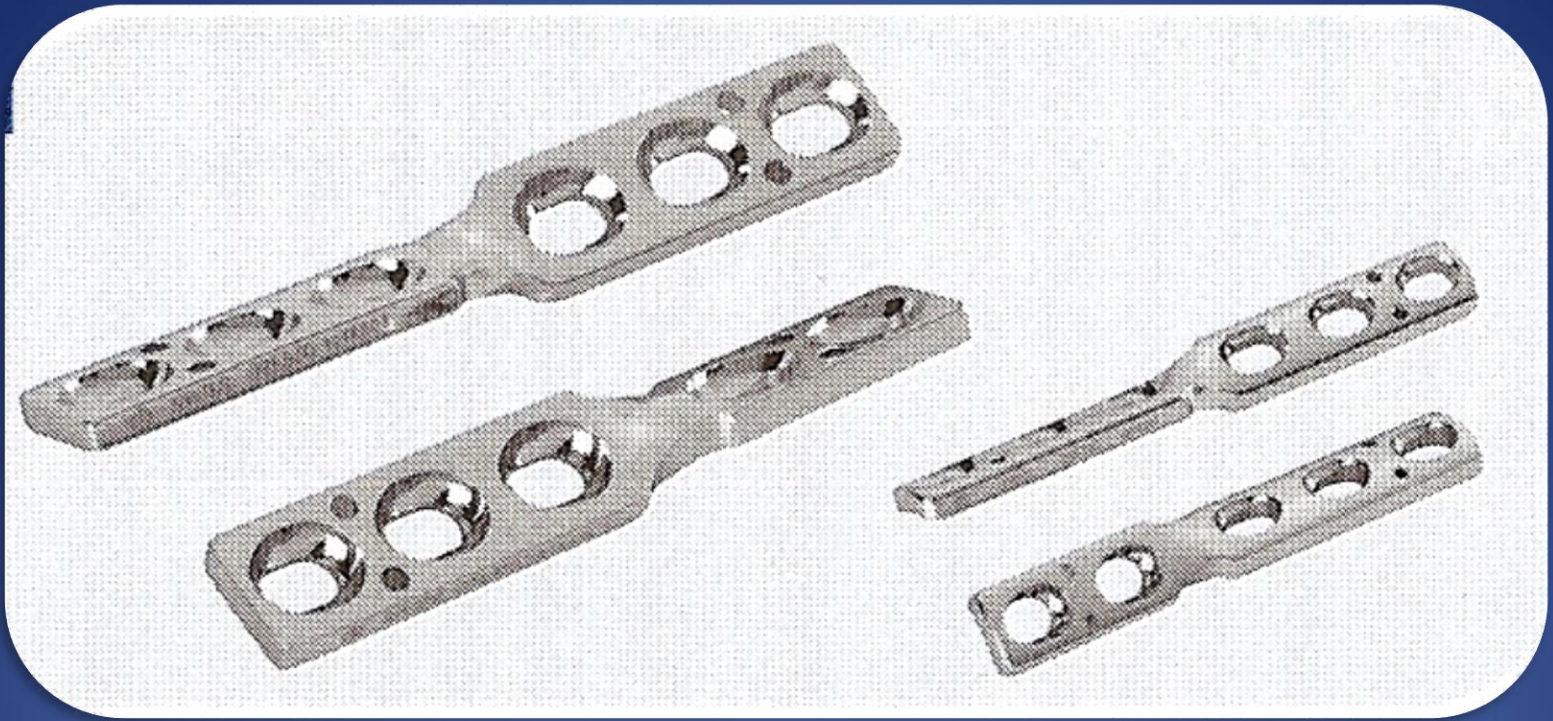


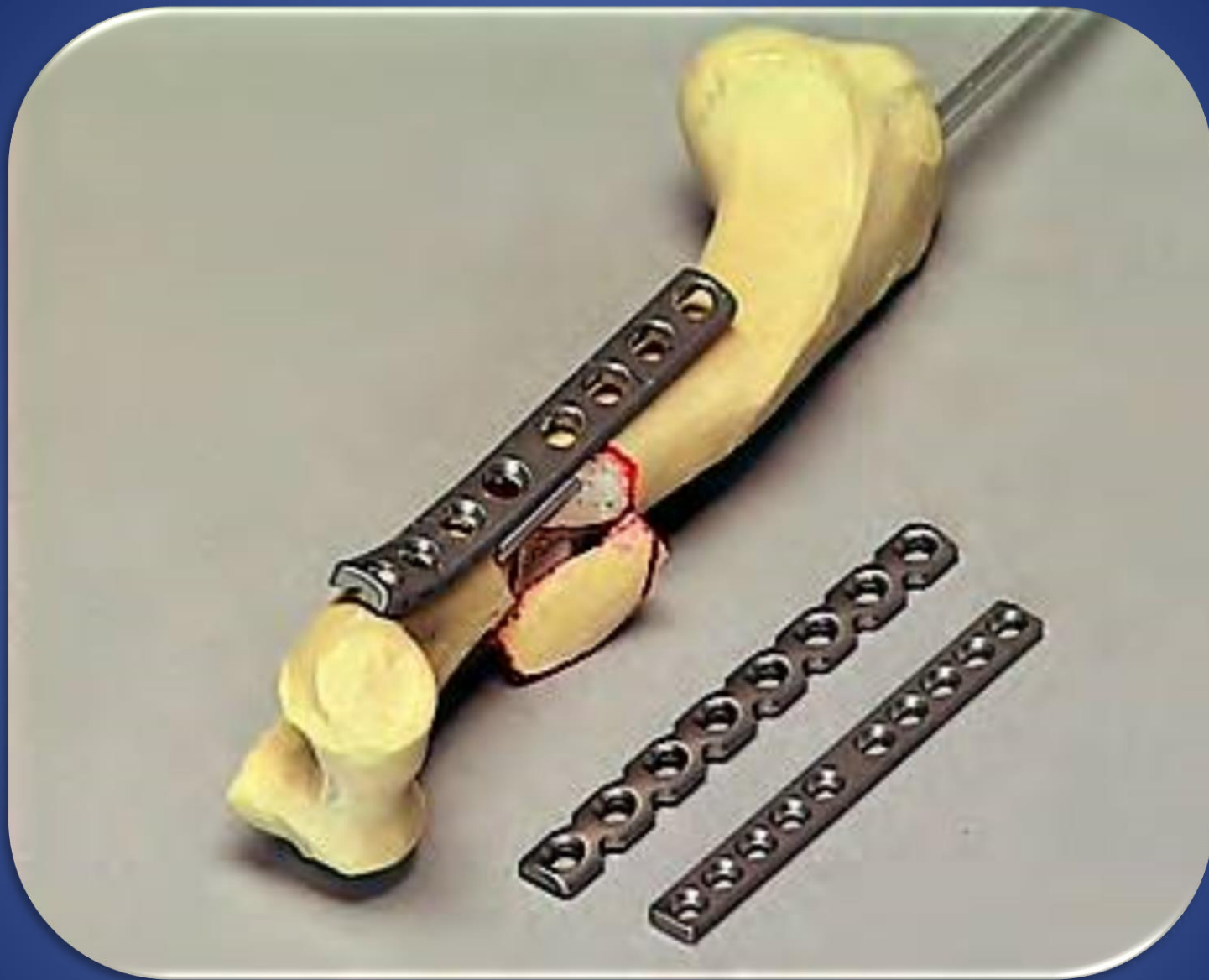


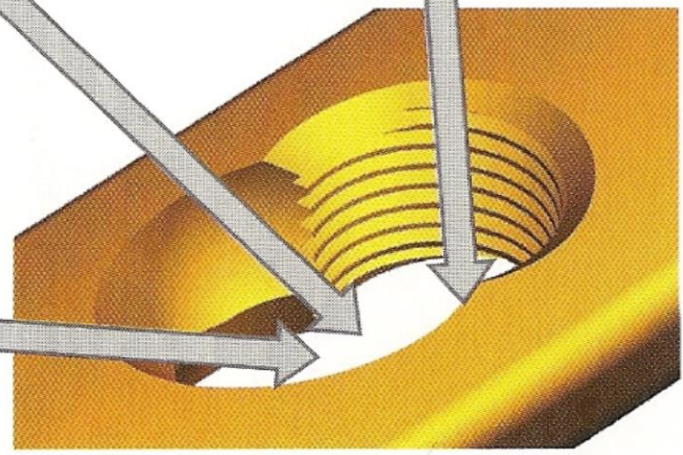
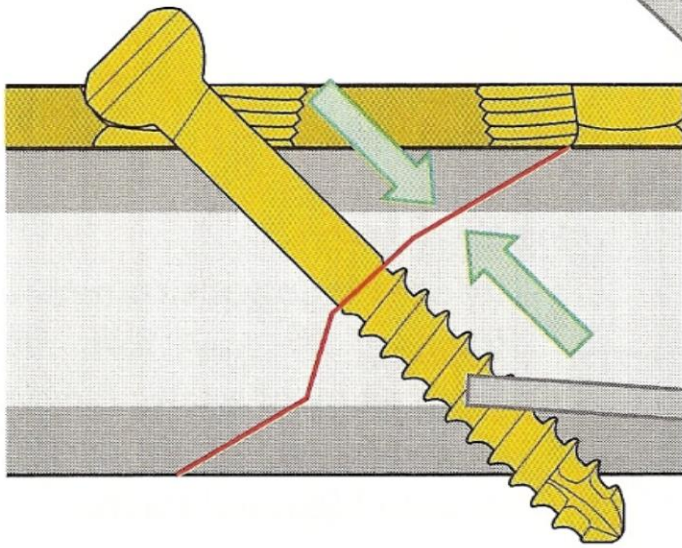
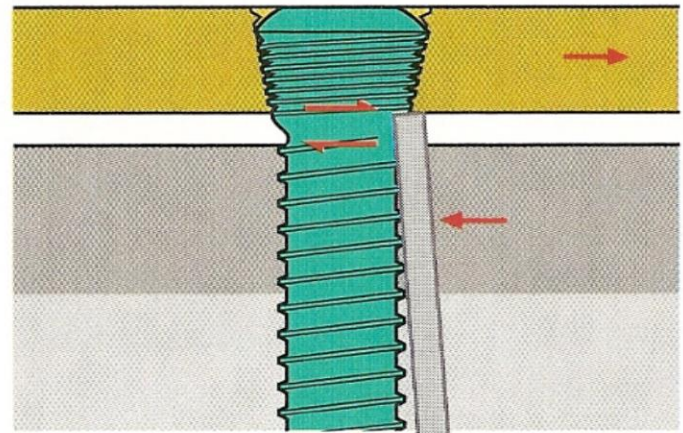
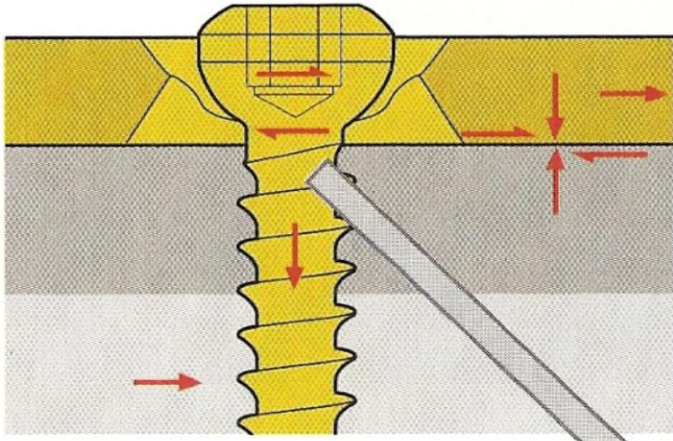






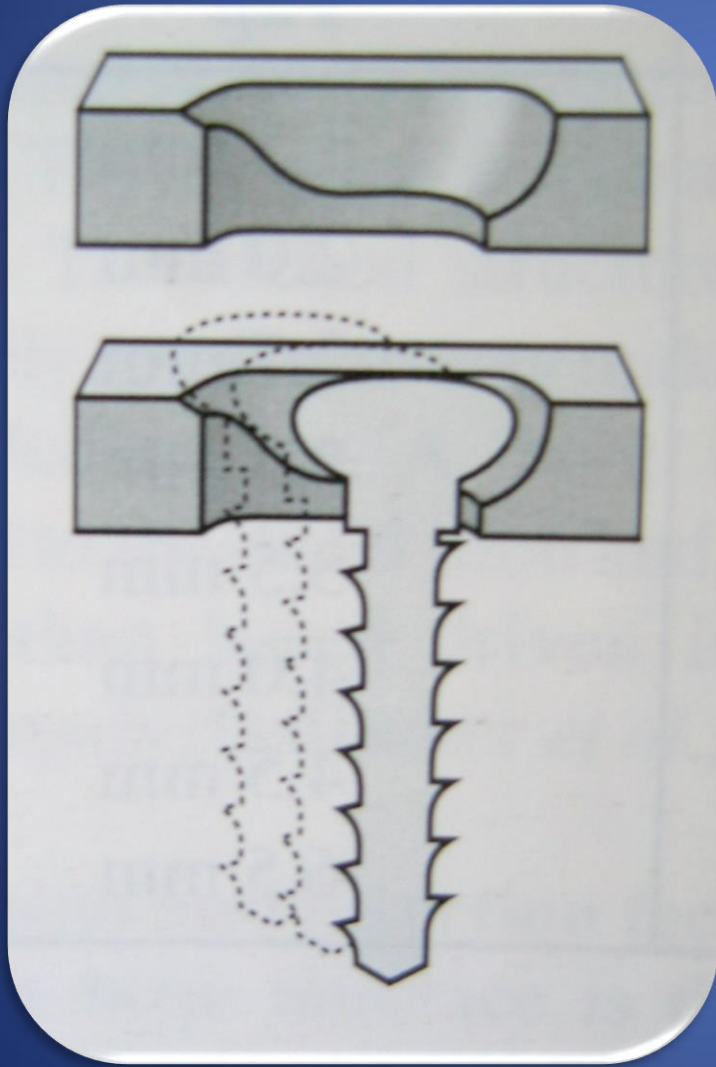


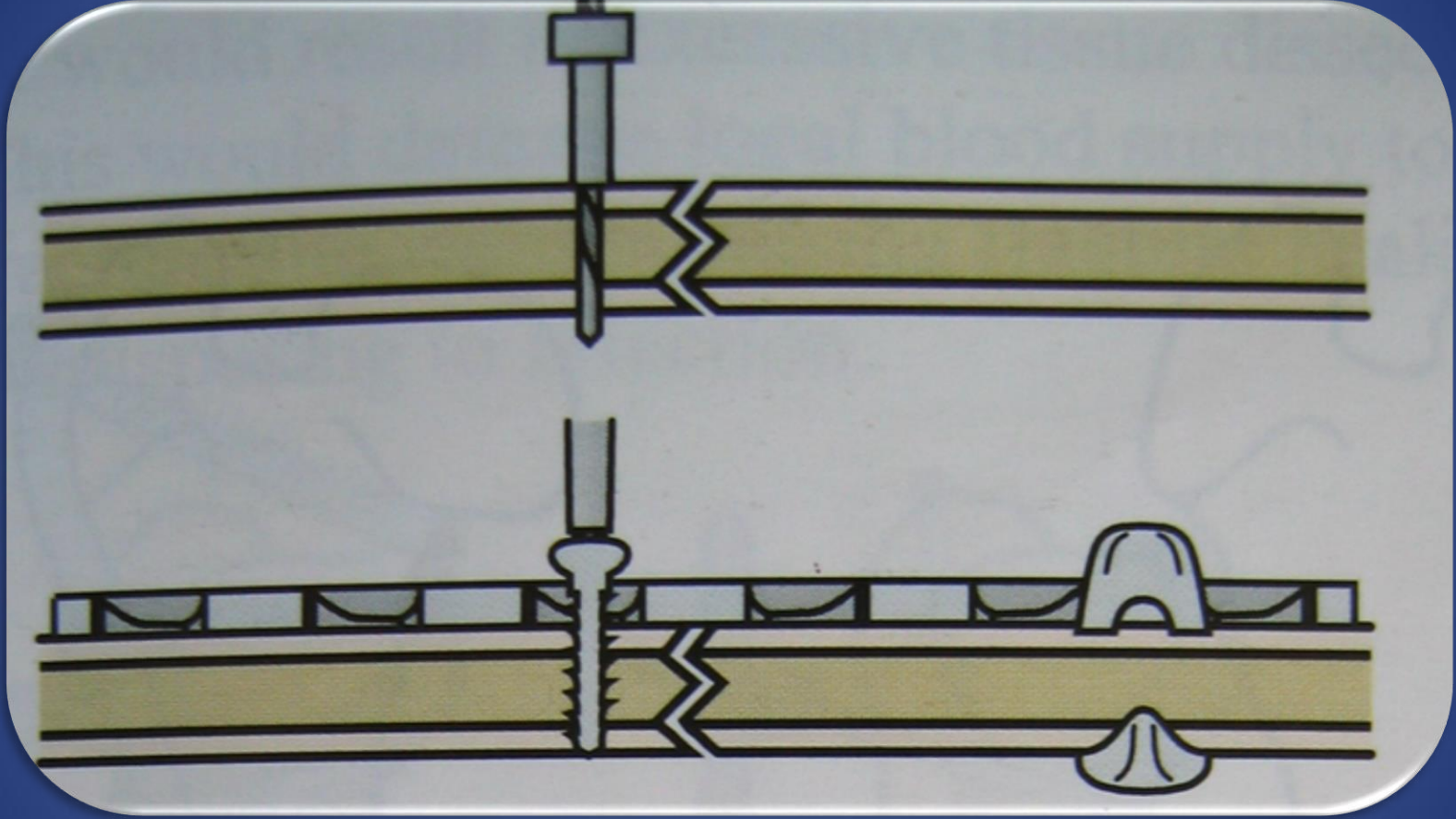


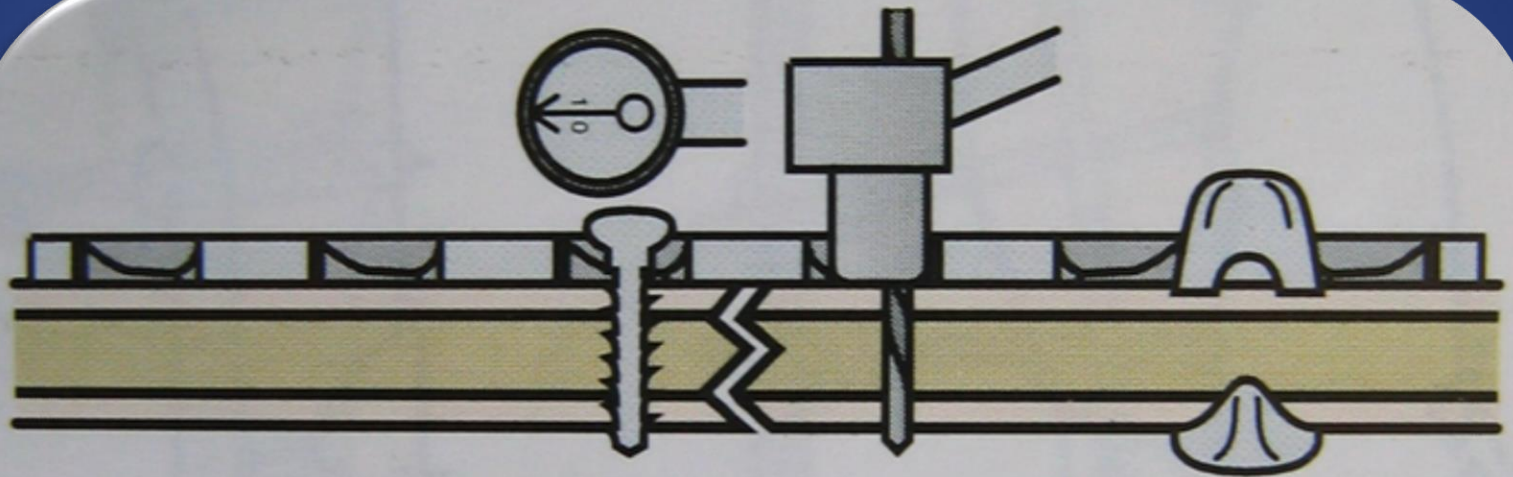


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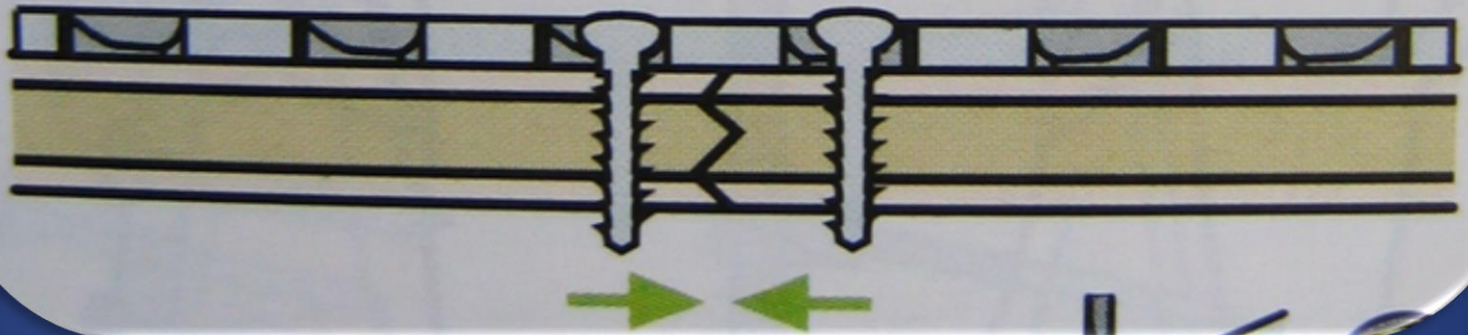
DCP Plak

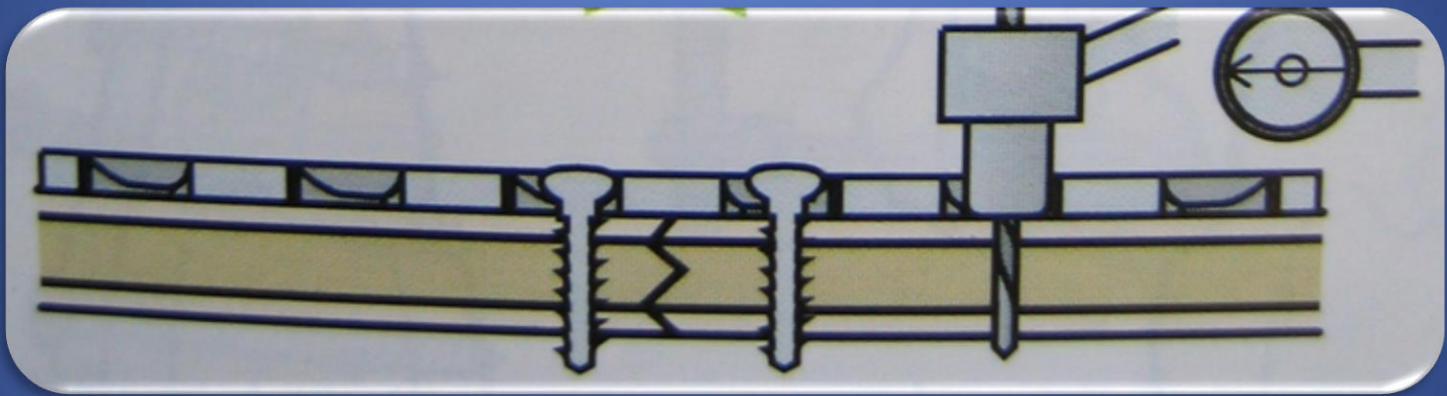






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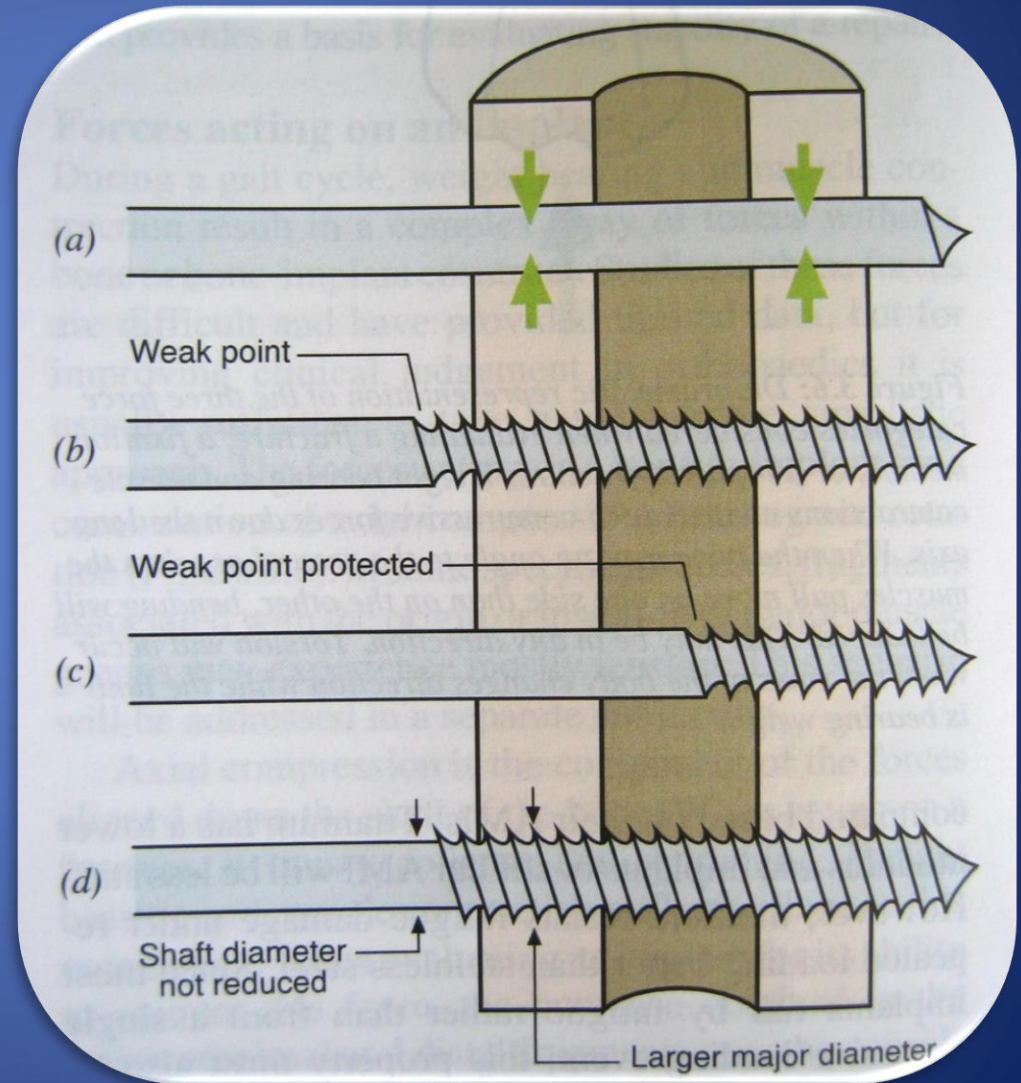
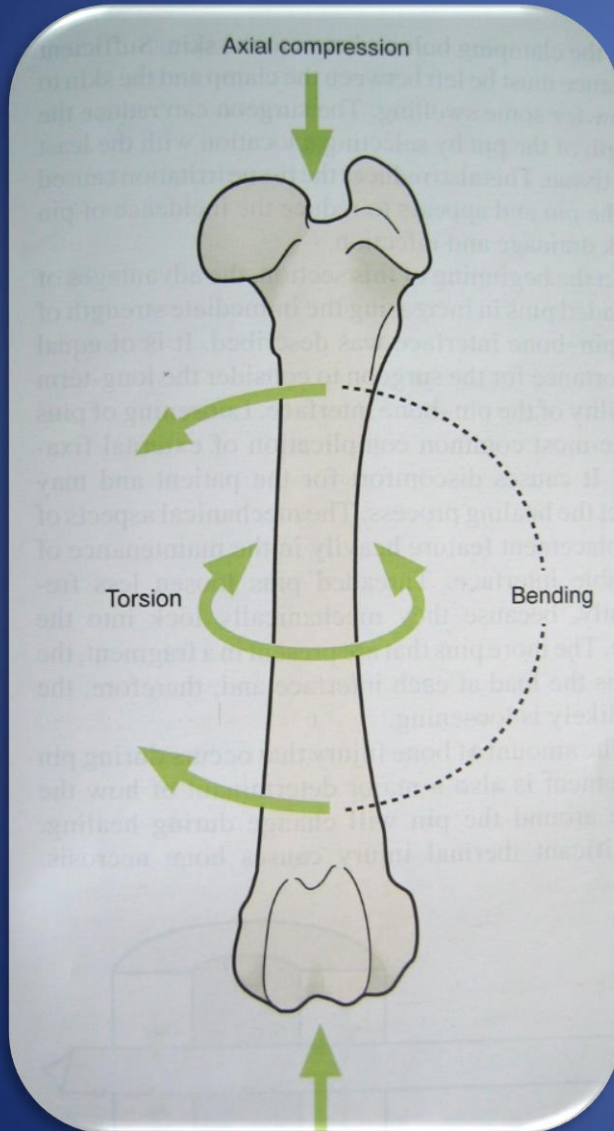


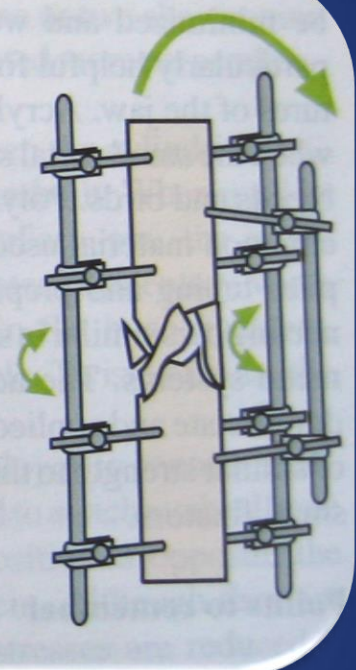
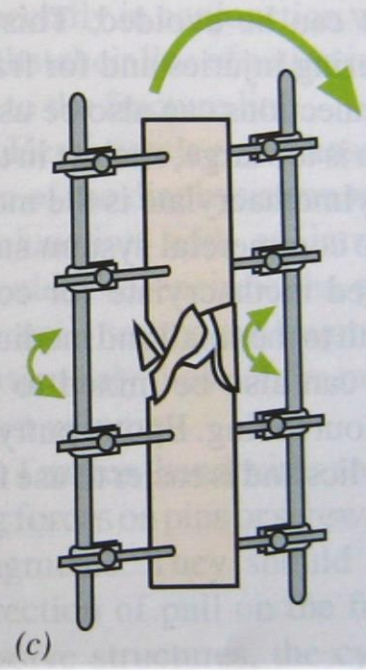
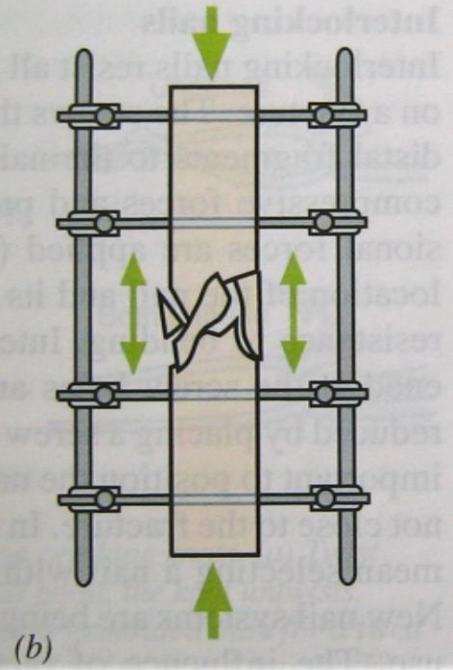
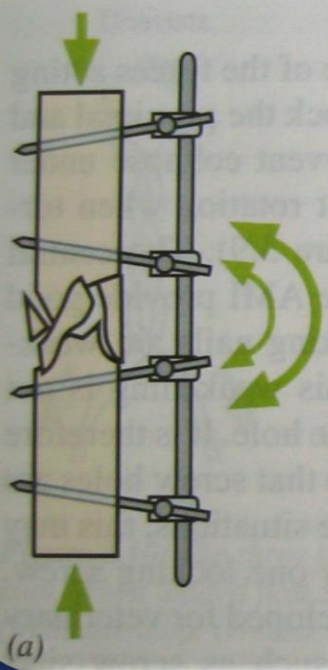


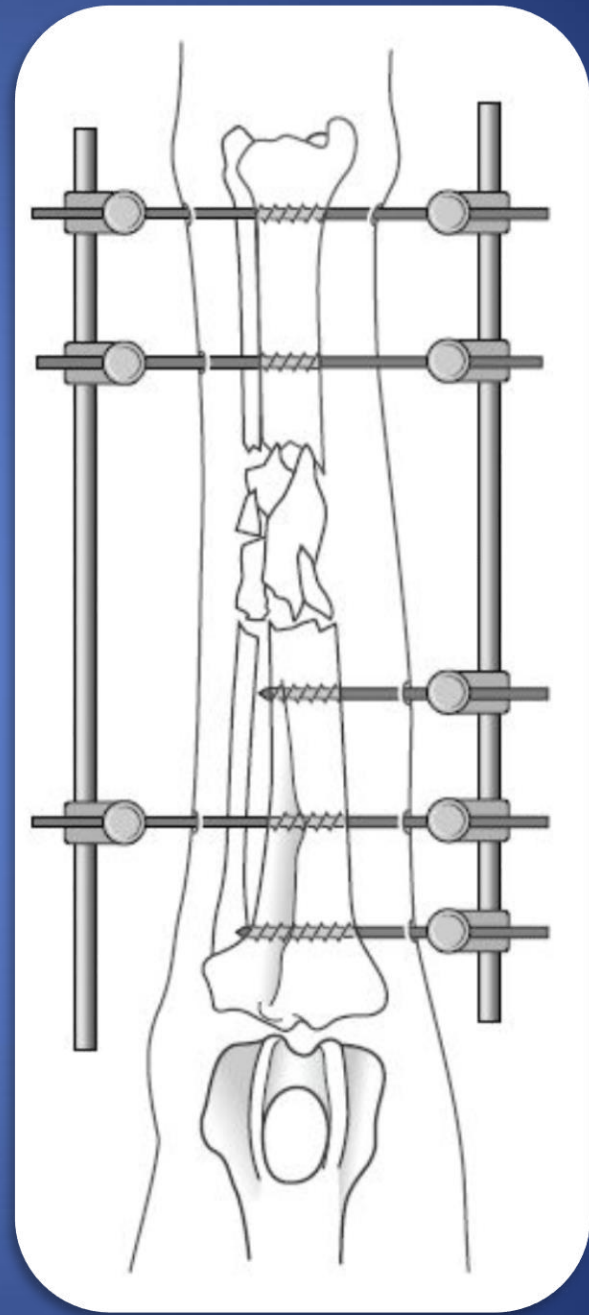
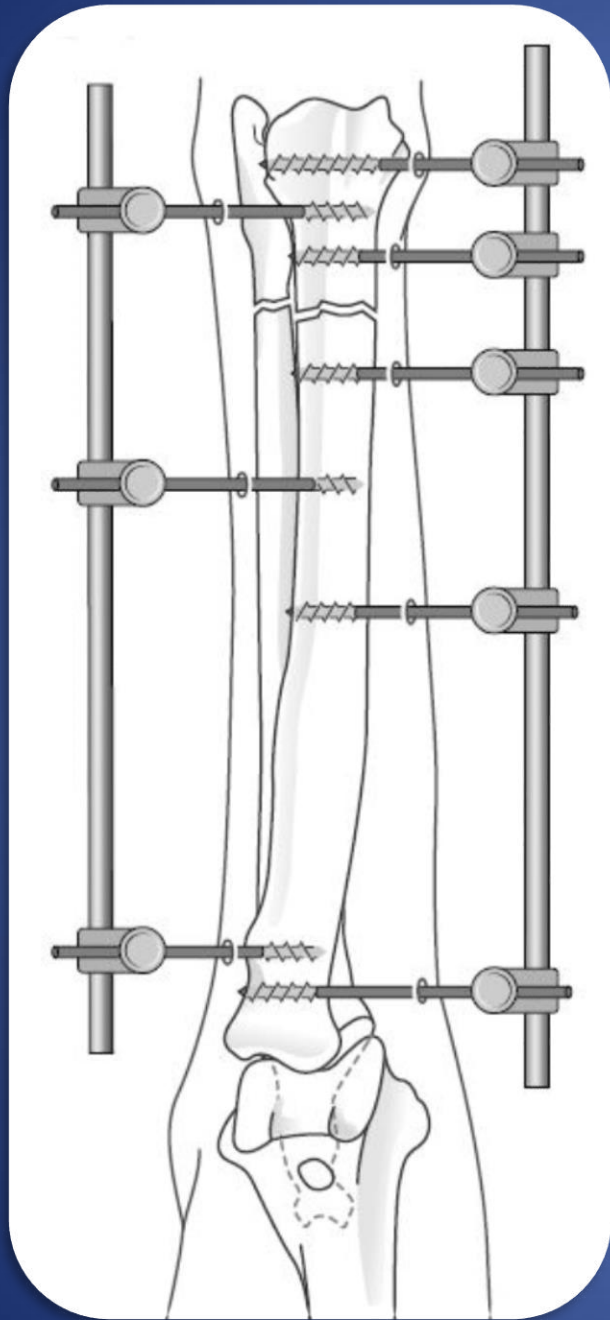
LC-DCP Plak

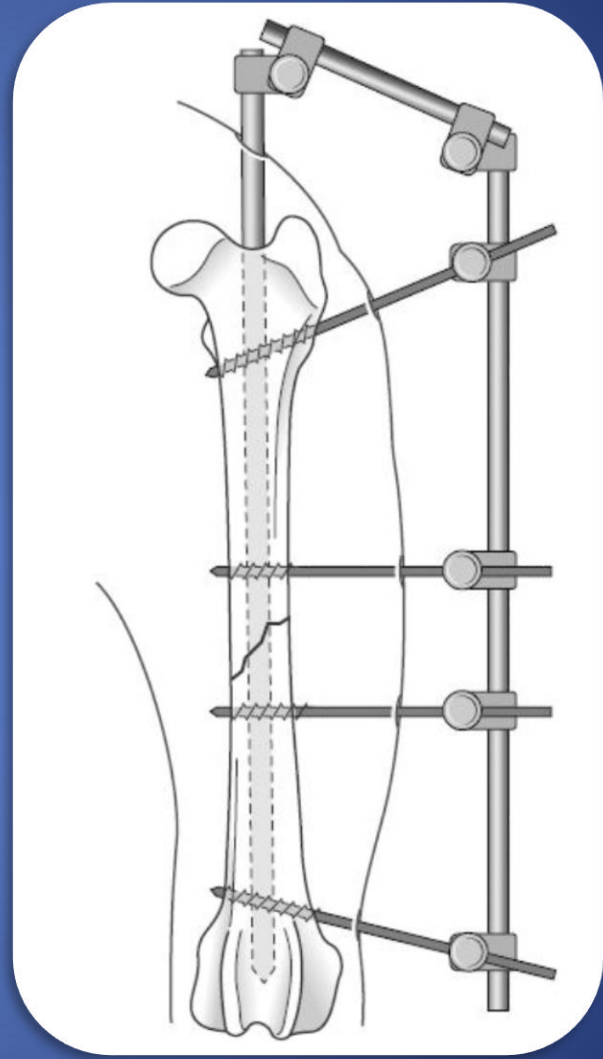
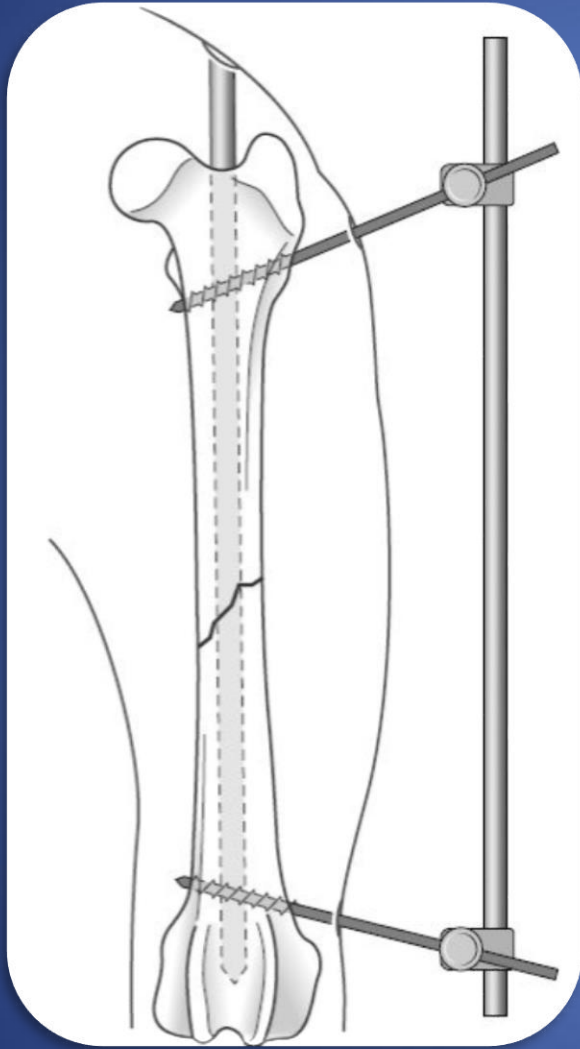


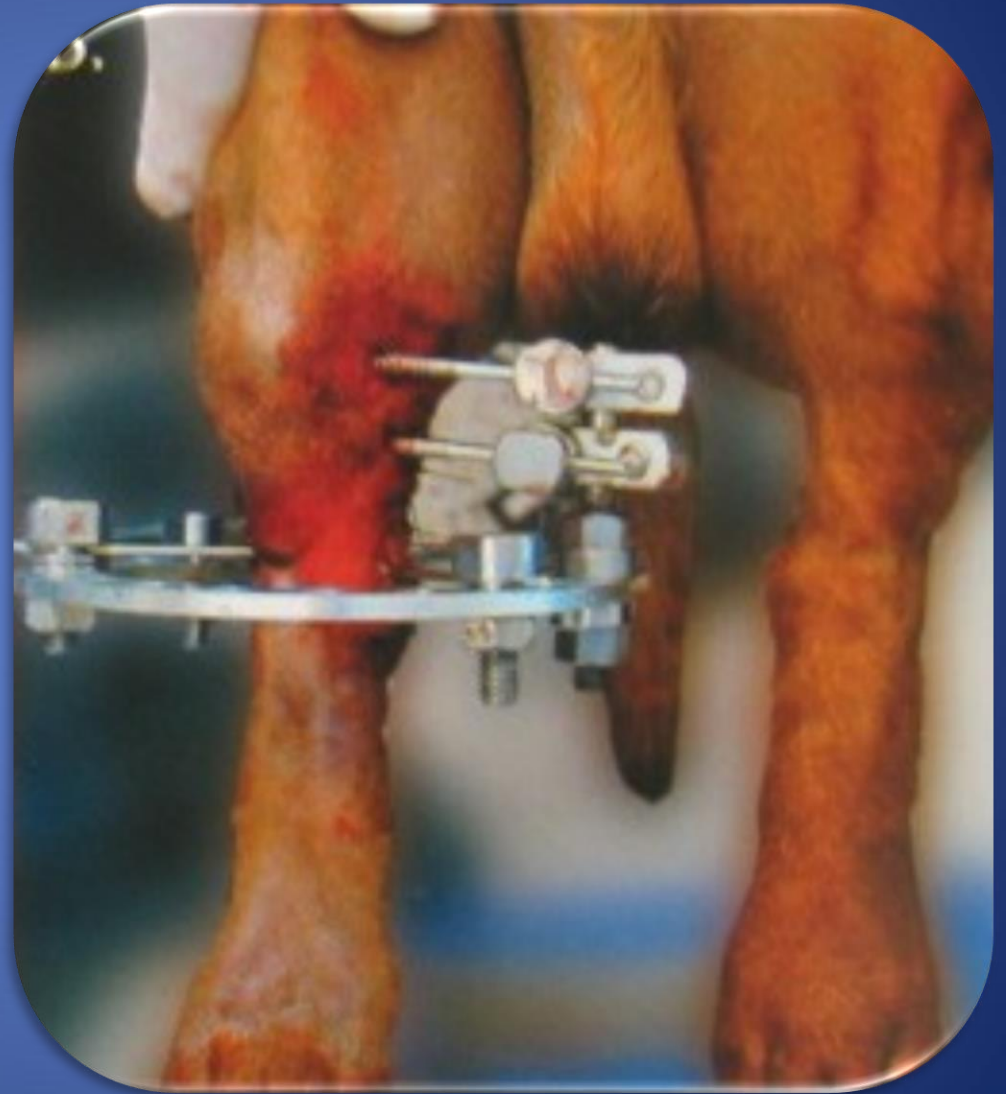
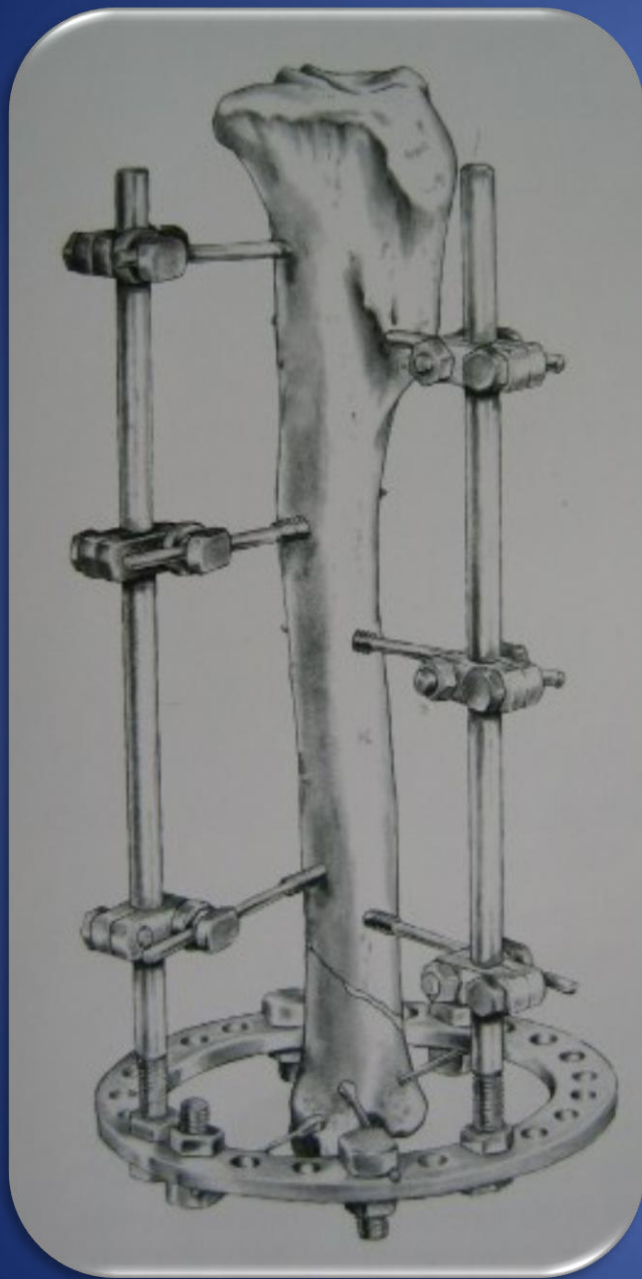
Eksternal Fiksator











- Eksternal fiksatorün başlıca kullanım endikasyonları:
 1. Açık kırıkların immobilizasyonu
 2. Kemik uzatma operasyonları
 3. Geniş doku yaralanması veya yanıklarla birlikte olan kırık sağaltımı
 4. Pelvis kırıklarının immobilizasyonu

5. Artrodez operasyonlarında immobilizasyon ve kompresyon sağlamak
6. Kemik kaybı olan kırıklarda, ekstremitte kısalığını önlemek
7. Kırık ile birlikte damar, sinir onarımı gereken olgularda kırık immobilizasyonu
8. Enfekte pseudoartrozların immobilizasyonu

Kemik Greftleri

1. Otogreft

- Otojen kemik flebi
- Kansellöz otogreft
- Kortikal otogreft

- Otogreftlerin Dezavantajları
 - Sınırlı miktarda temin edilebilmesi
 - Greft alımının morbiditesi olan bir işlem olması ve cerrahi, anestezi süresini uzatması. Bunların başlıcaları:
 - Kan kaybı
 - Hematom
 - Enfeksiyon
 - Kırık

- İnstabilite
- Deformite
- Herniasyon
- Heterotopik kemik oluşumu
- Ağrı
- Yürüme güçlüğü

2. Allogreft

3. Ksenogreft









Postoperatif

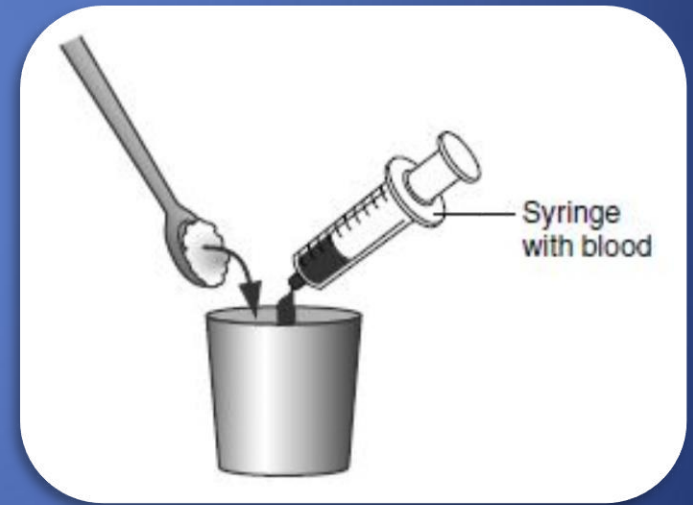
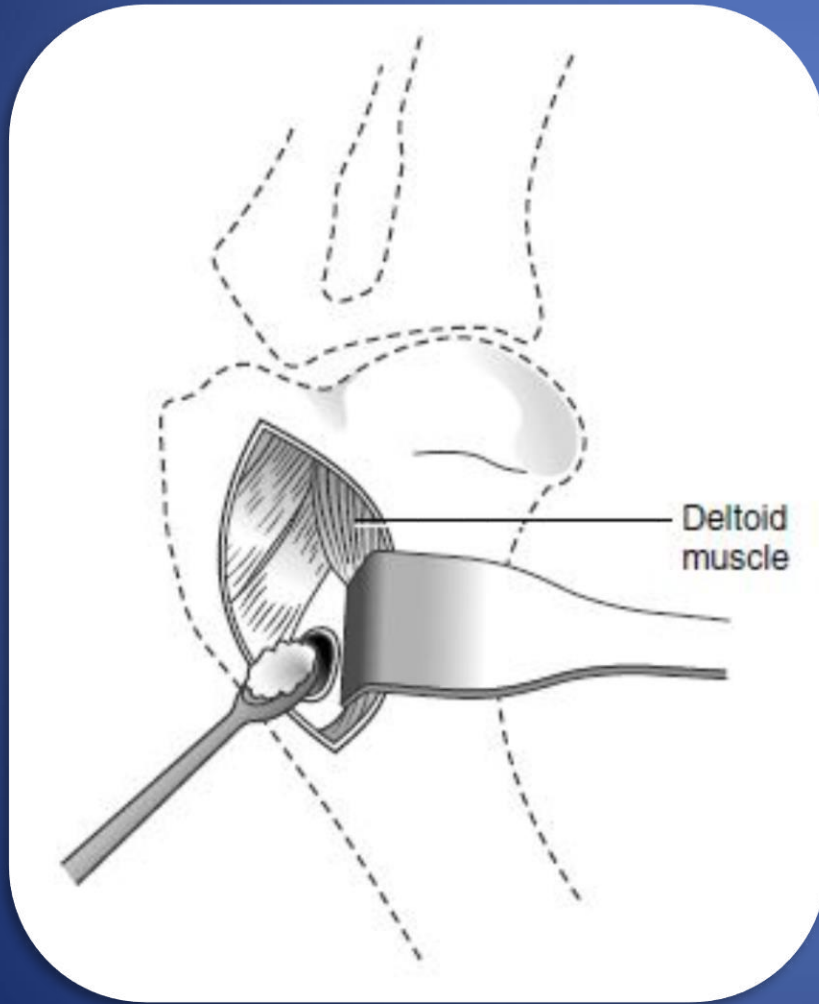


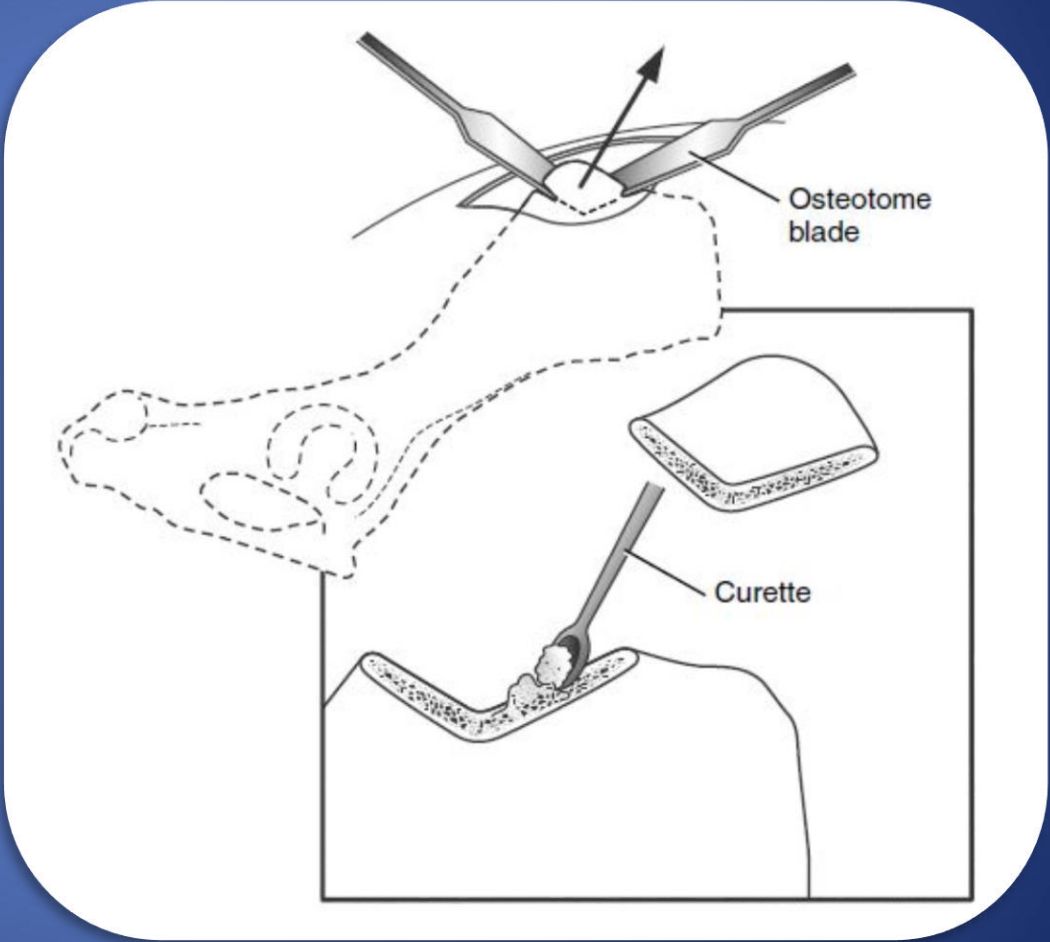
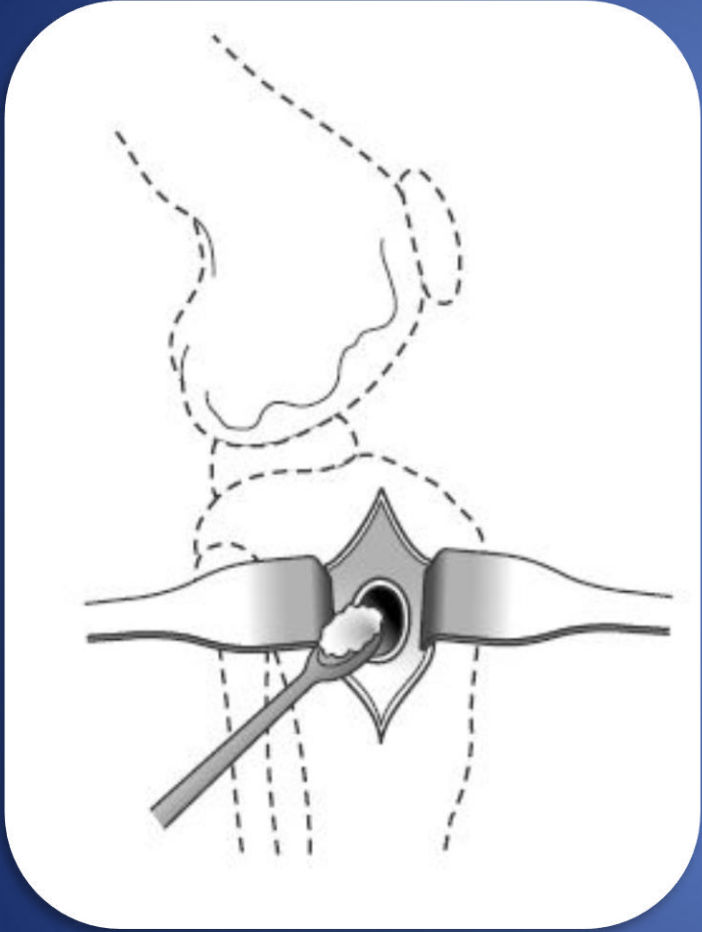
Postoperatif 3. ay



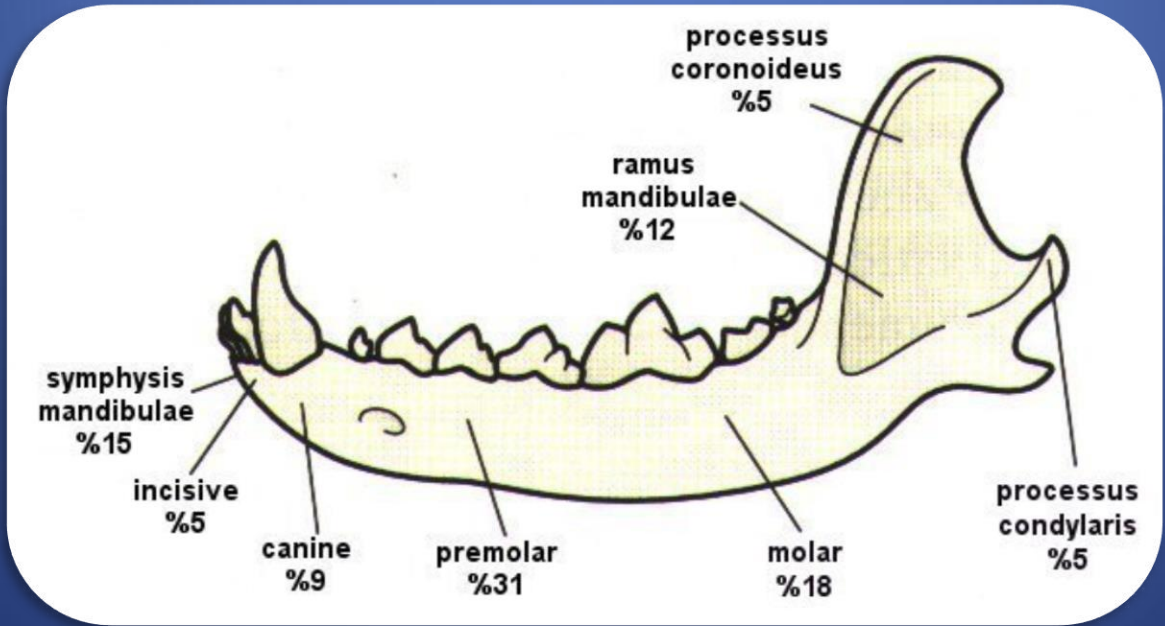
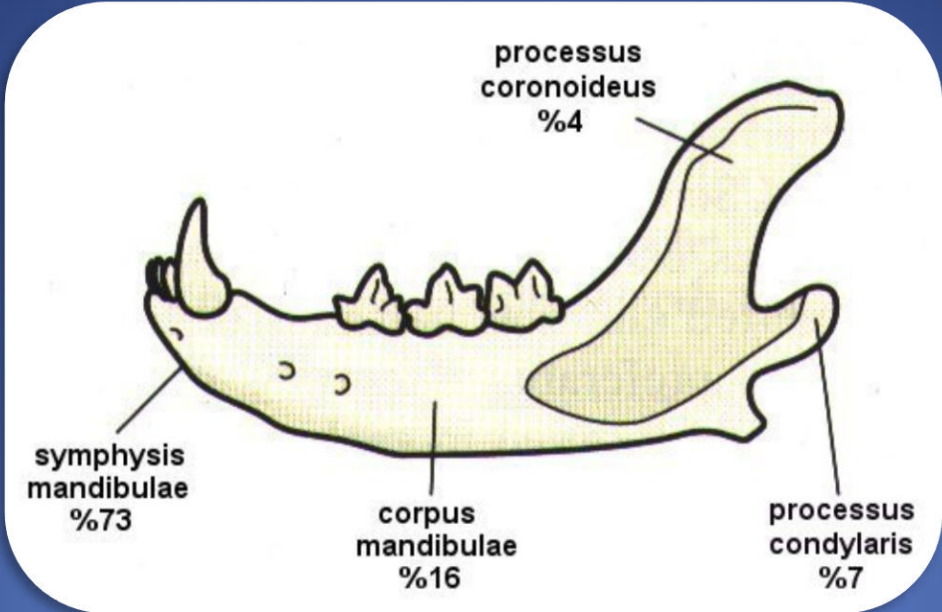
Postoperatif 12. ay

Süngerimsi Kemik Otogrefti



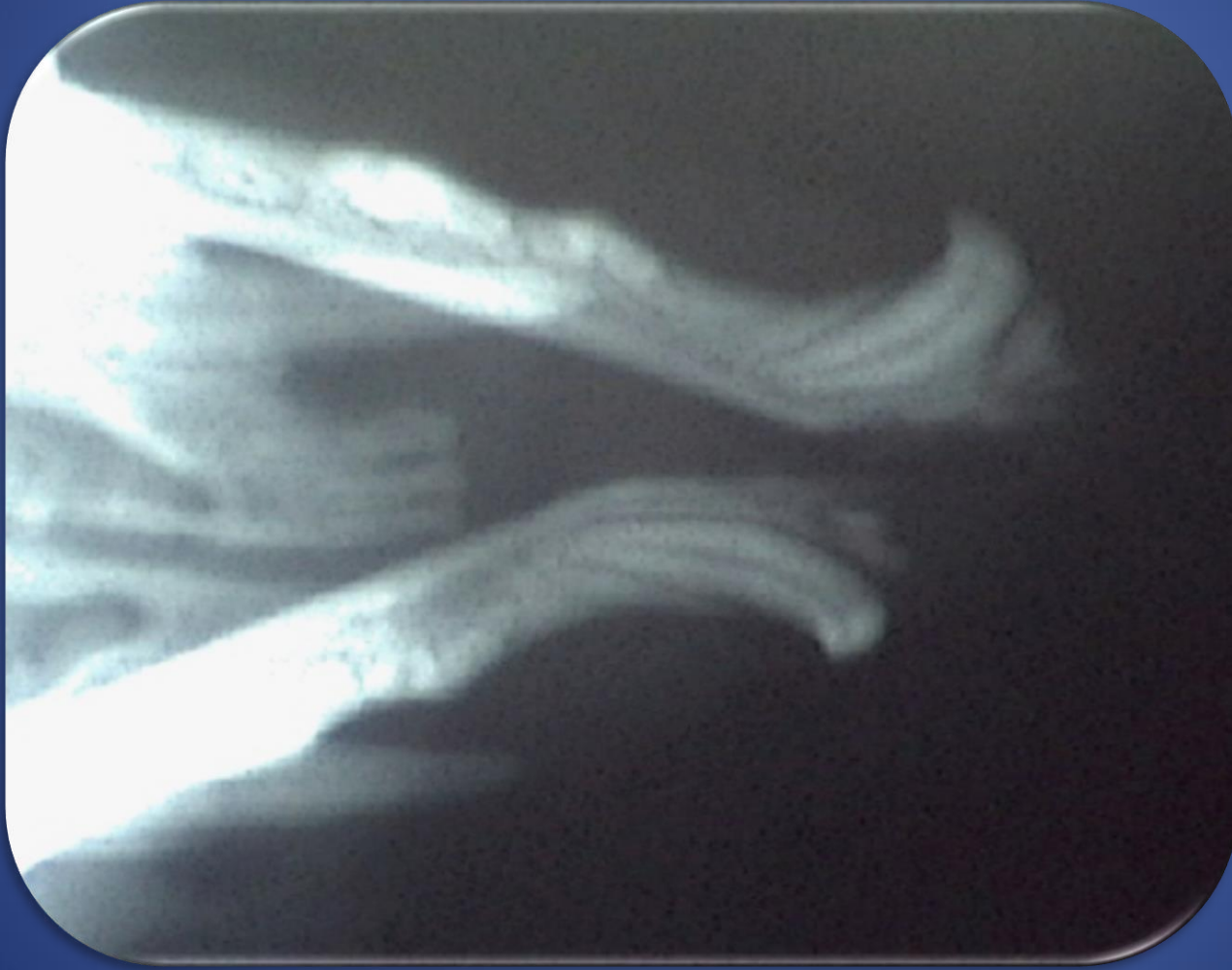


MANDIBULA



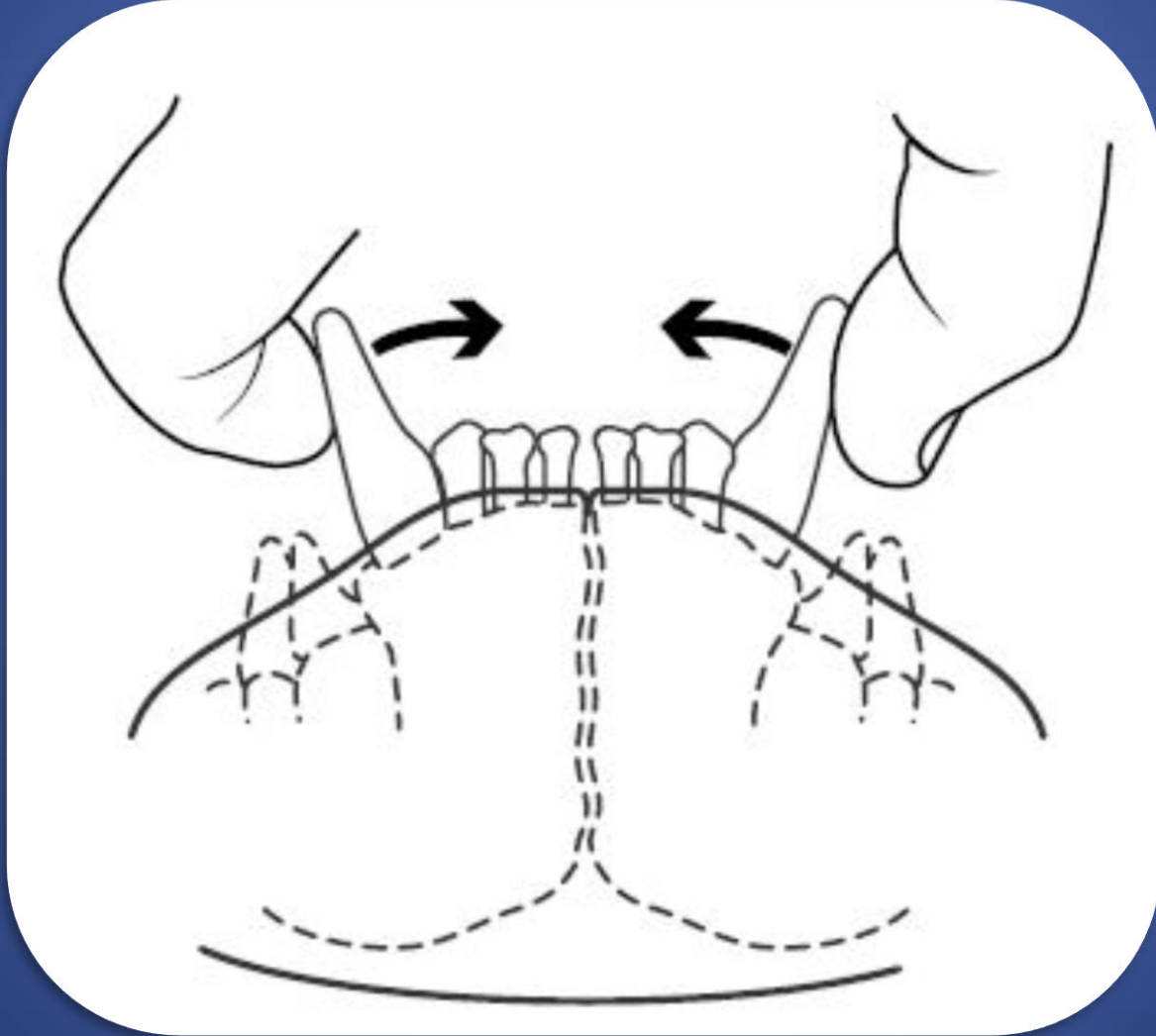
Mandibula Kırıkları

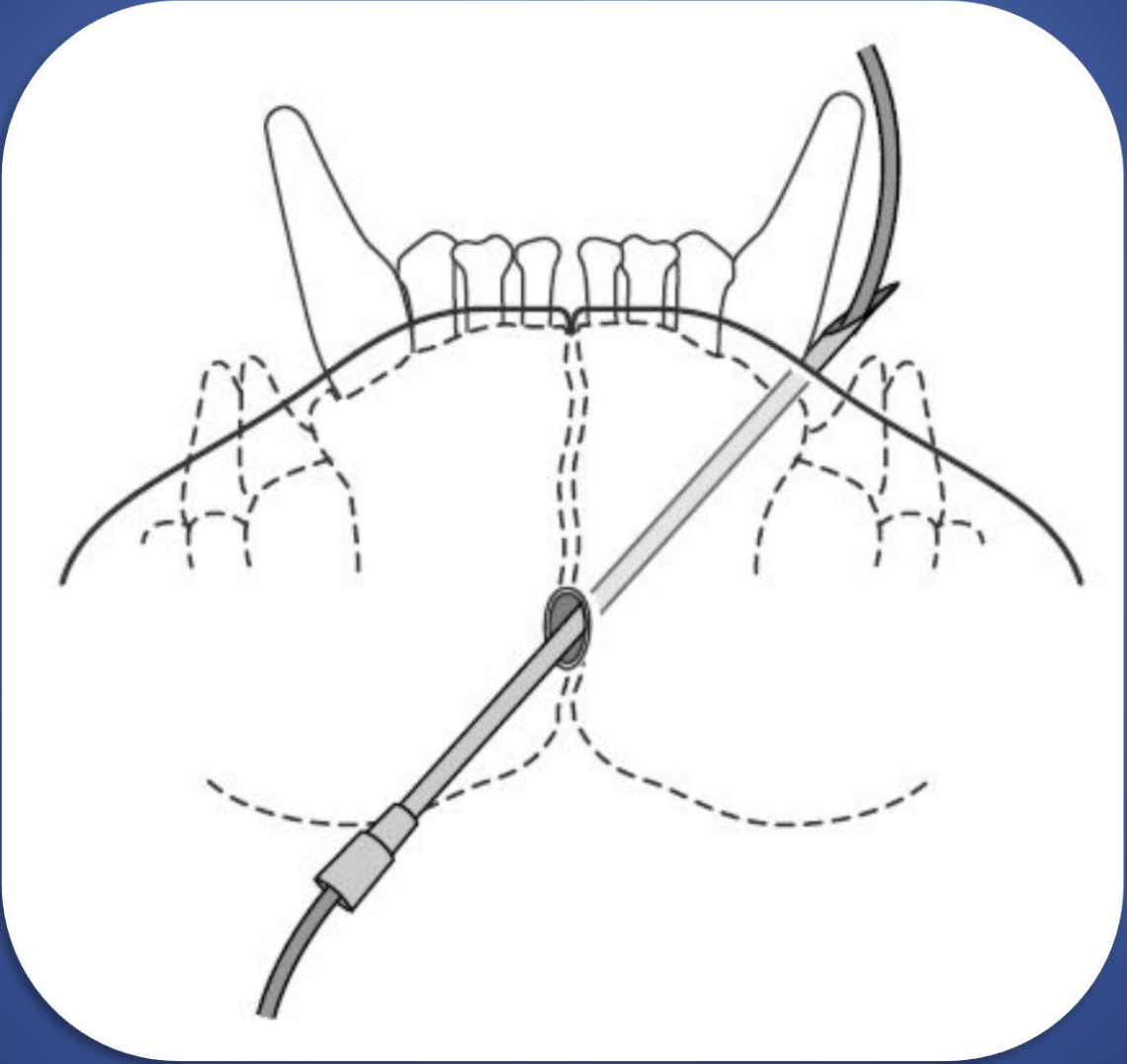
Symphysis Mandibula Ayrılması

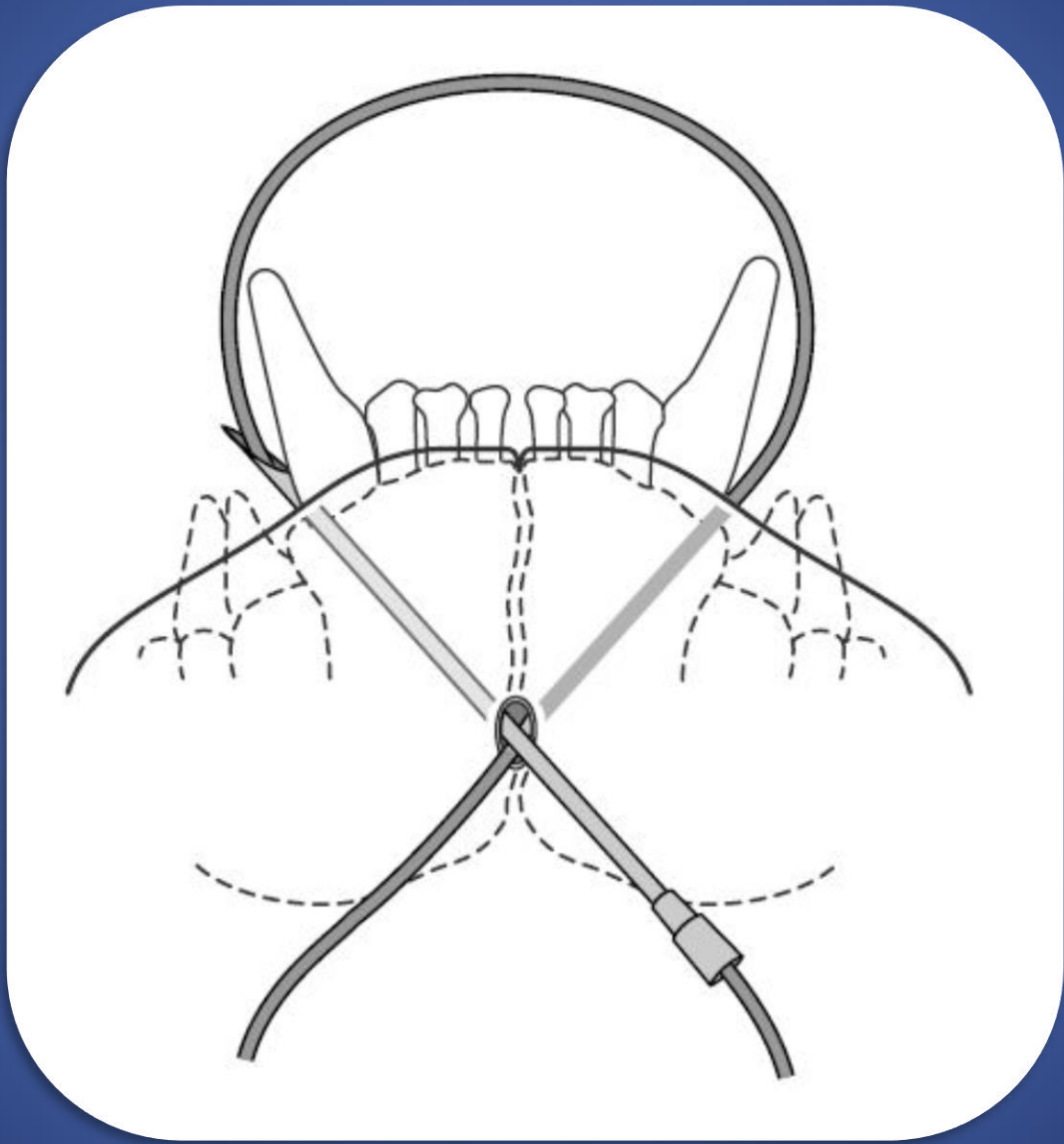


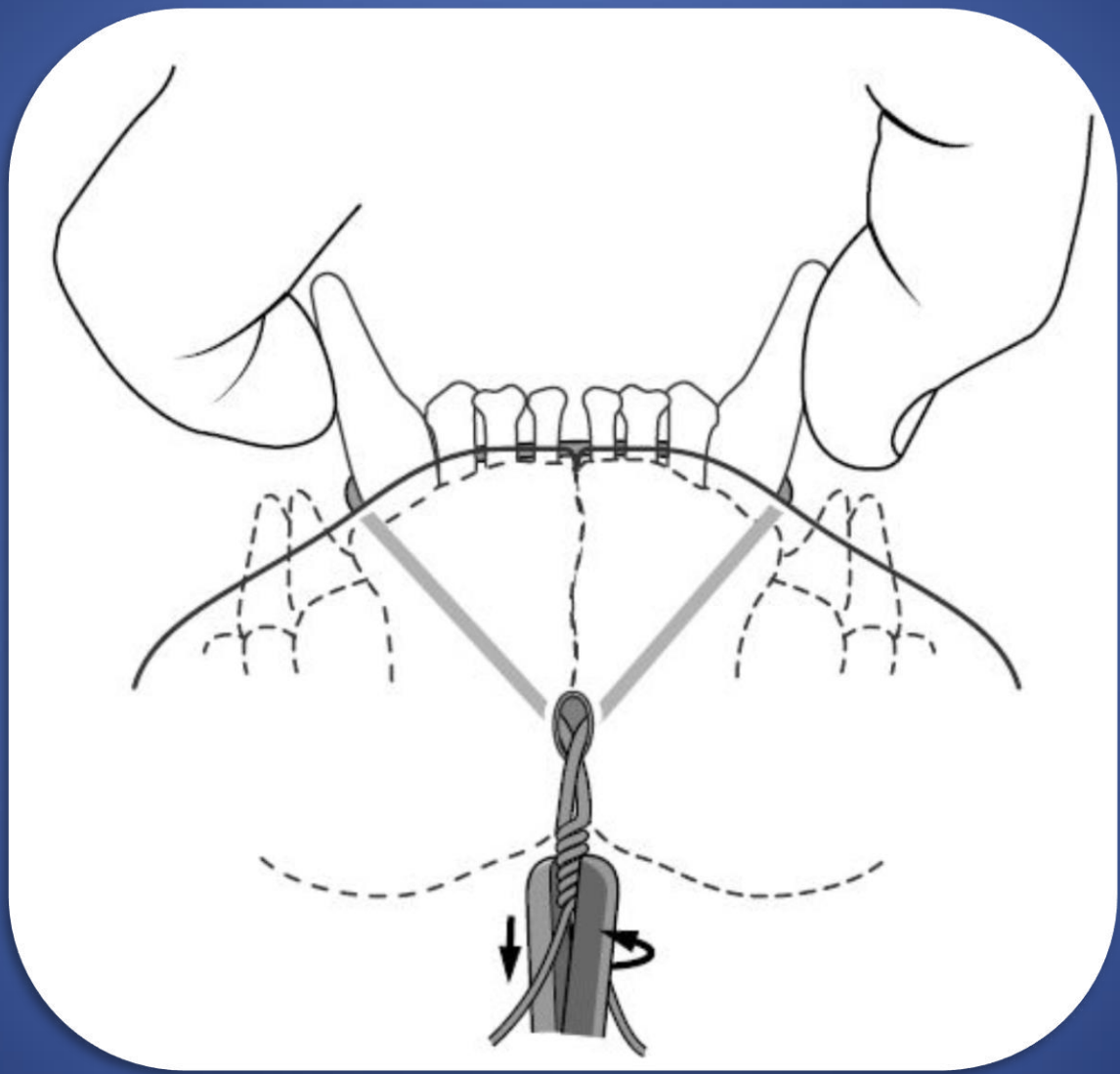


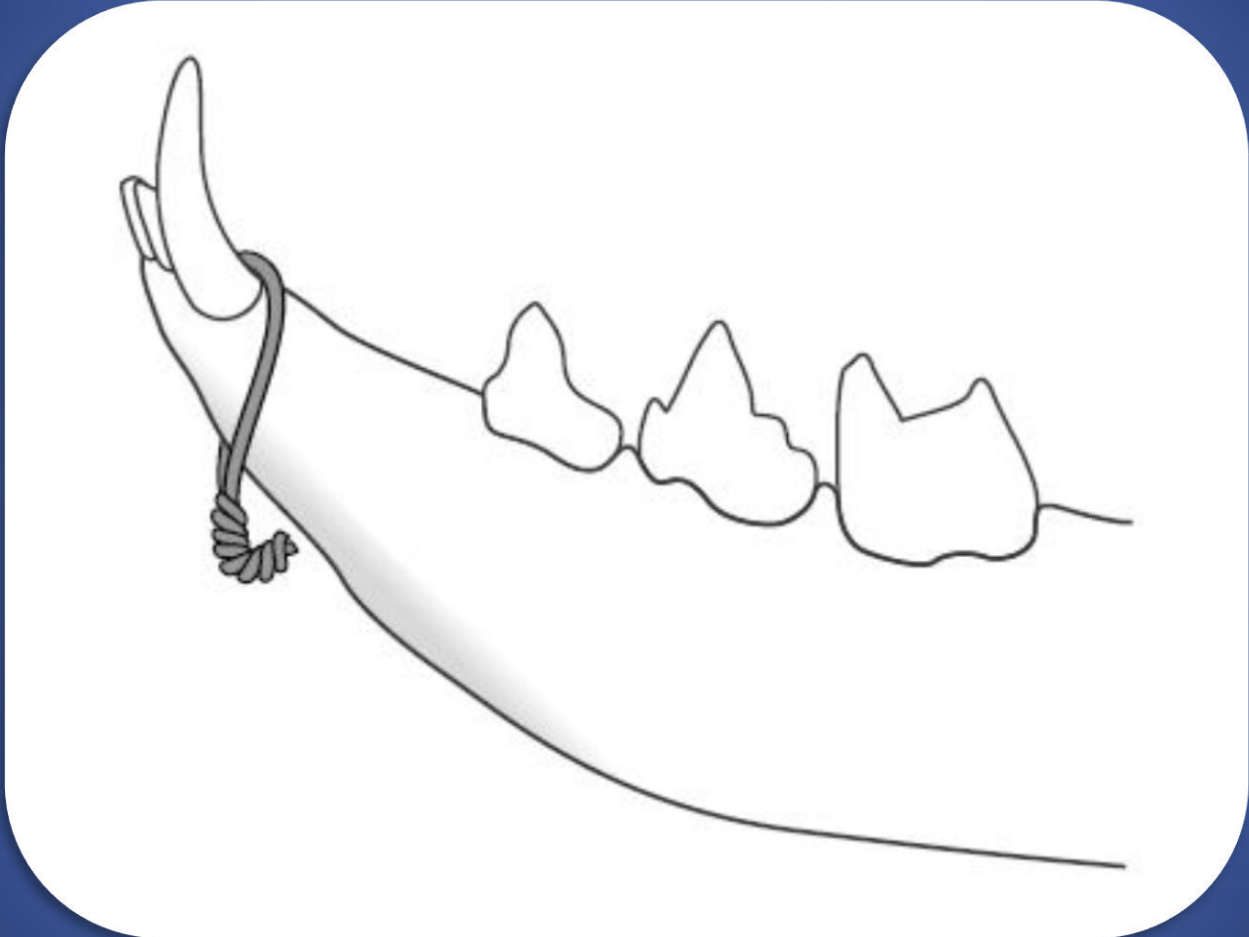
Circumferential Serklaj Teli Uygulaması



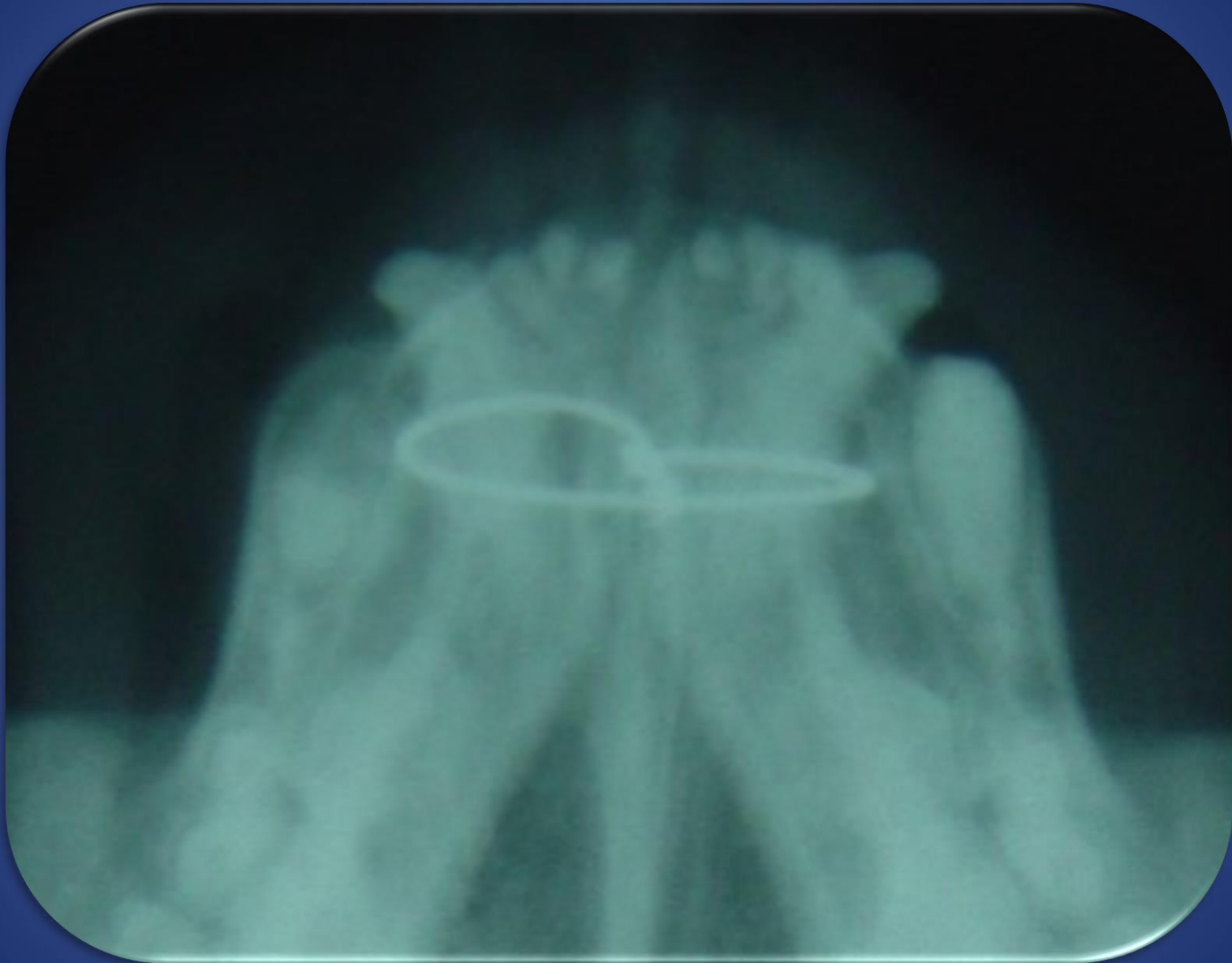




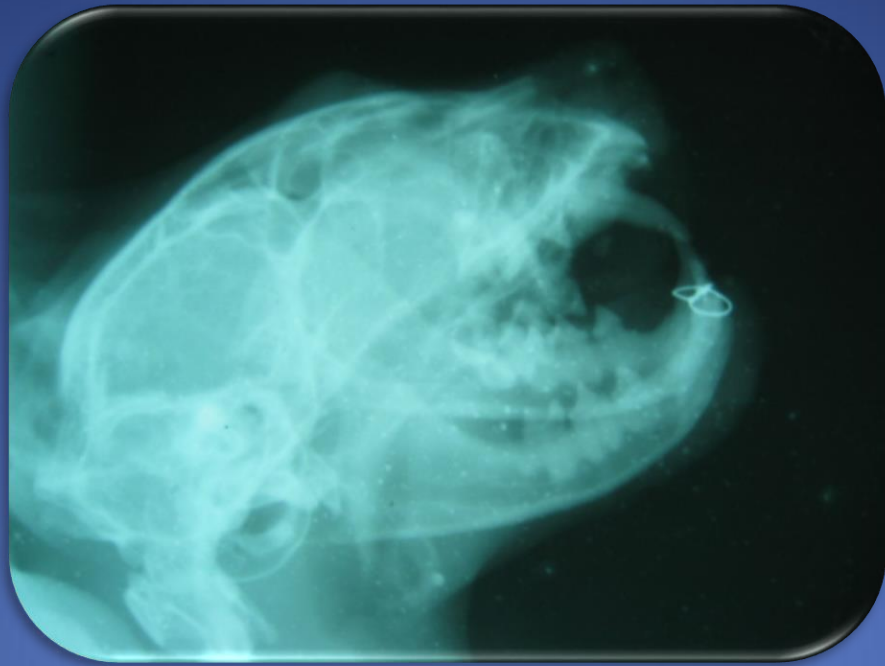




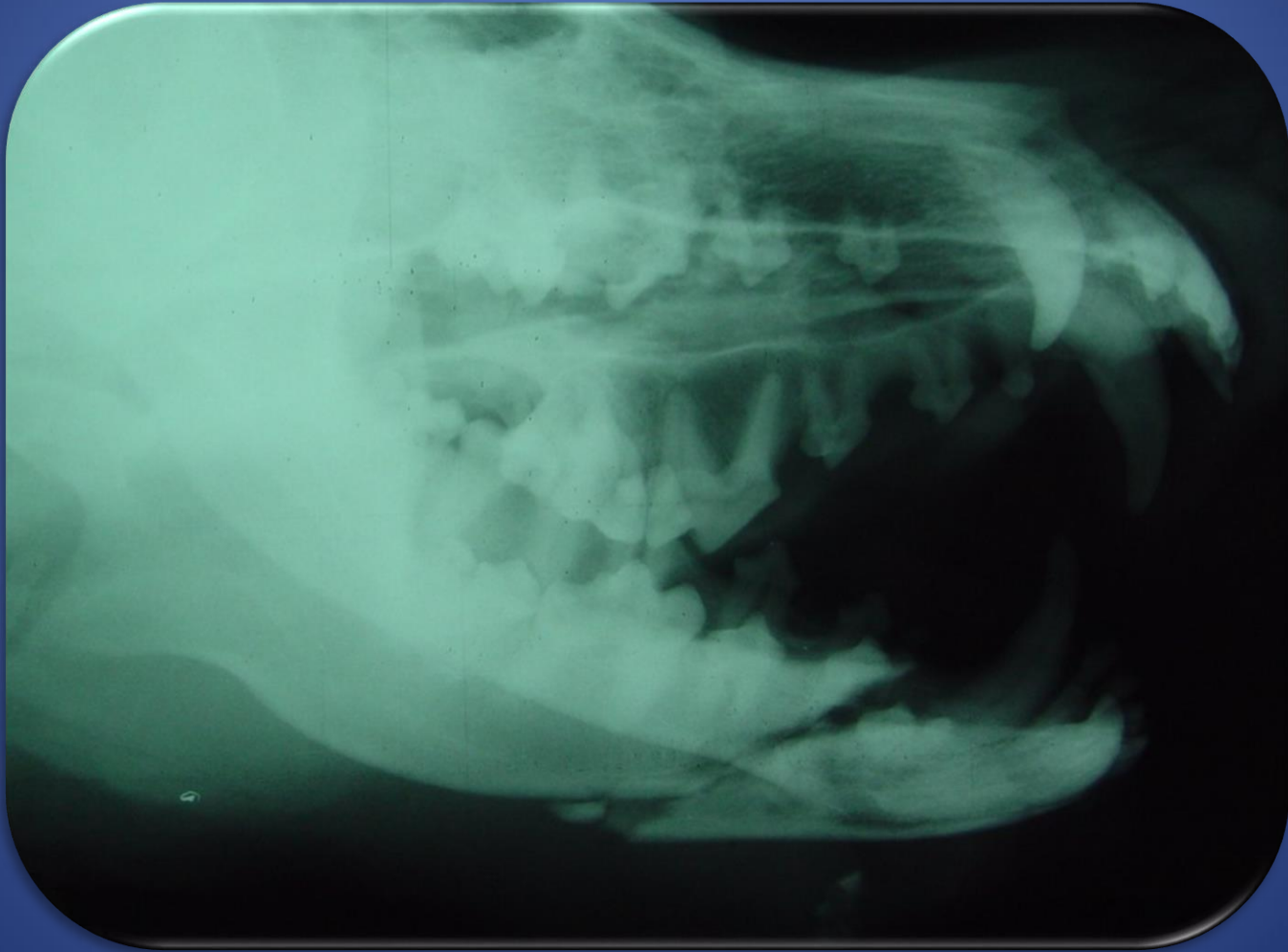




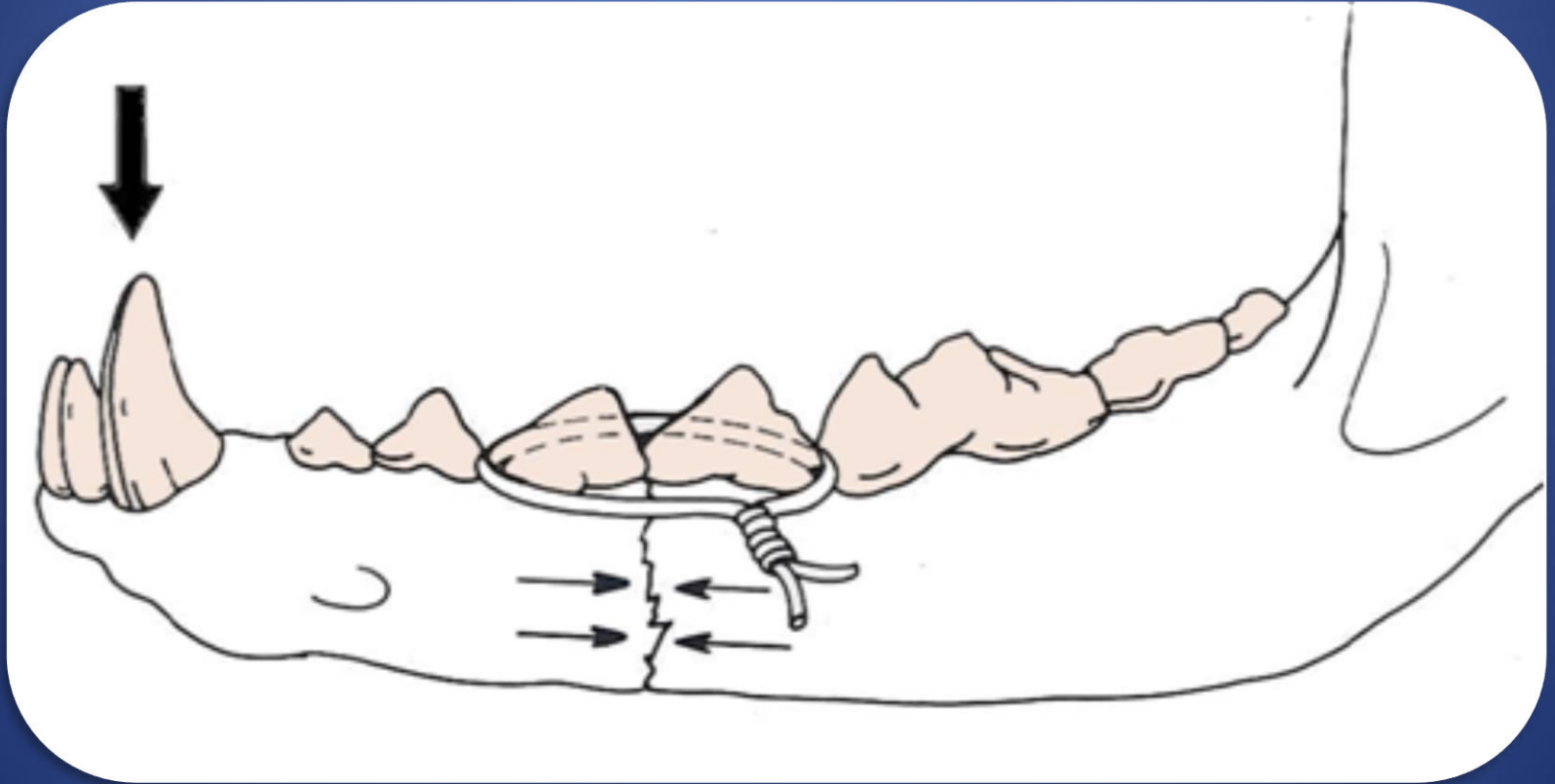


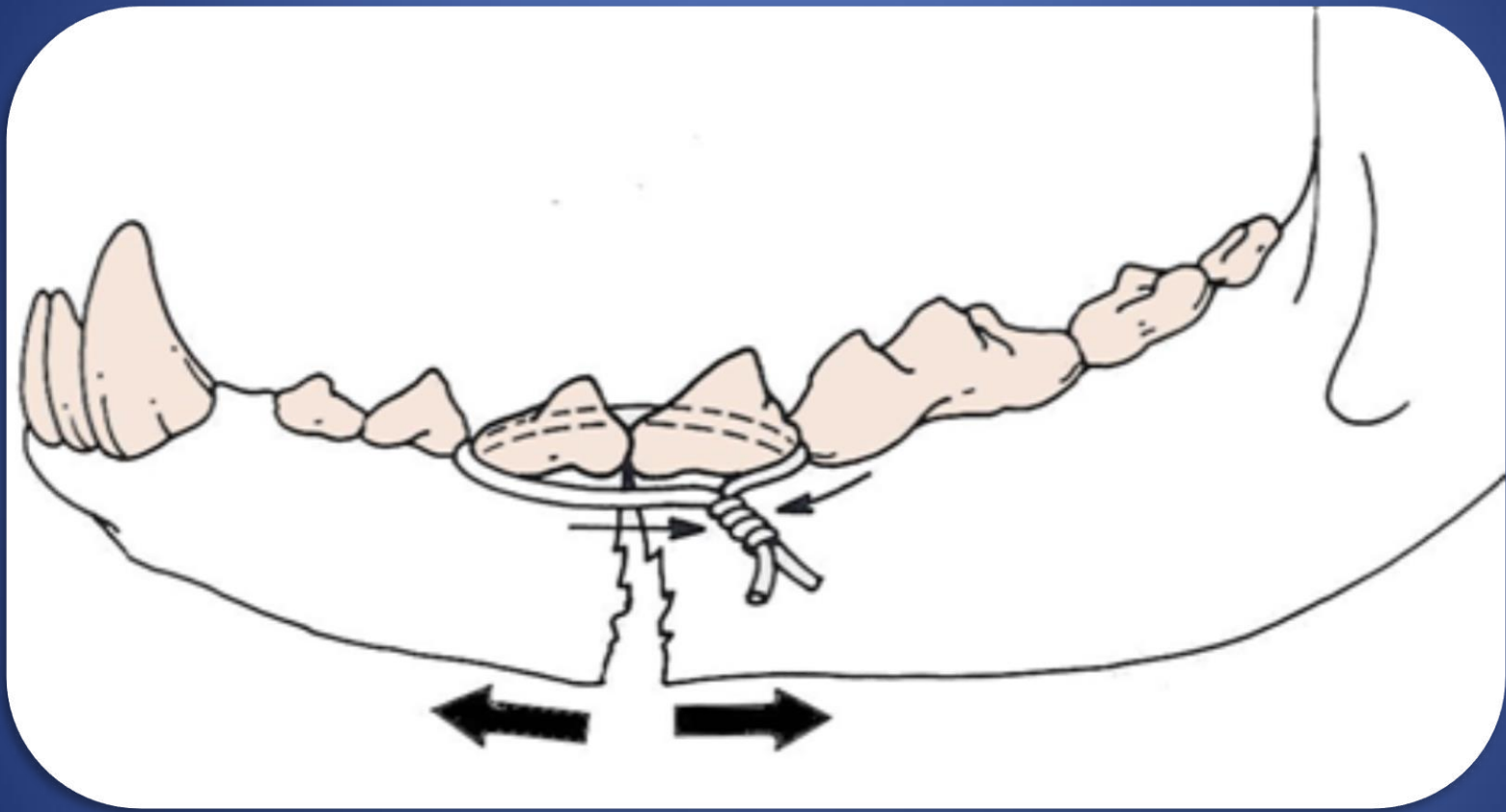


Corpus Mandibula Kırıkları

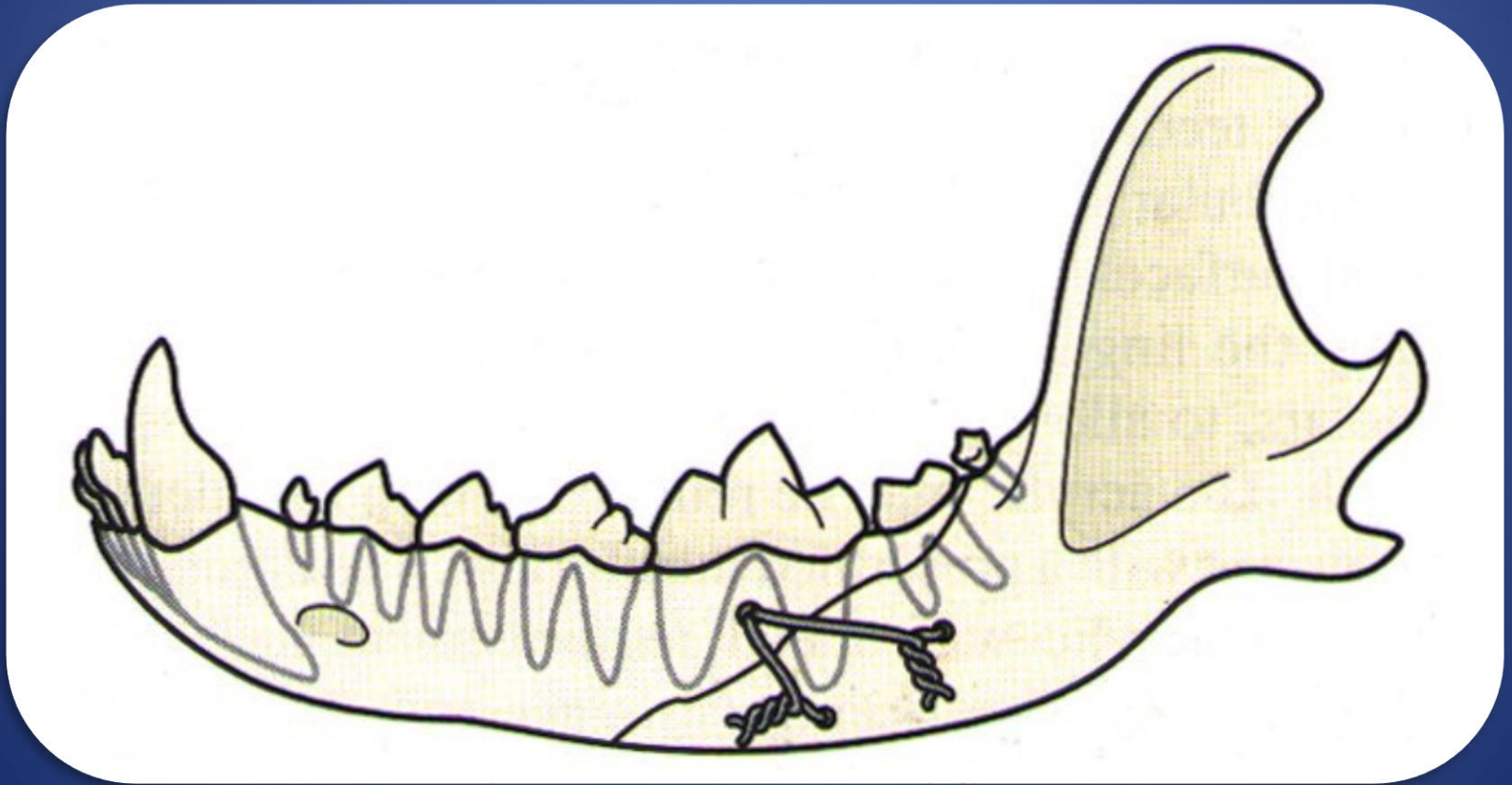


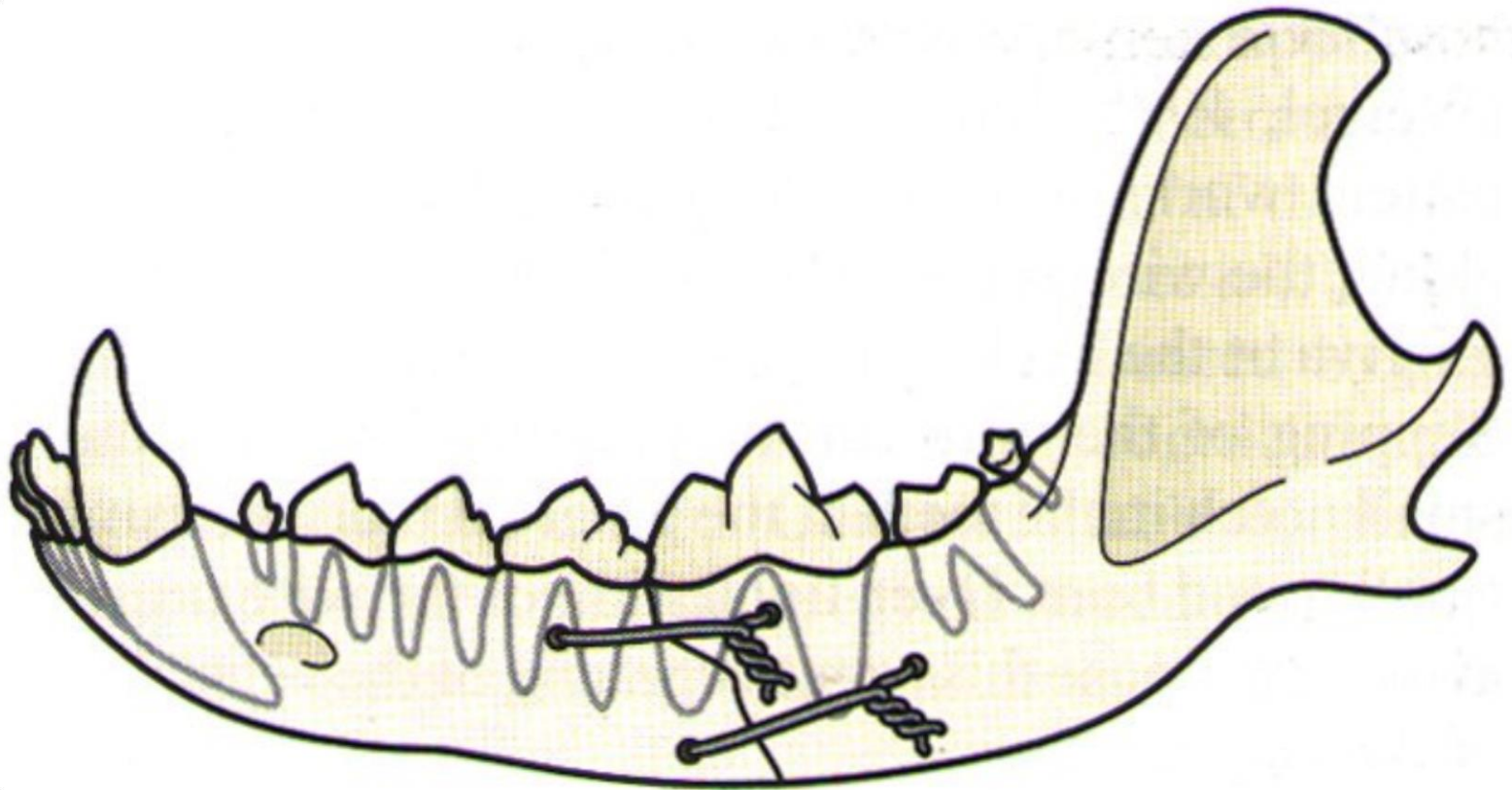
İnterdental Serklaj Teli Uygulaması

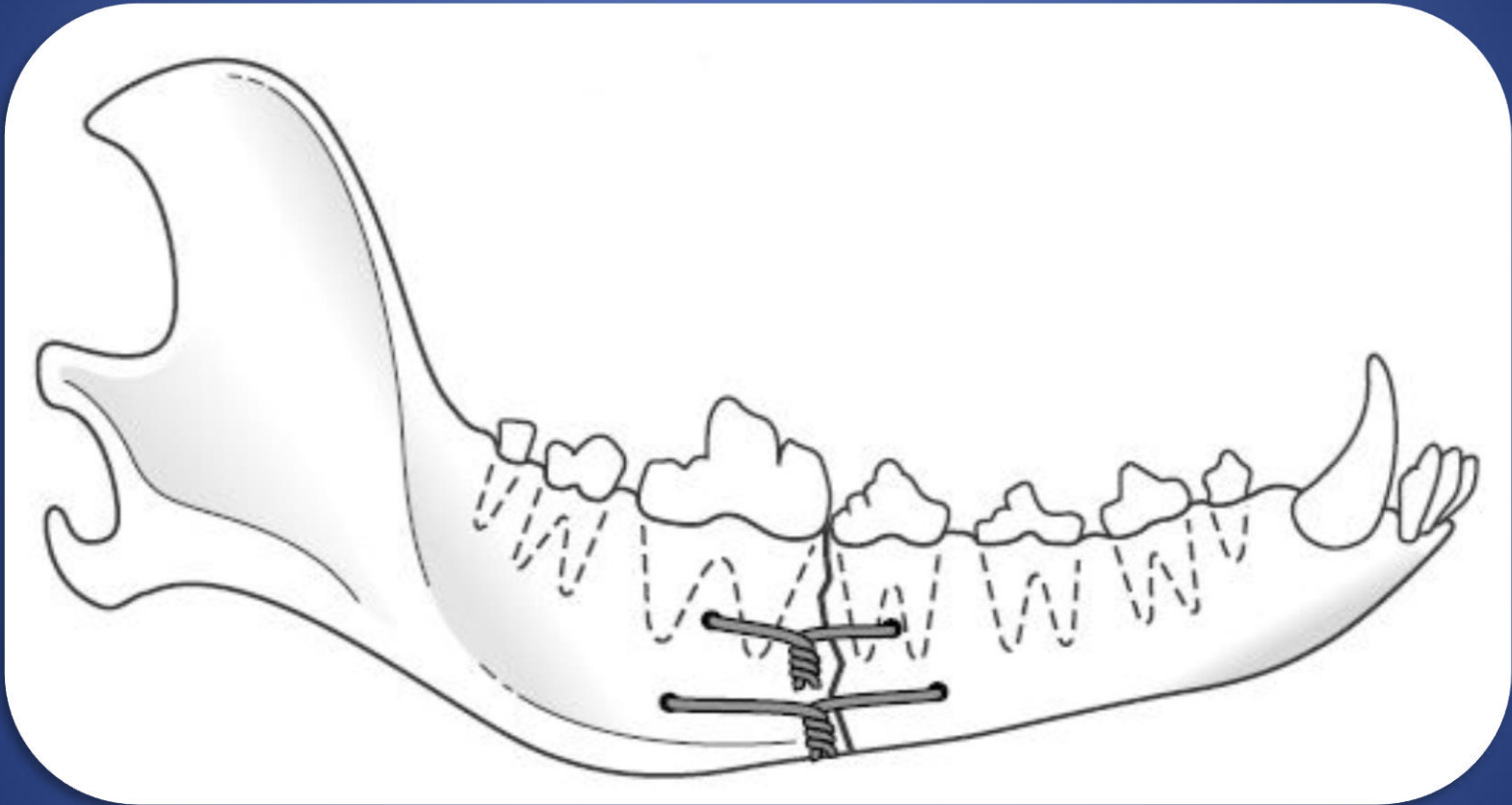


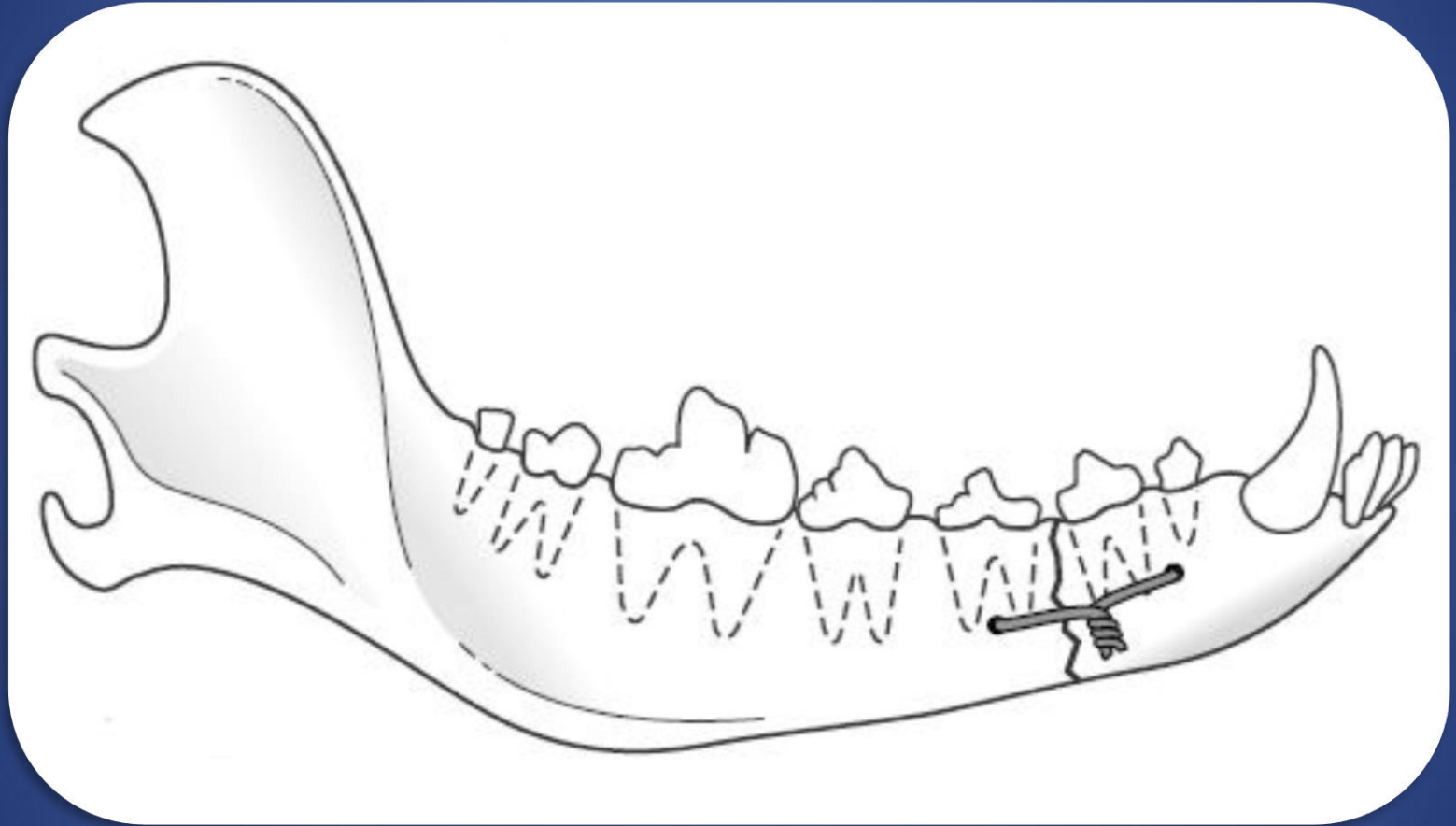


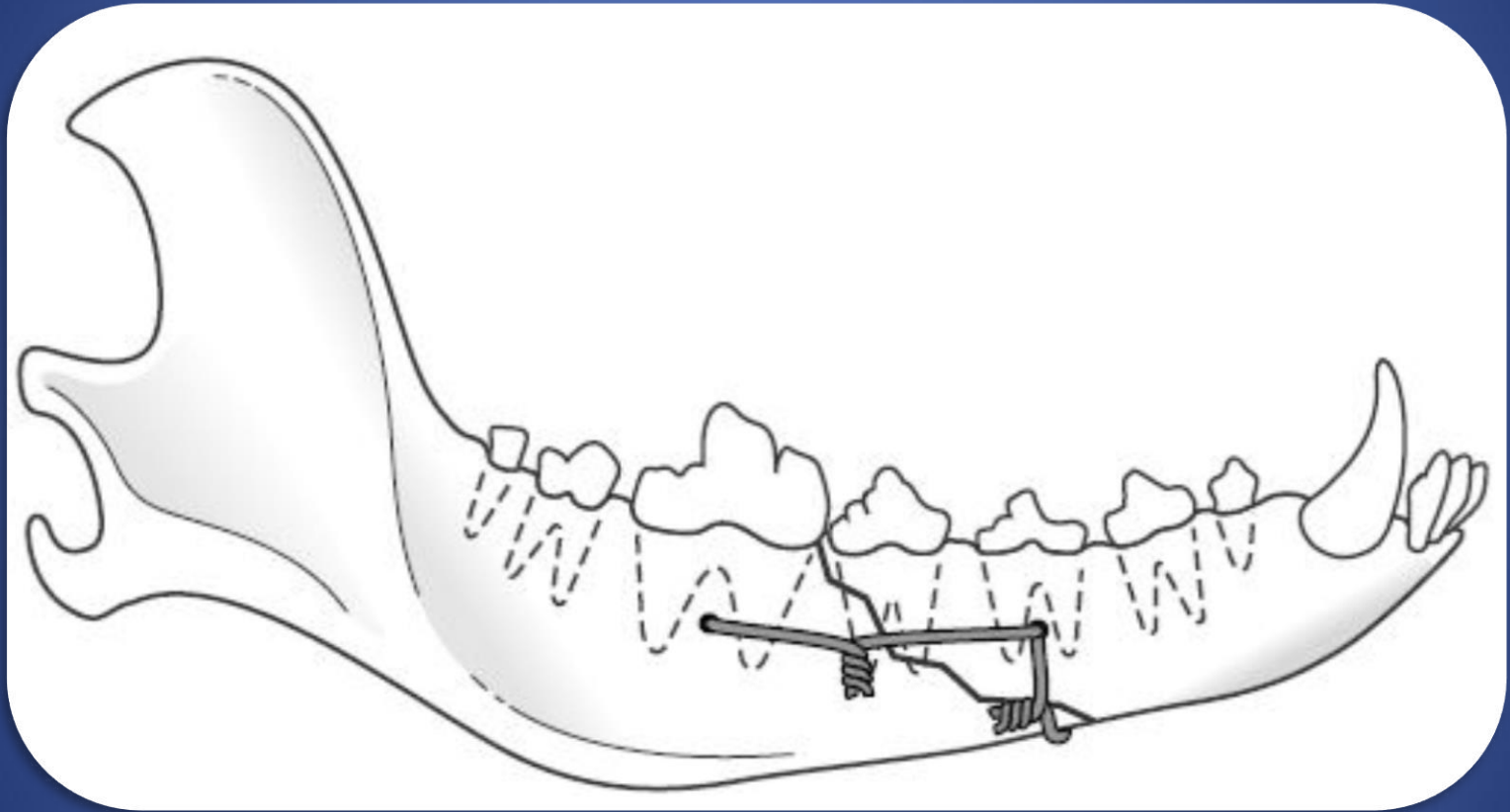
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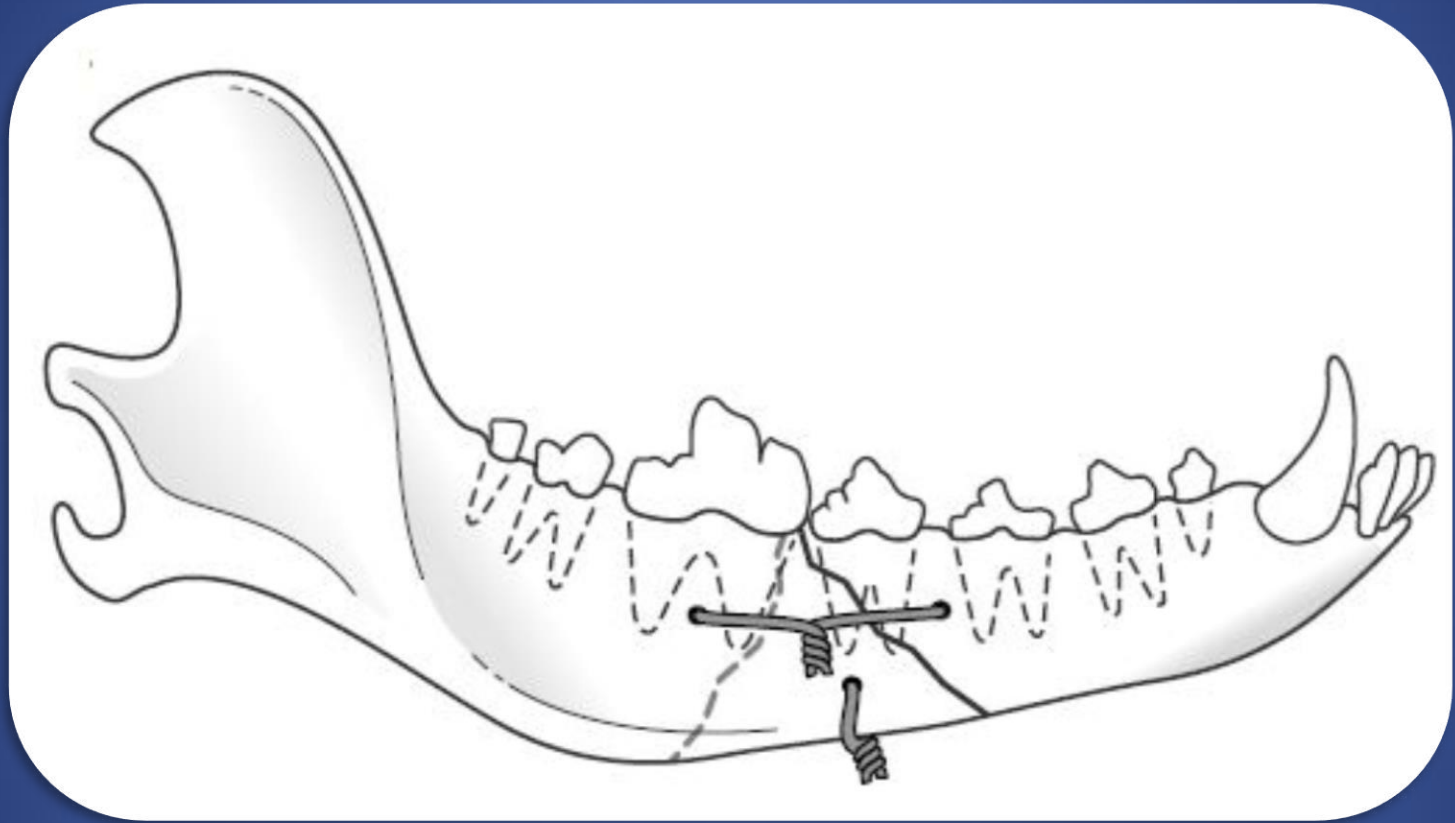


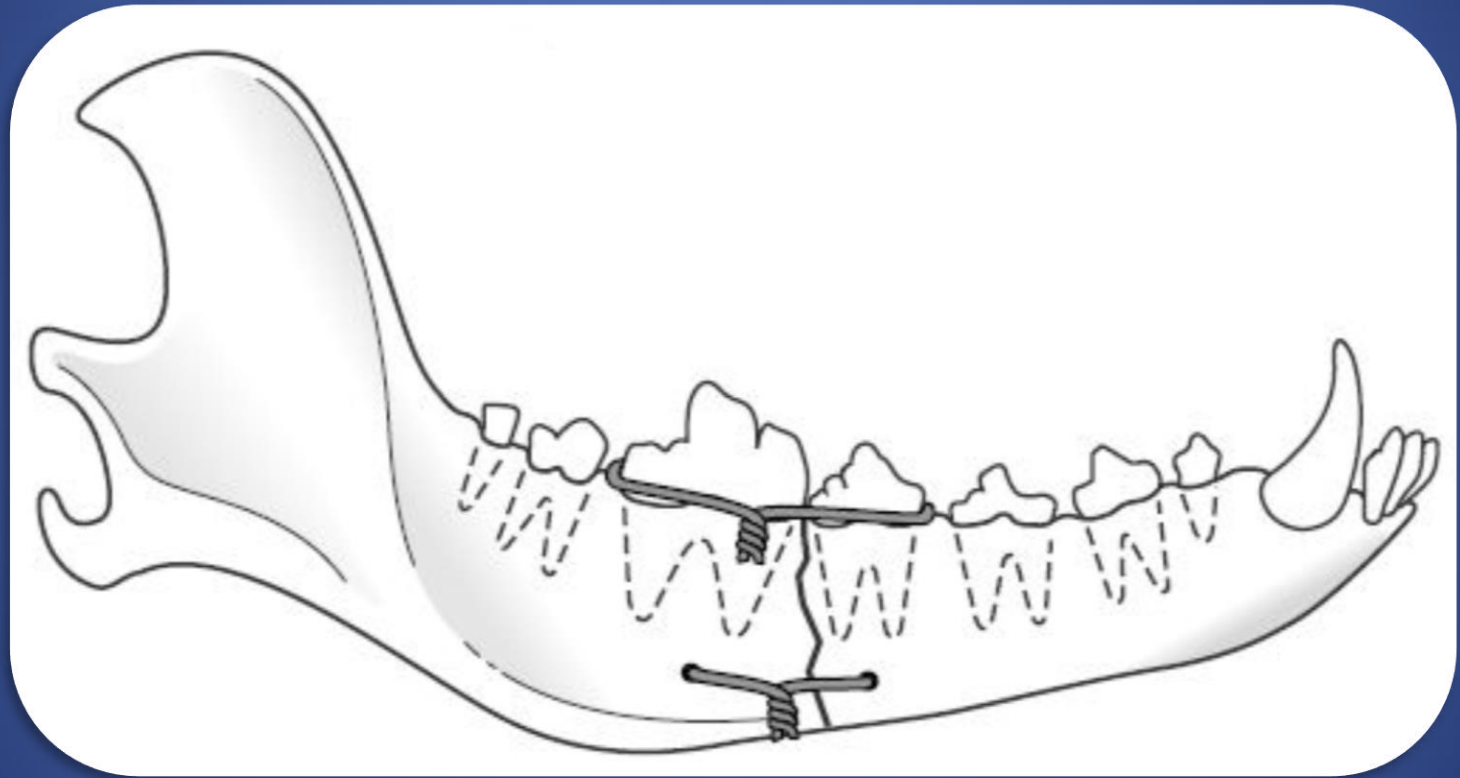




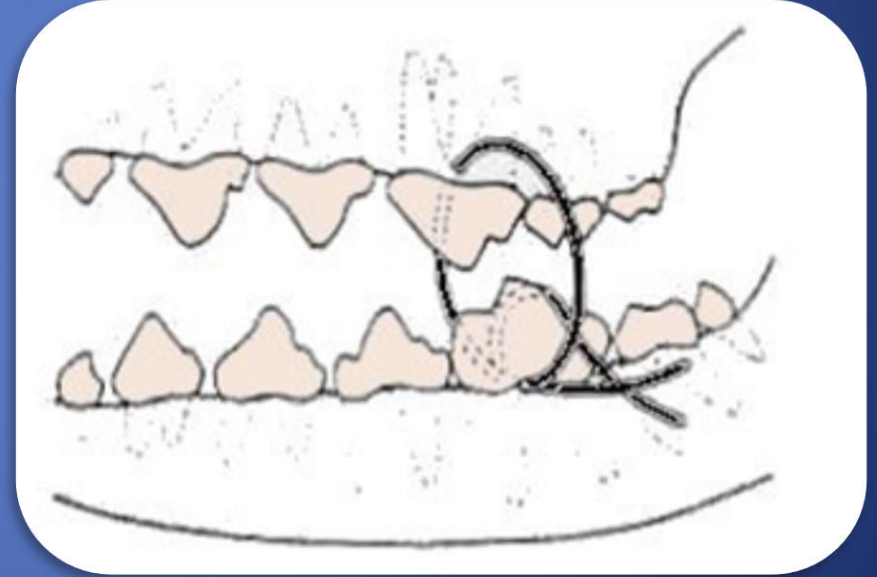
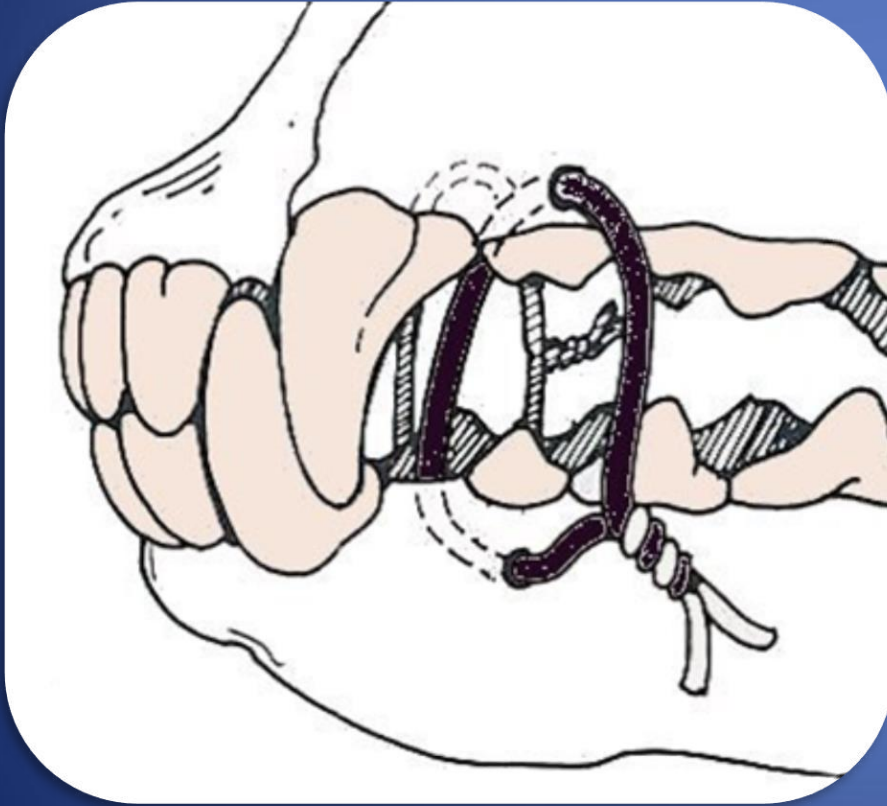






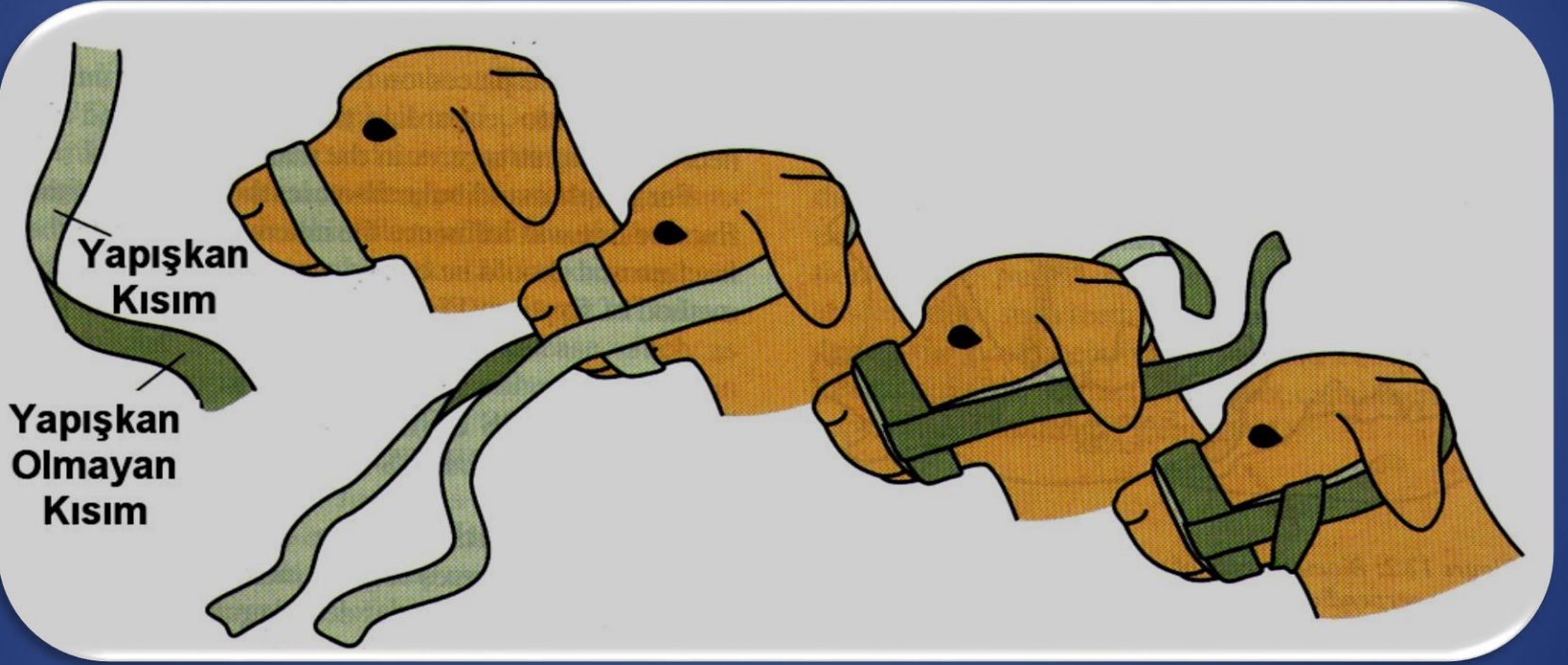


İnterarcade Serklaj Teli Uygulaması



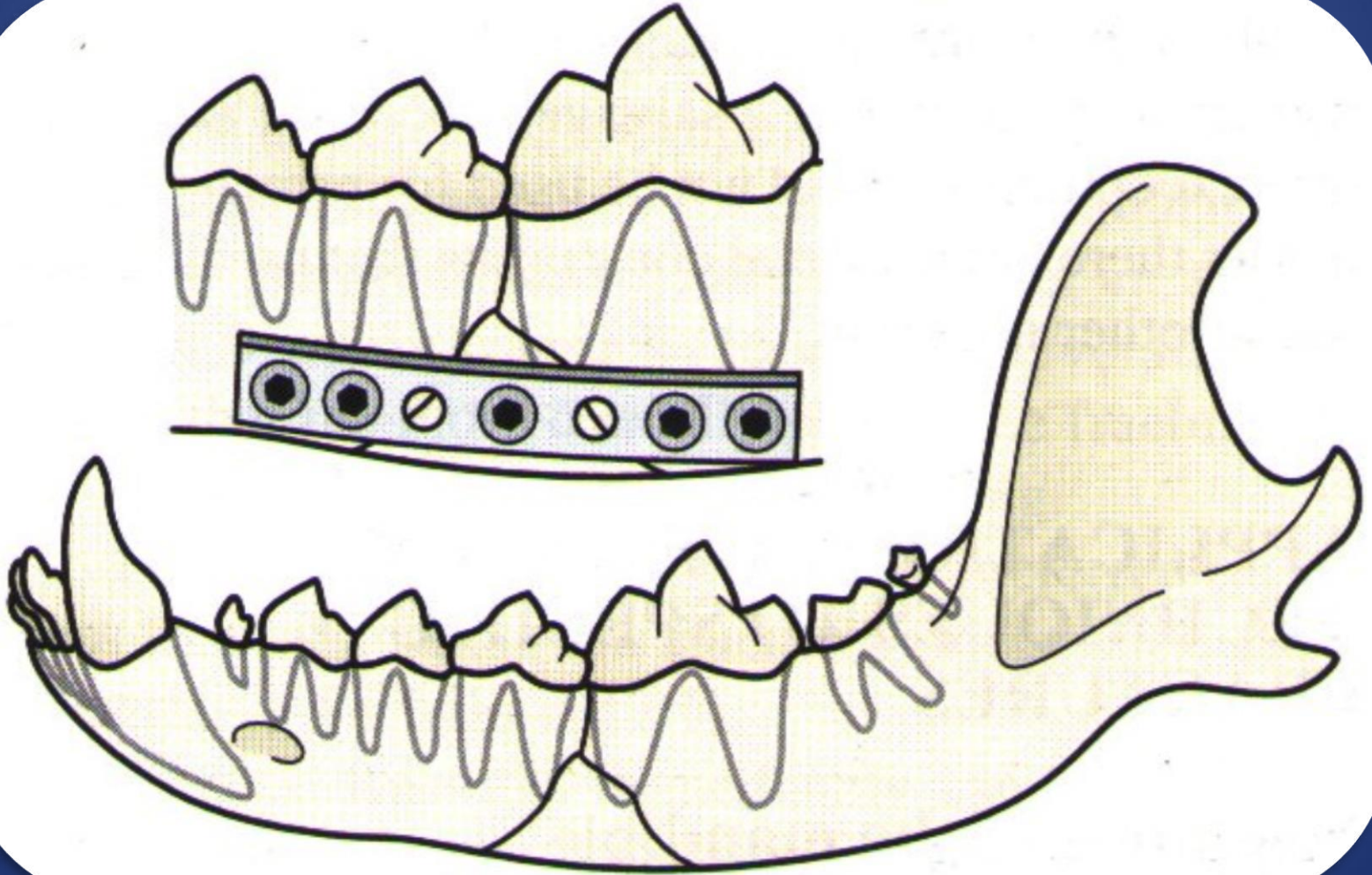


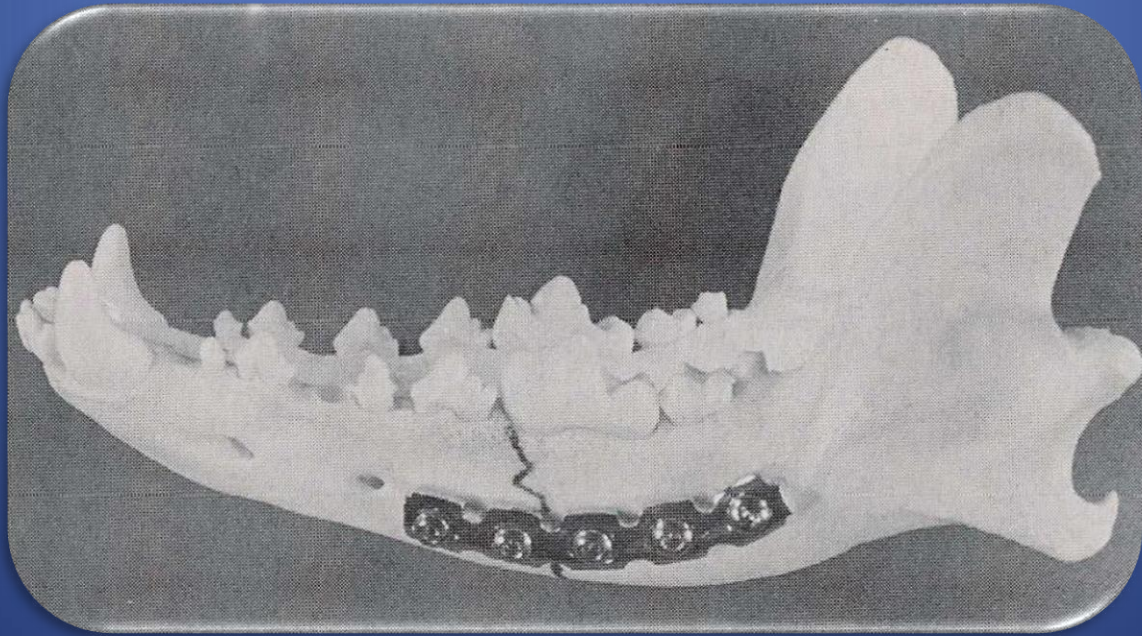
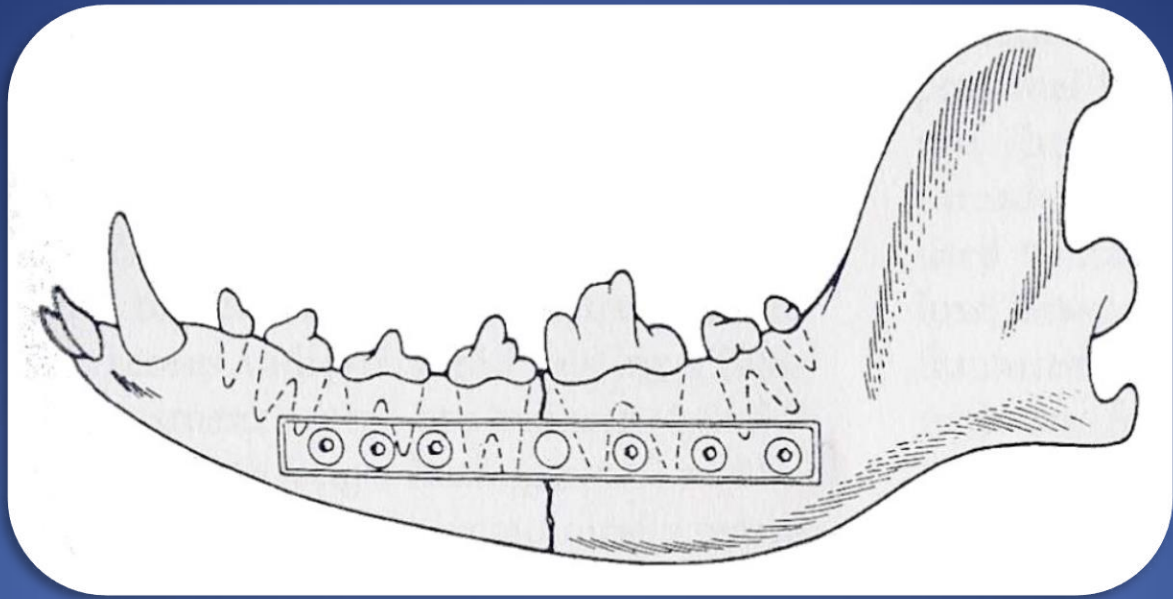
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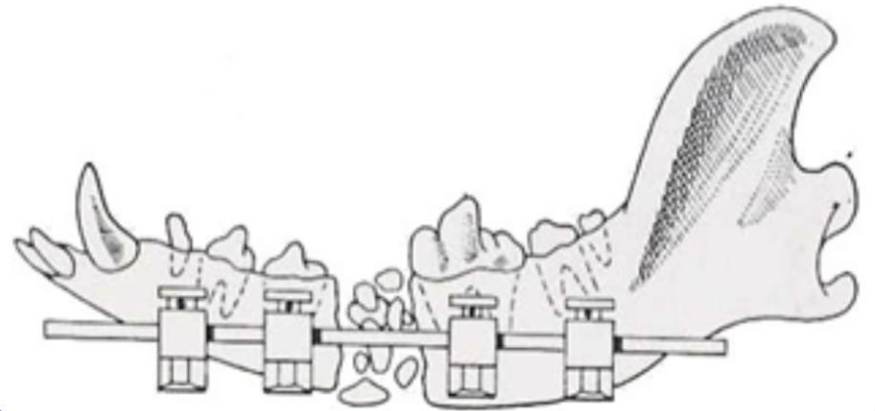
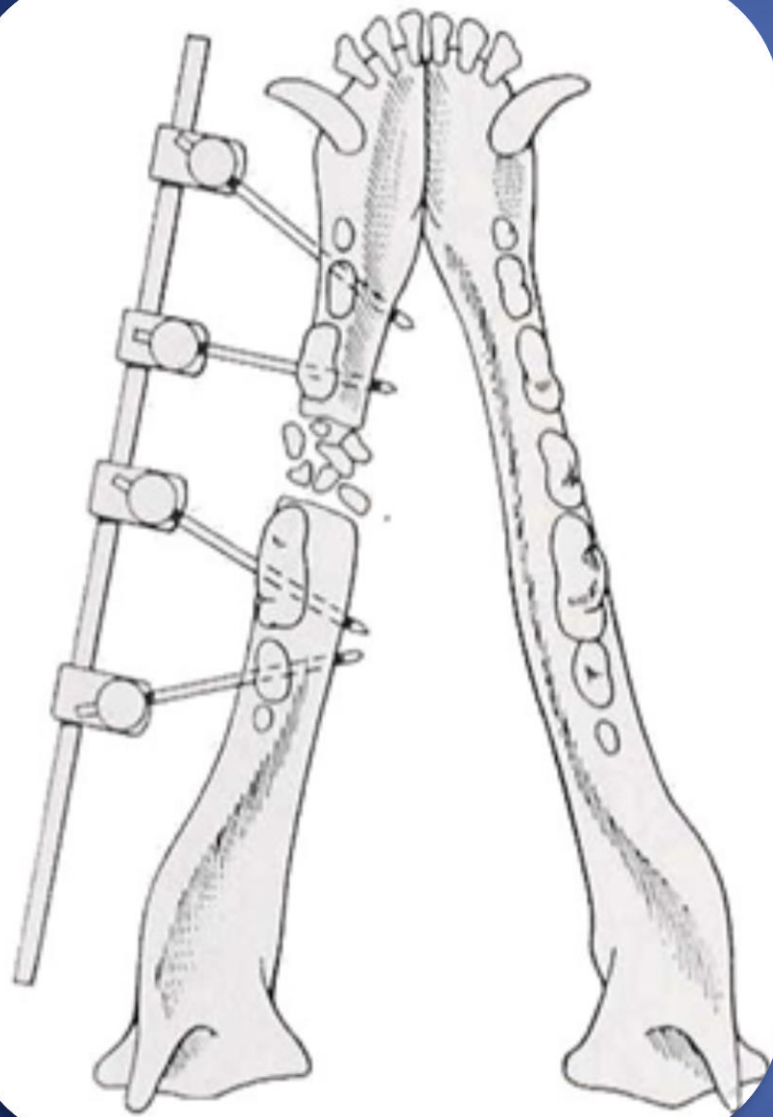




Plak Uygulaması

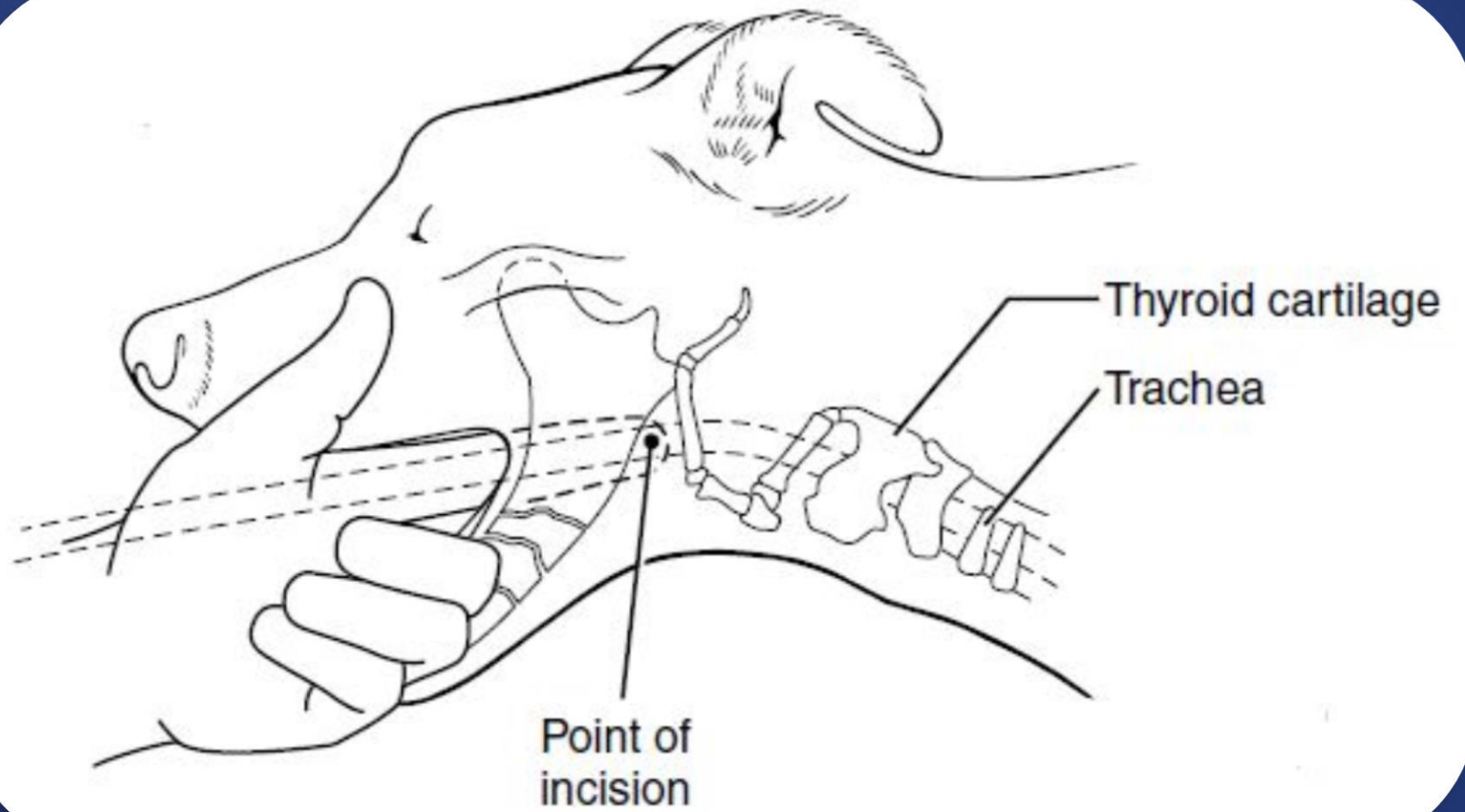


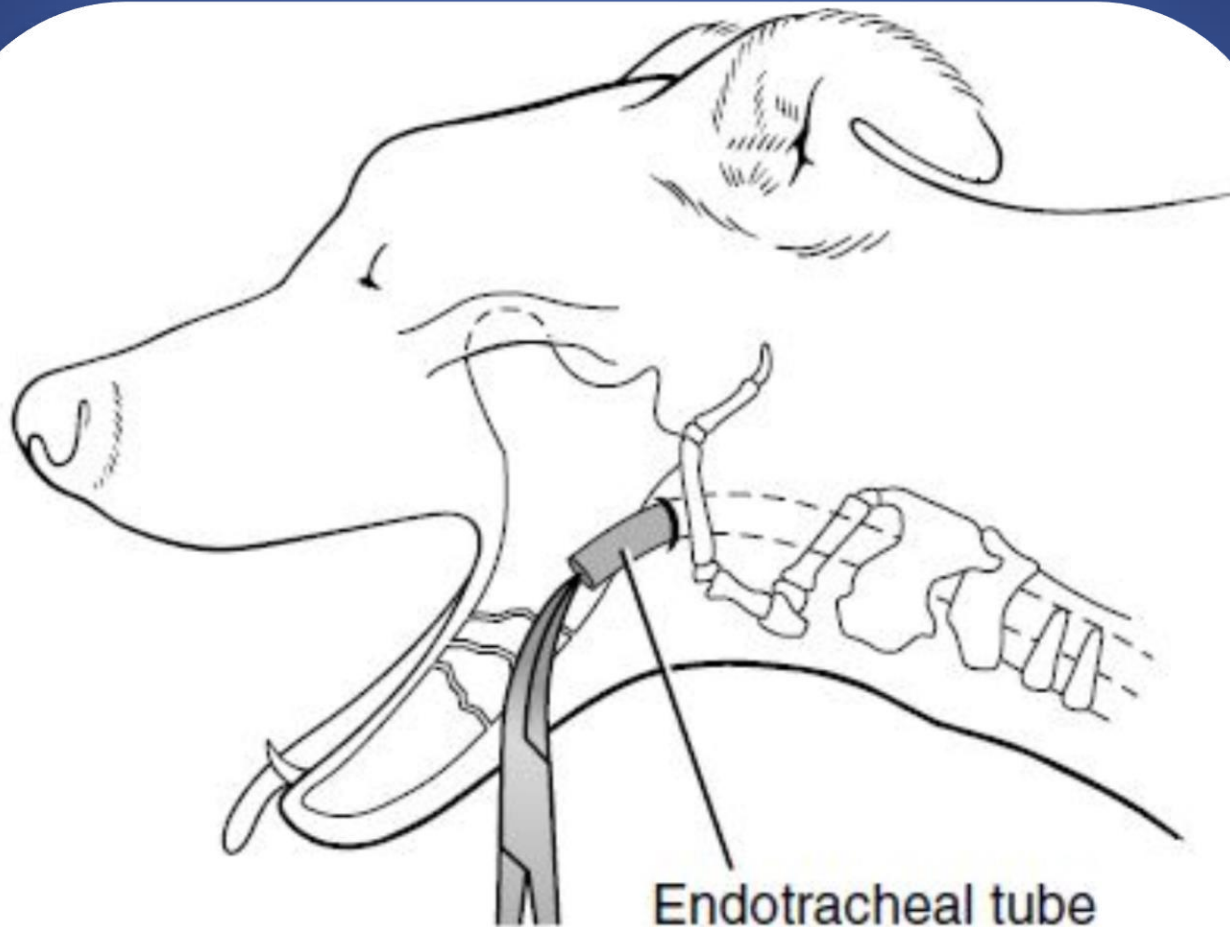




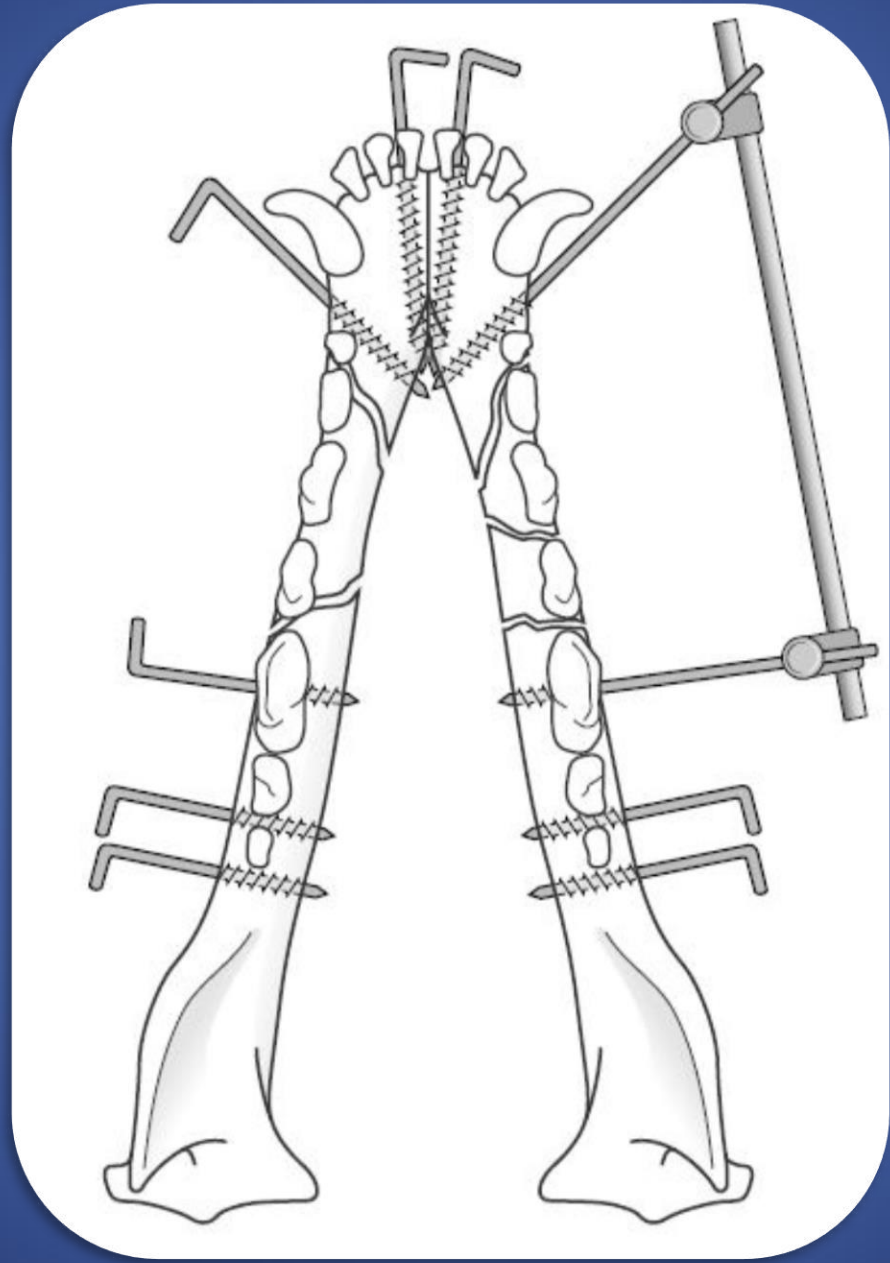
Eksternal Fiksator Uygulaması

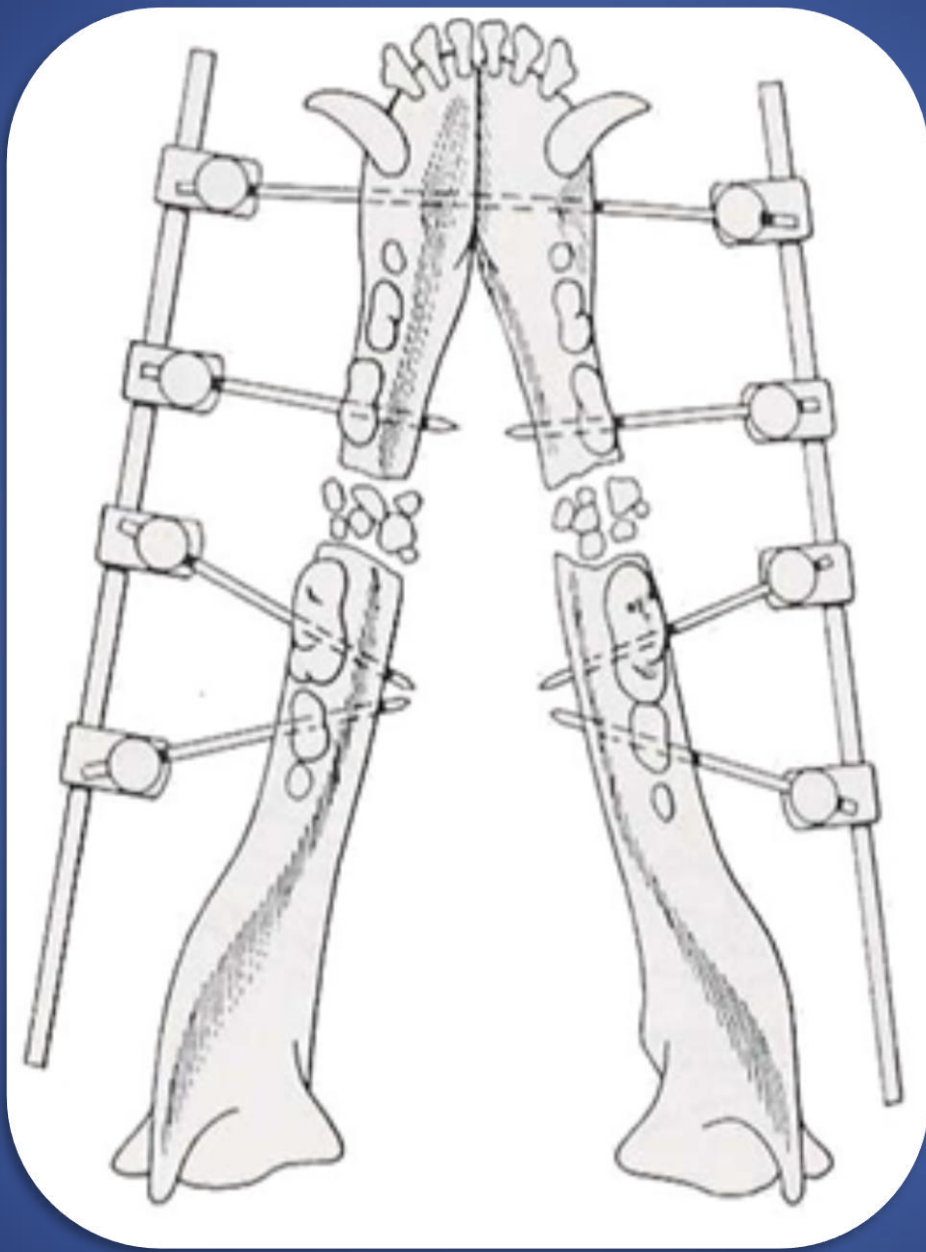


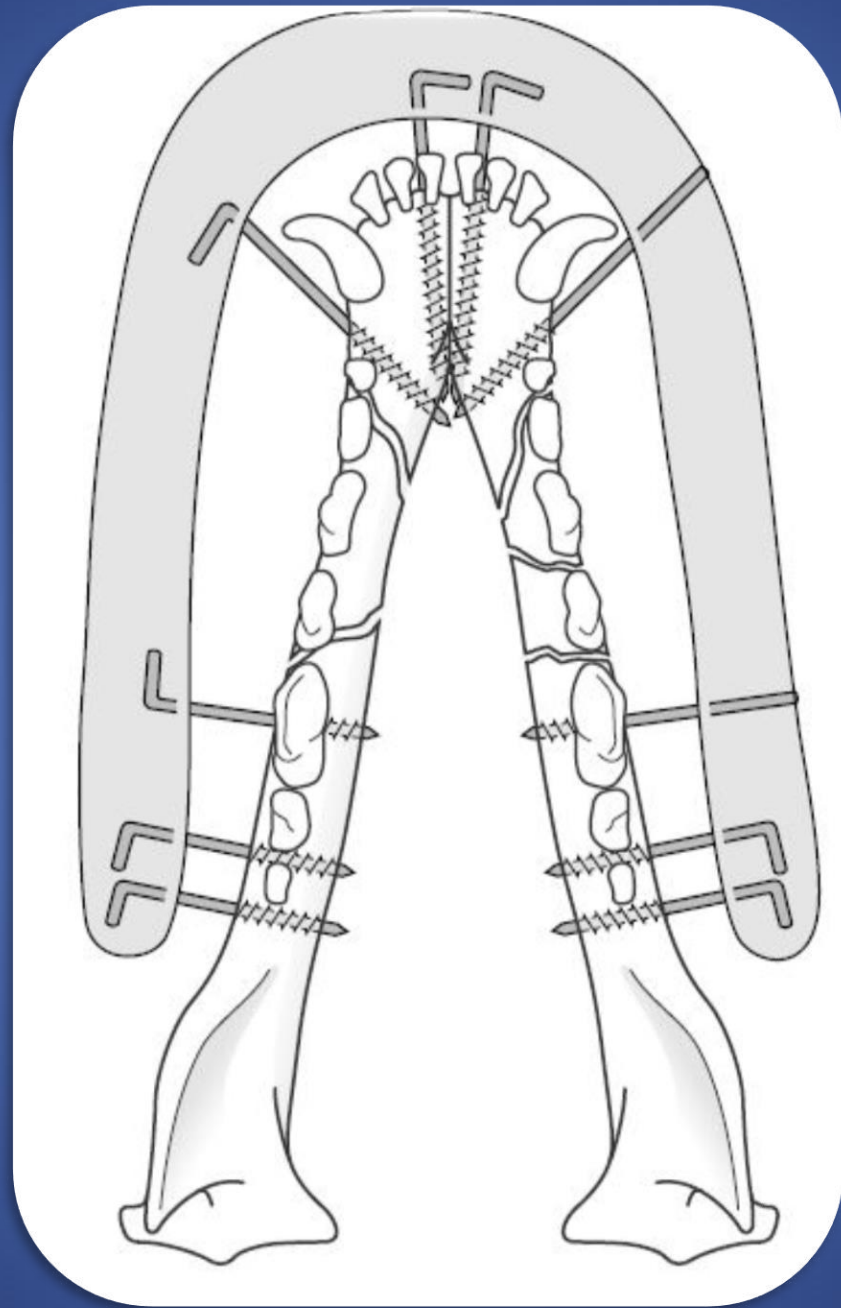


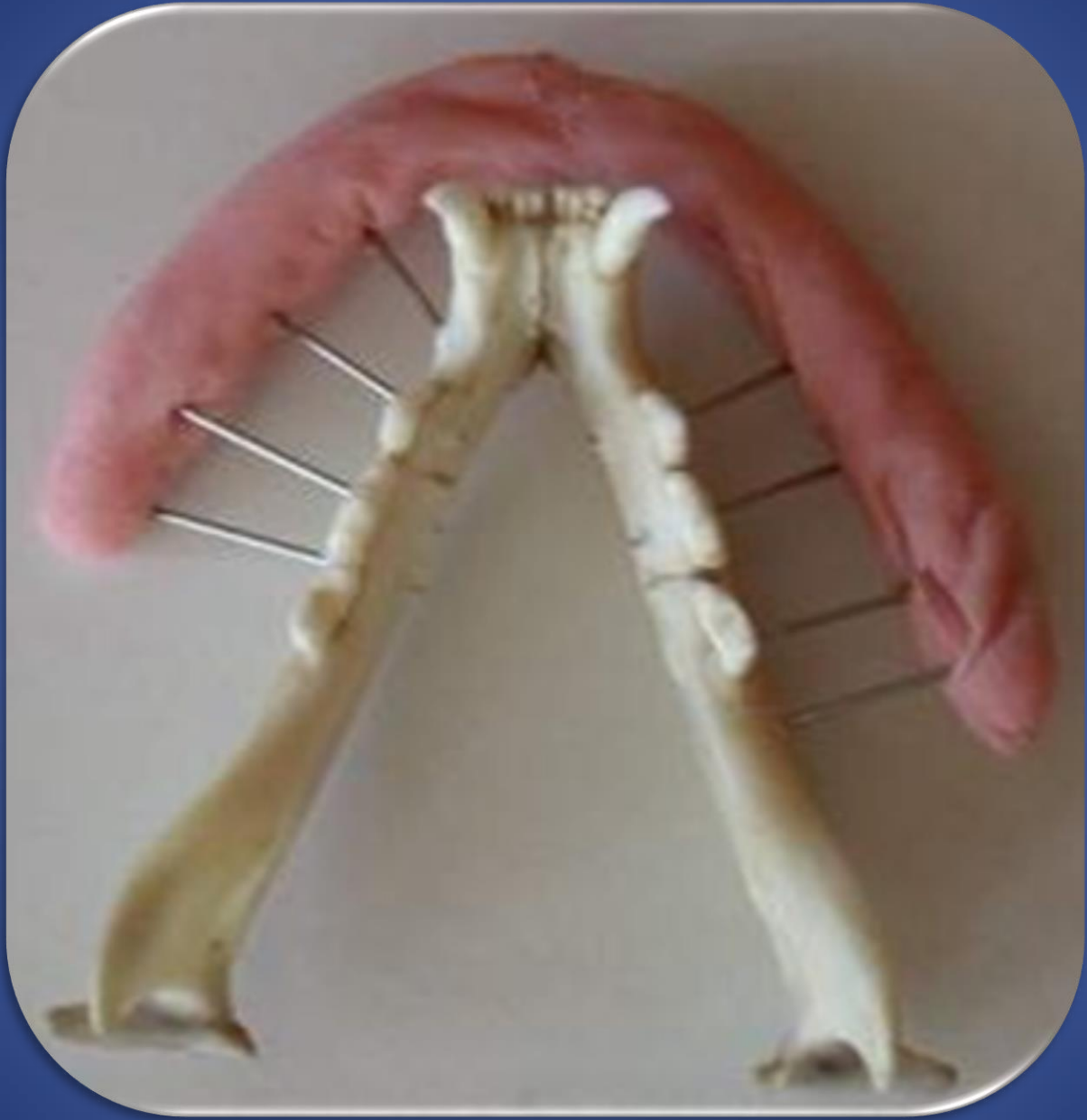


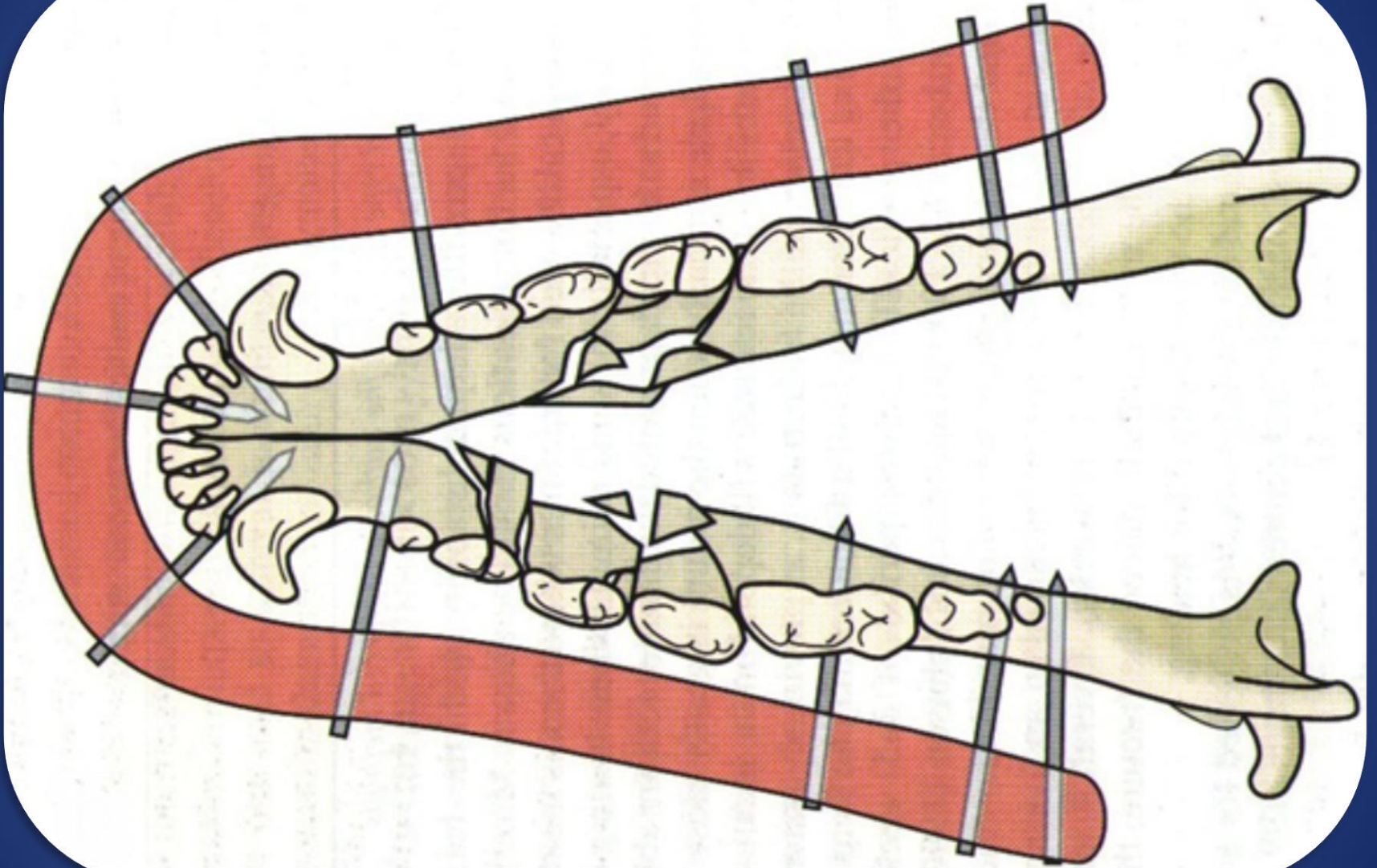
Endotracheal tube
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pharyngotomy incision

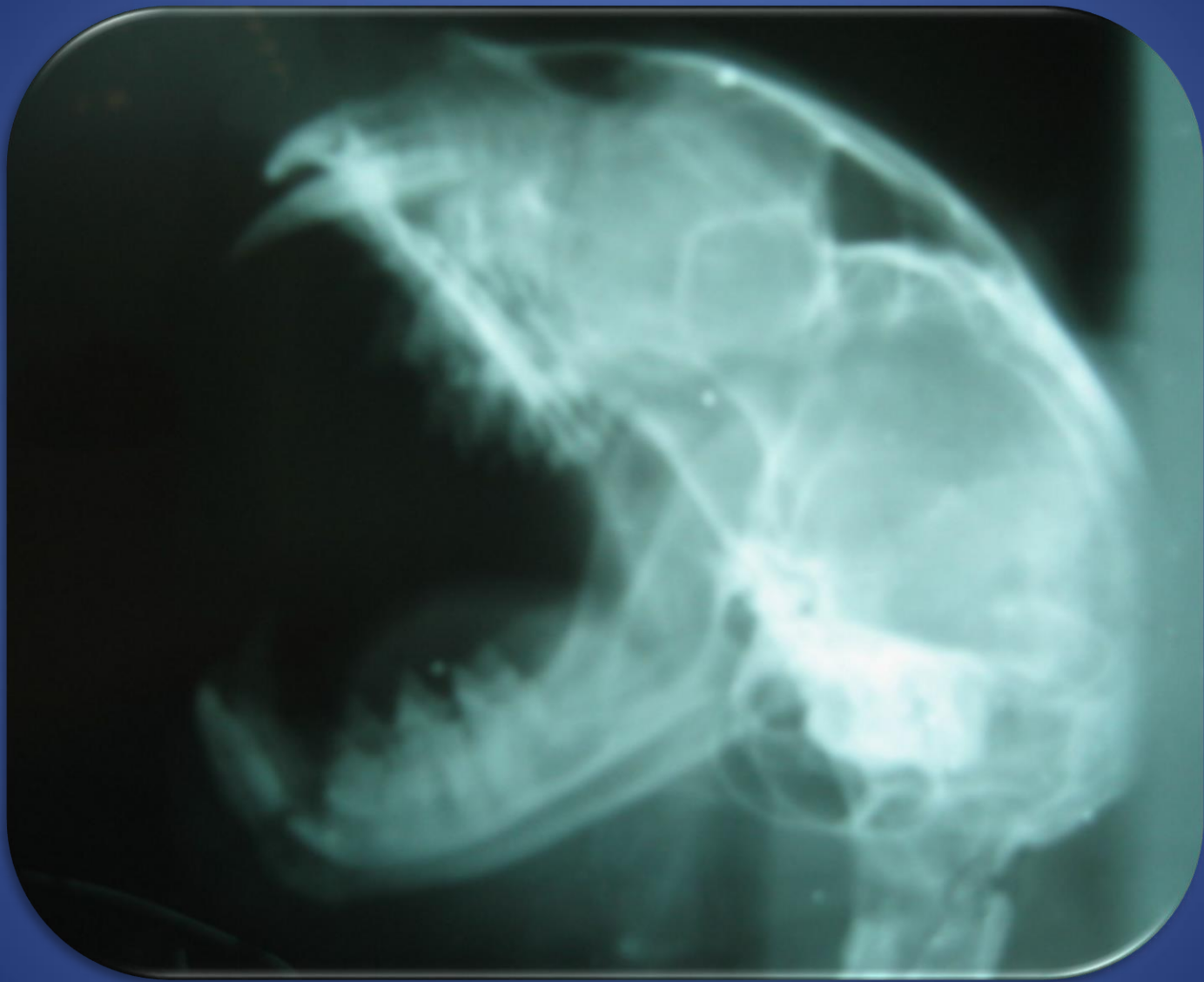


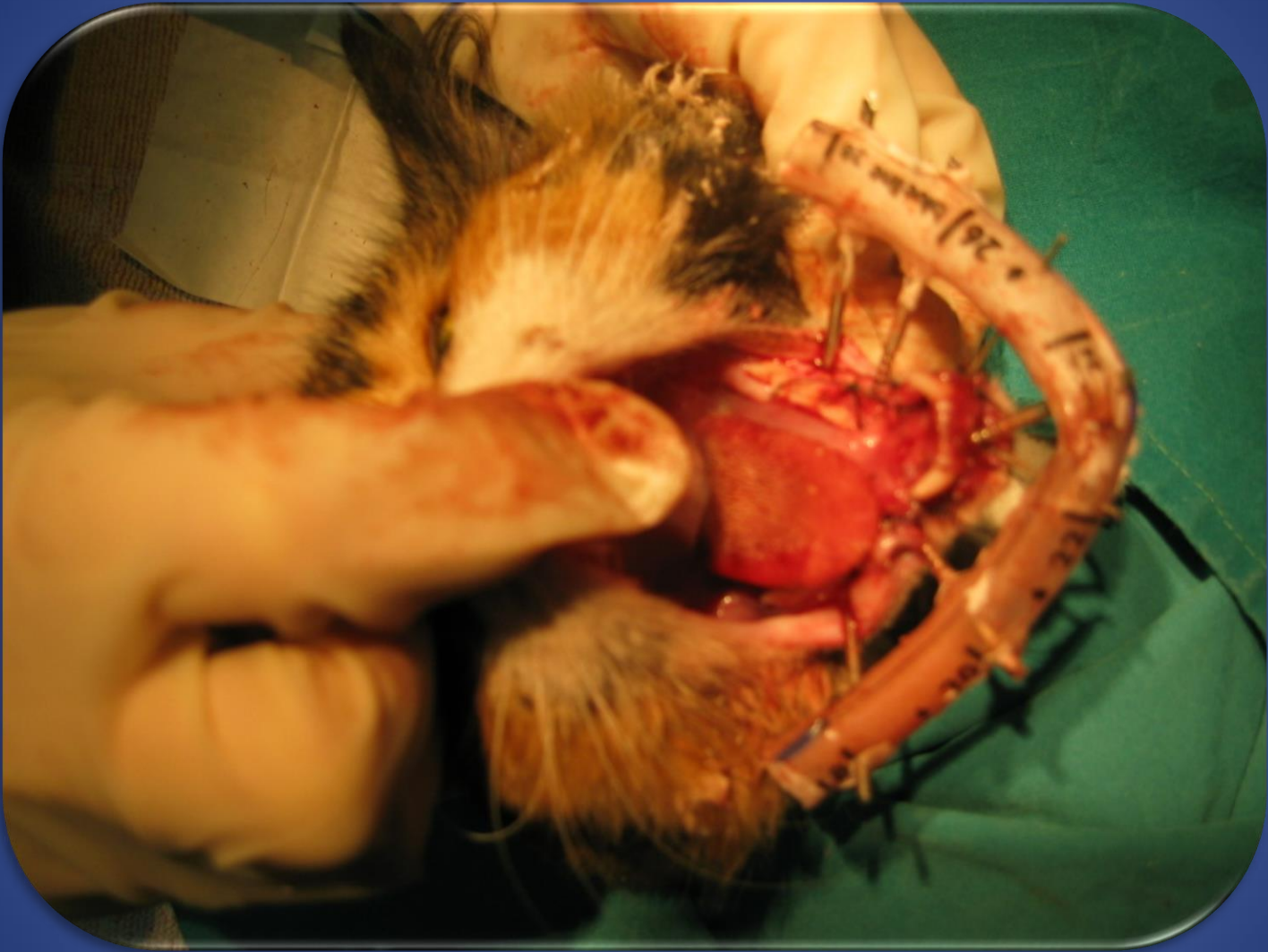






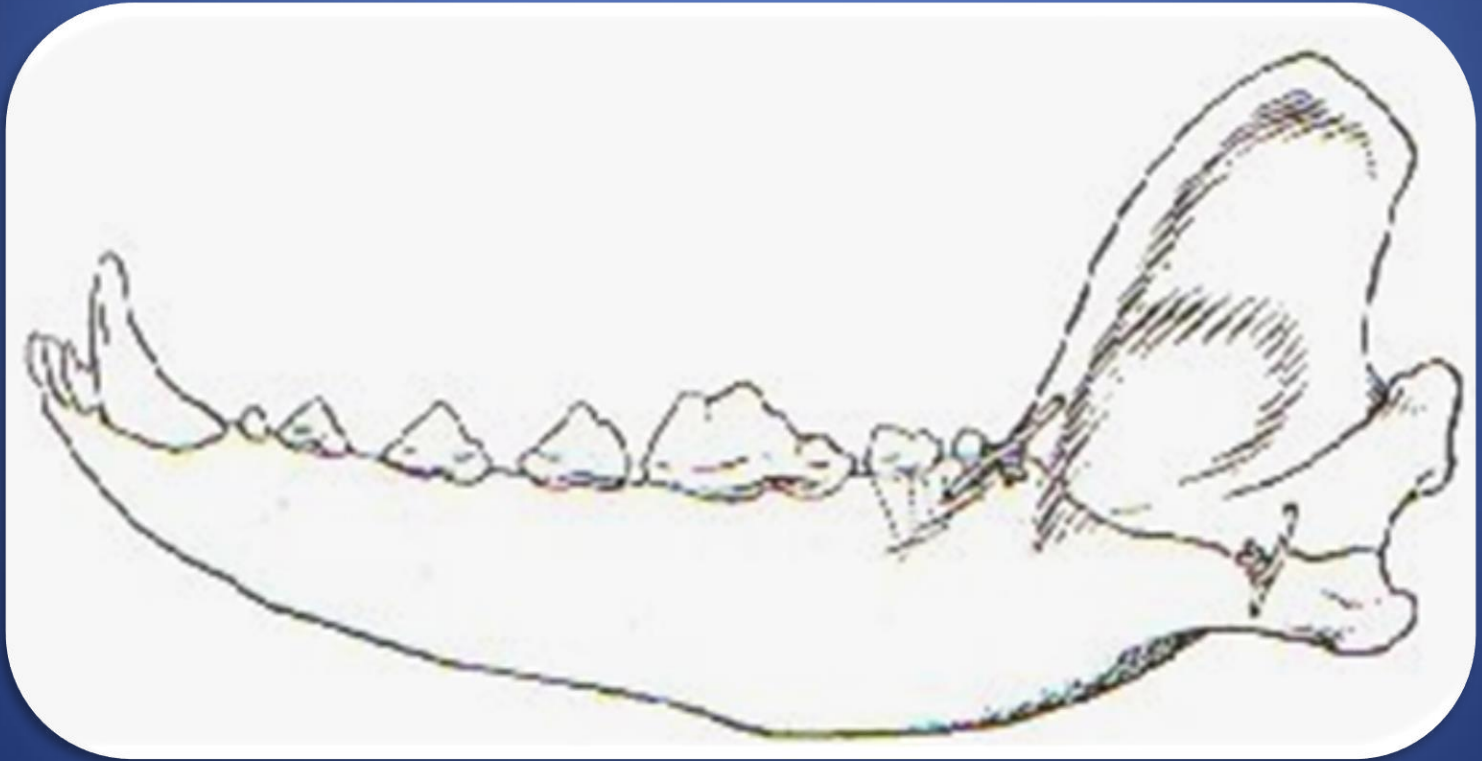


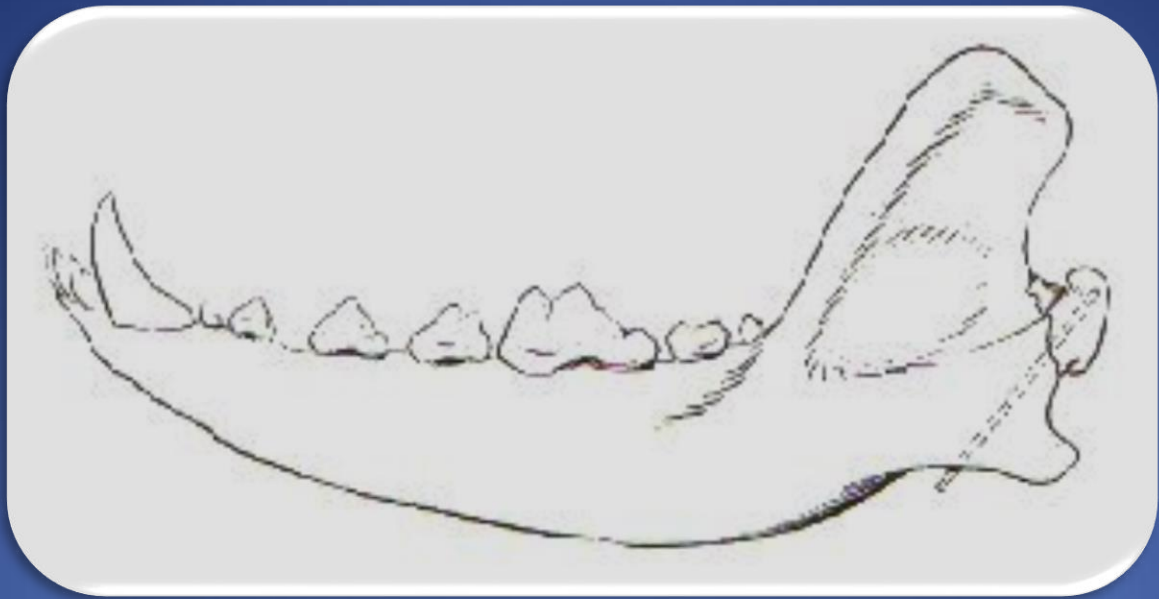


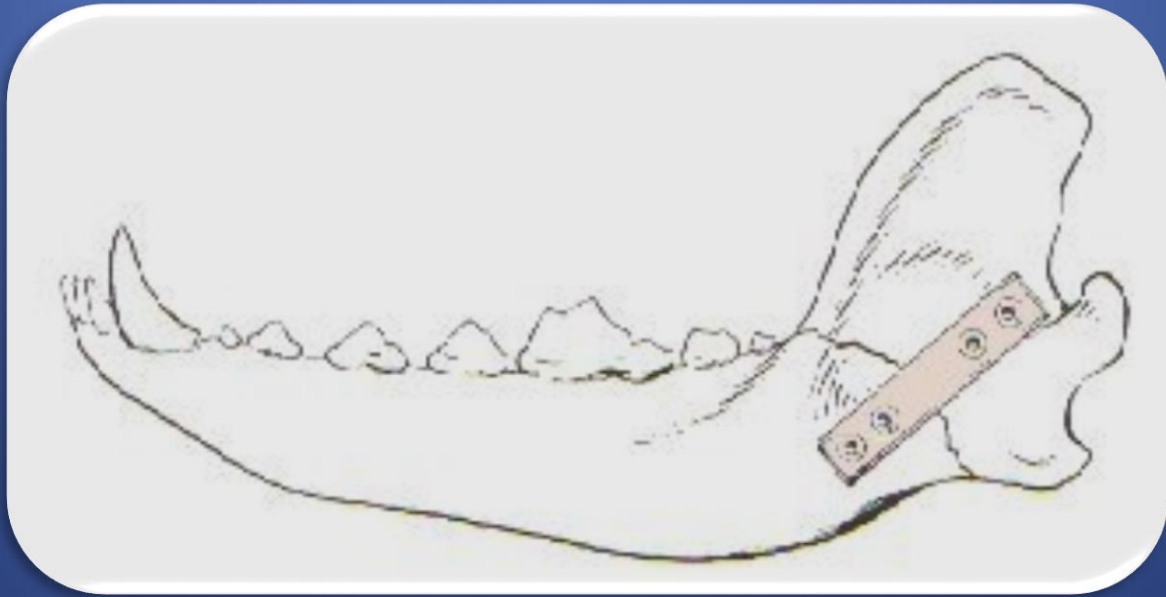
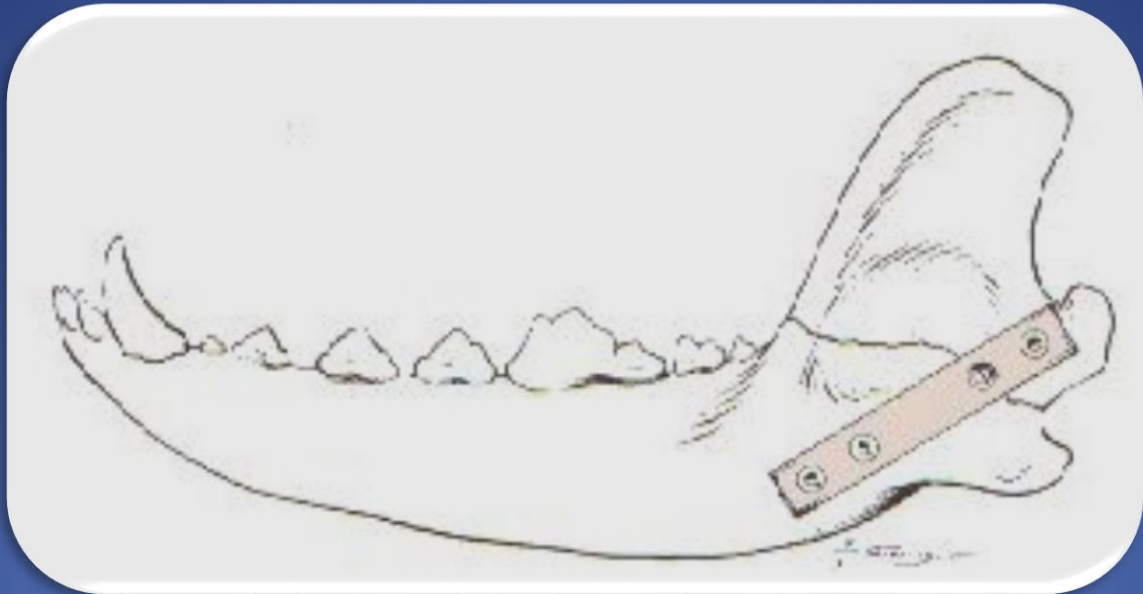




Ramus Mandibula Kırıkları

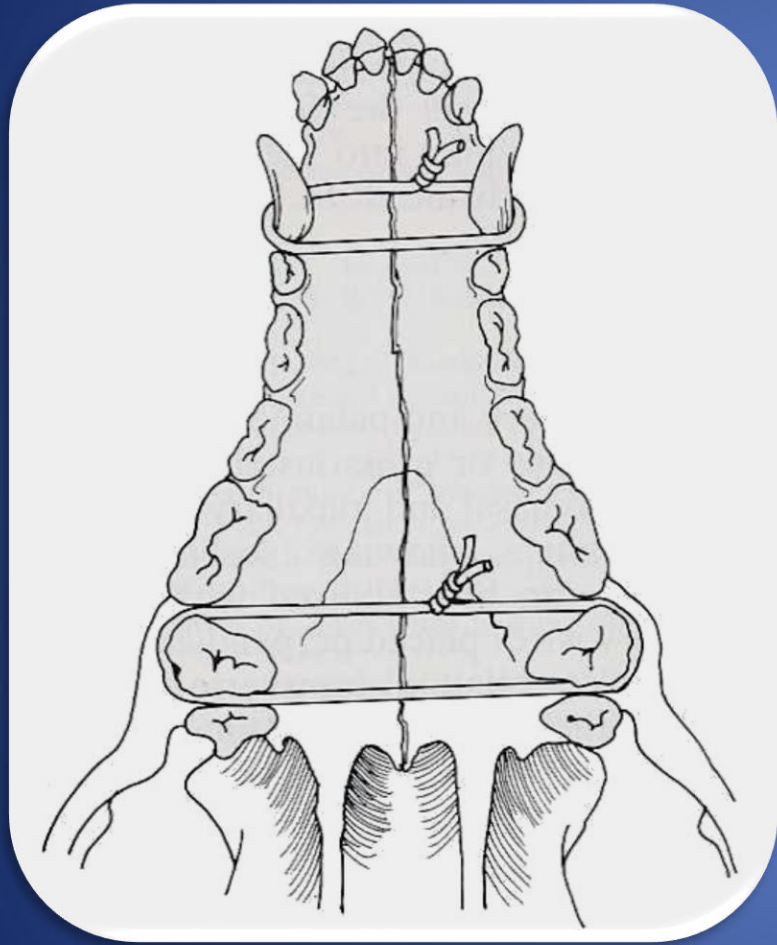


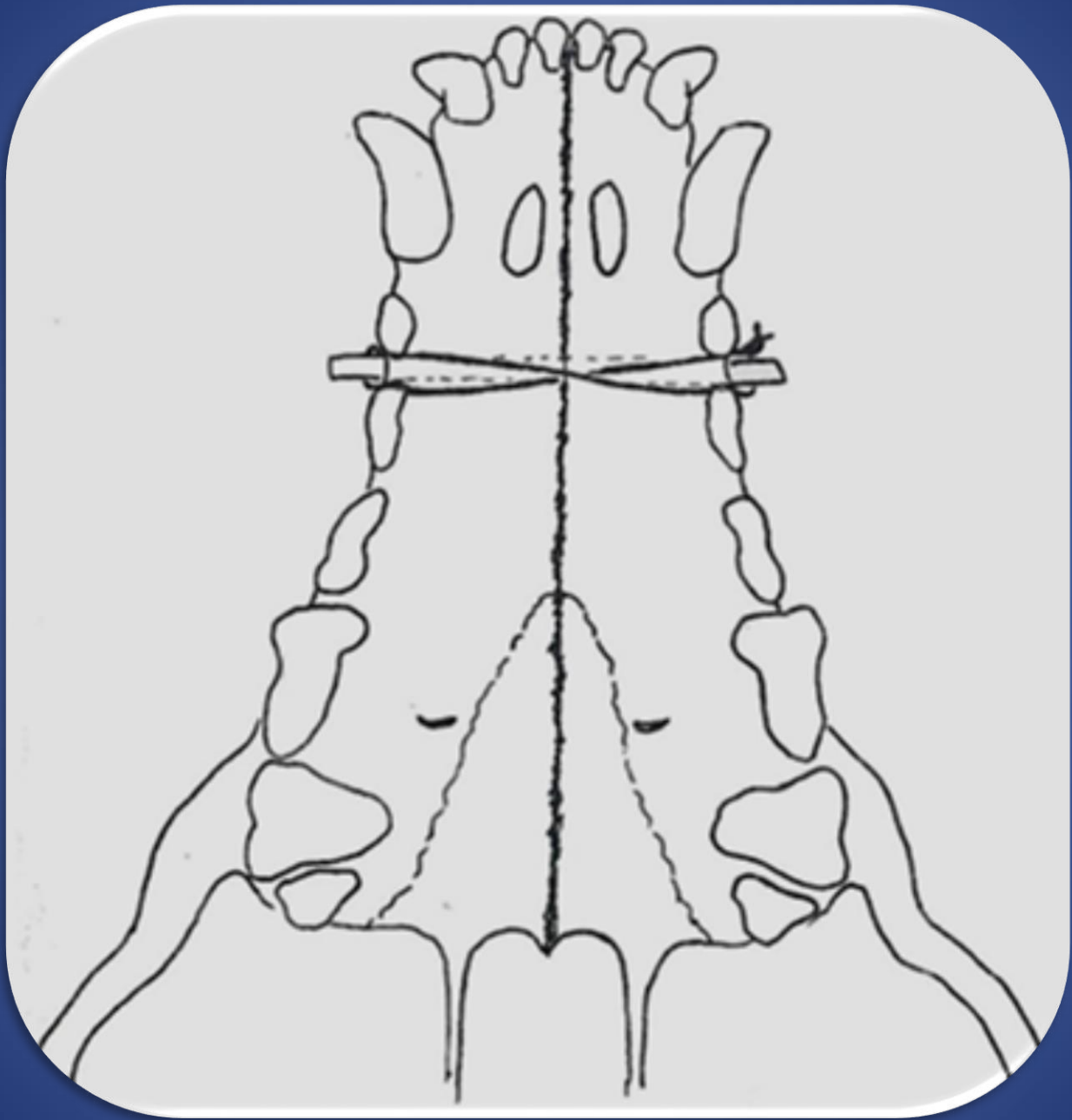


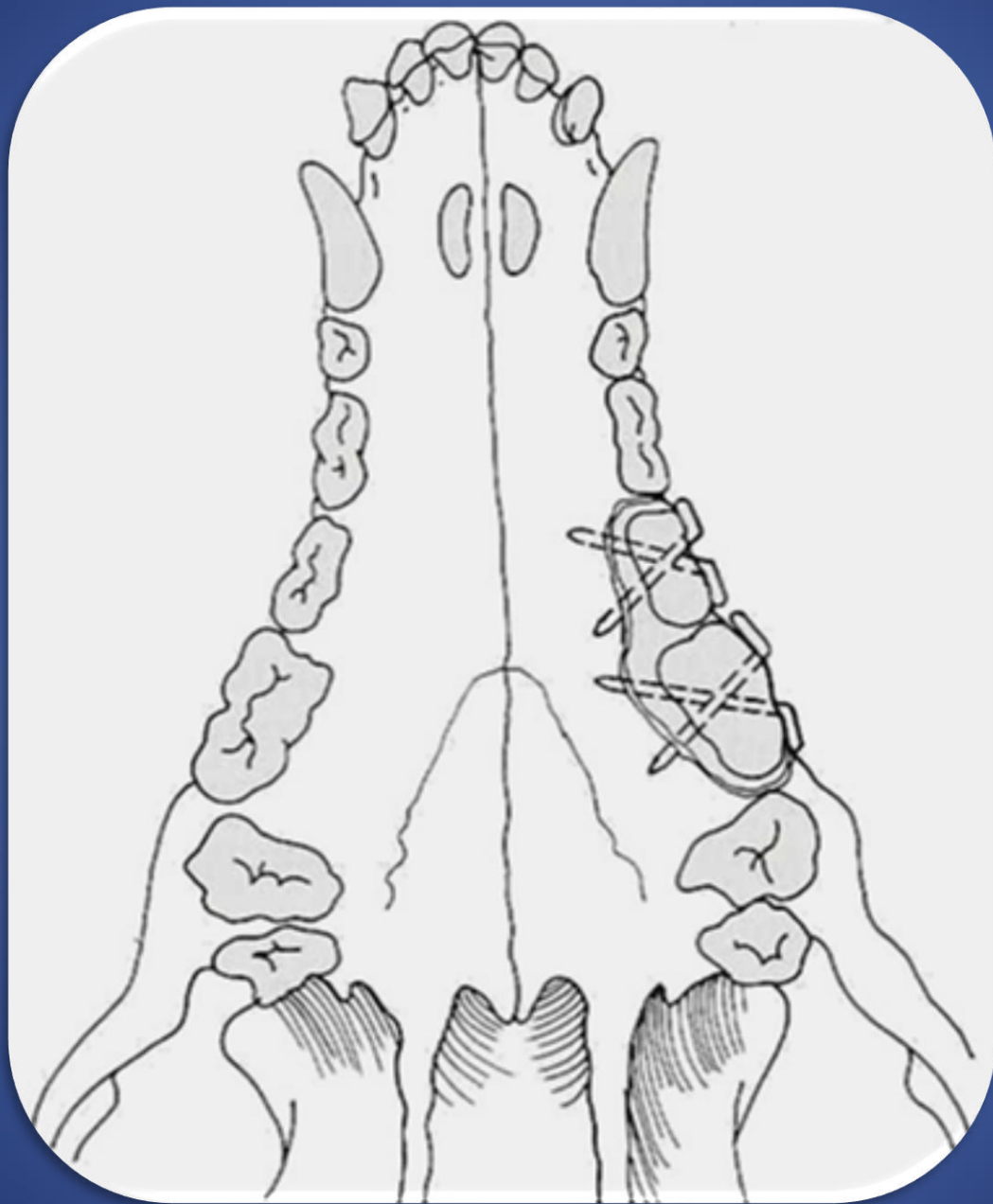


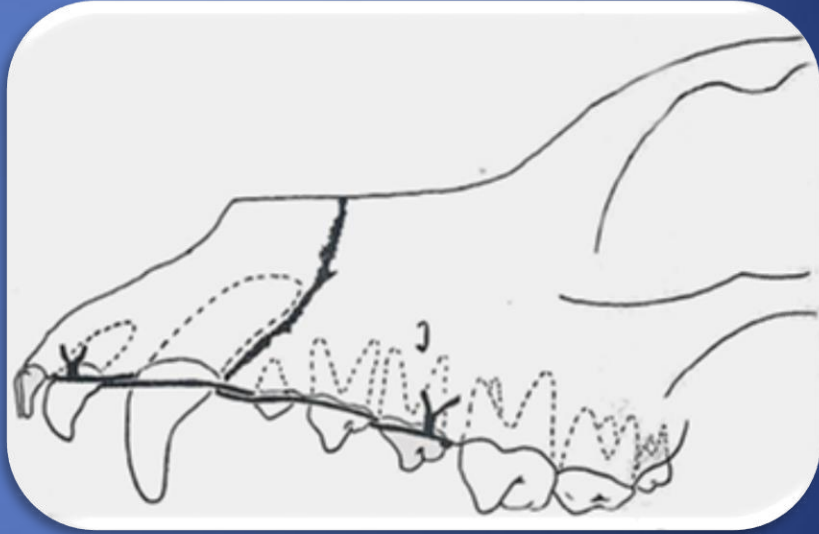
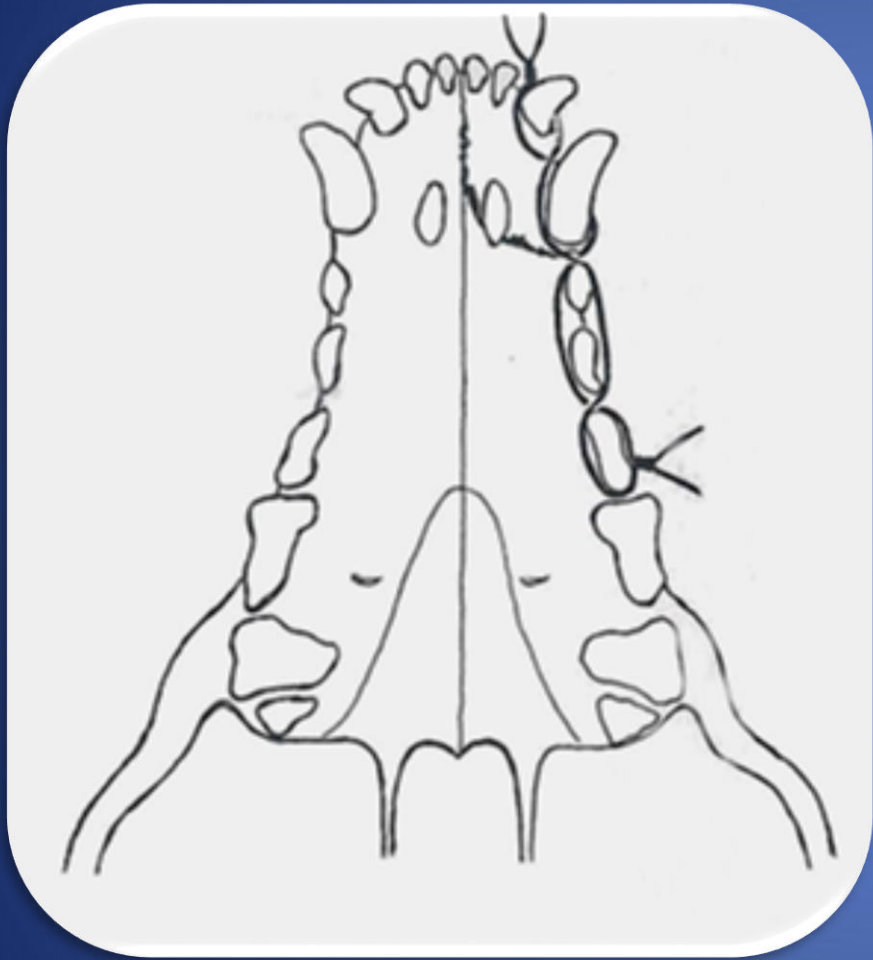
Maksilla Kırıkları

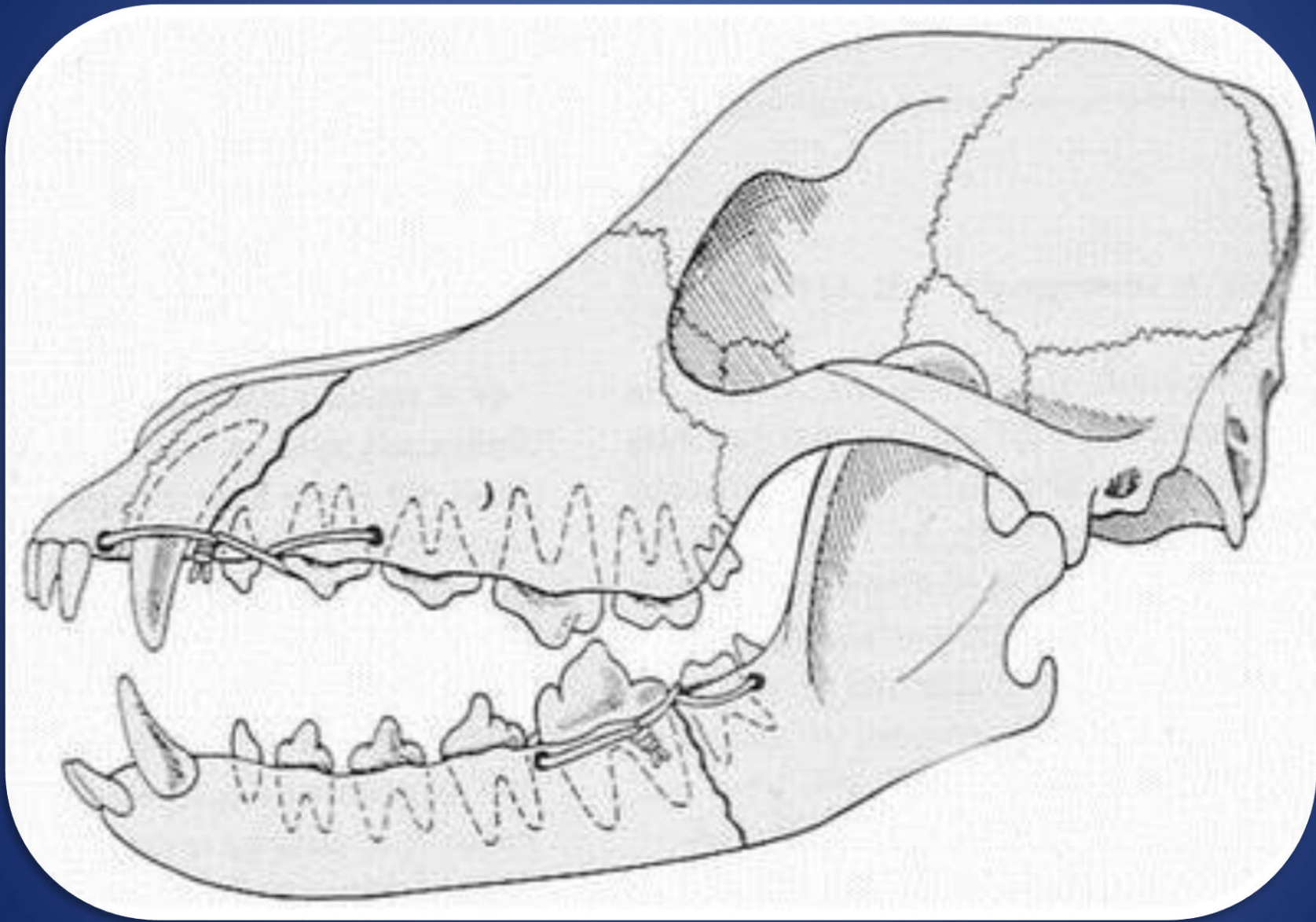




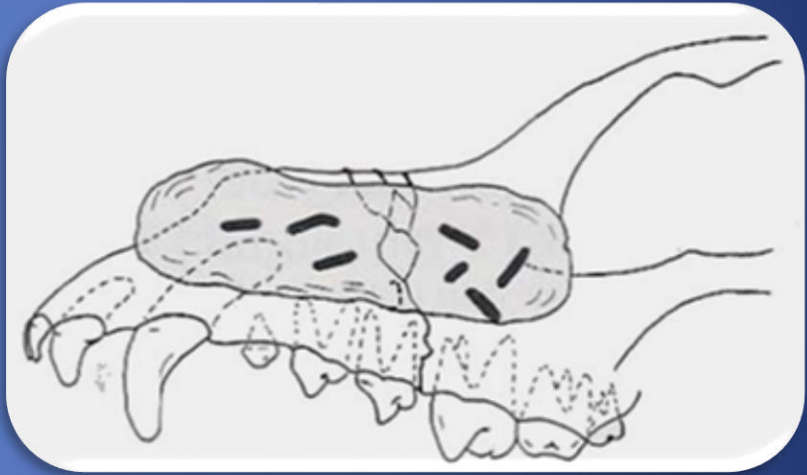
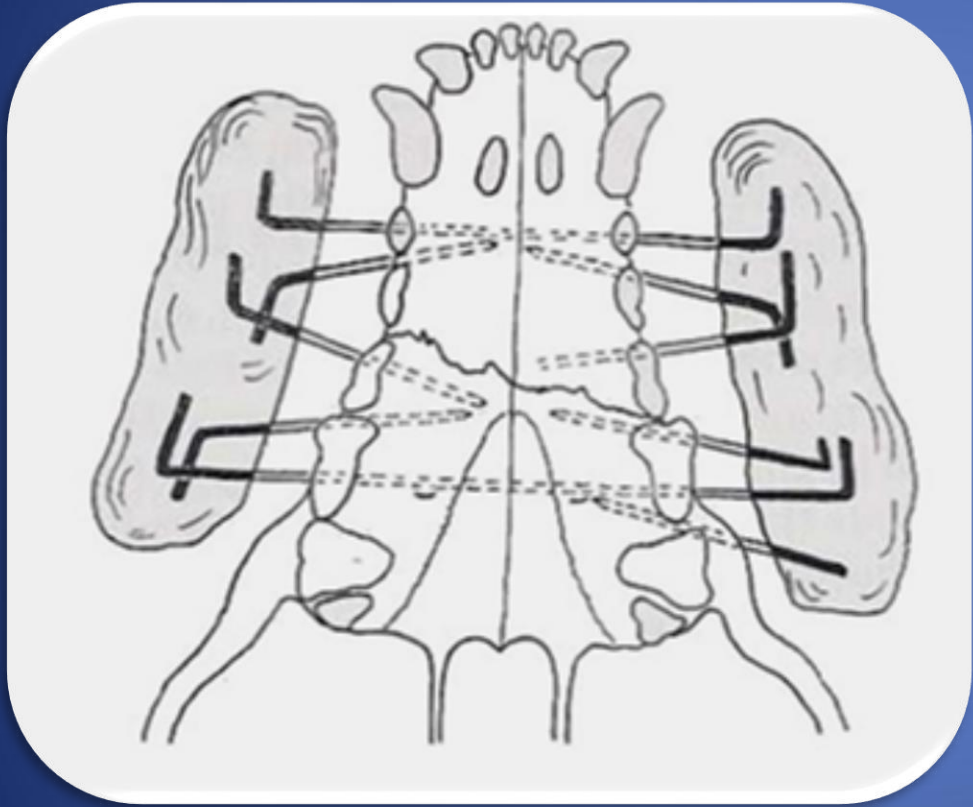


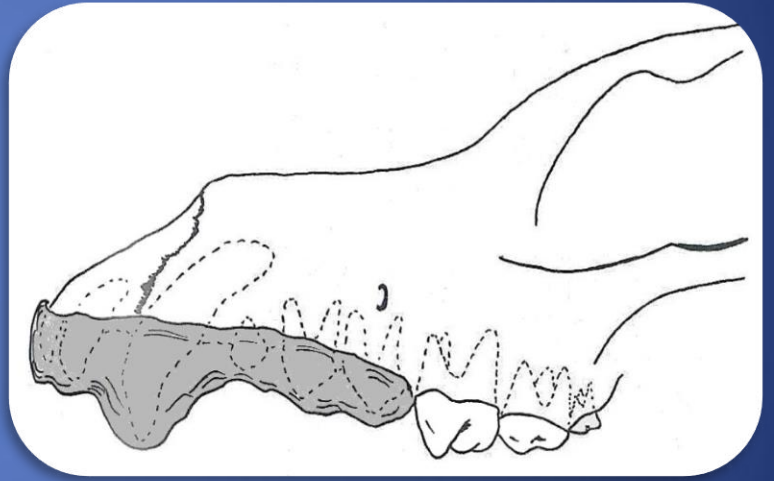






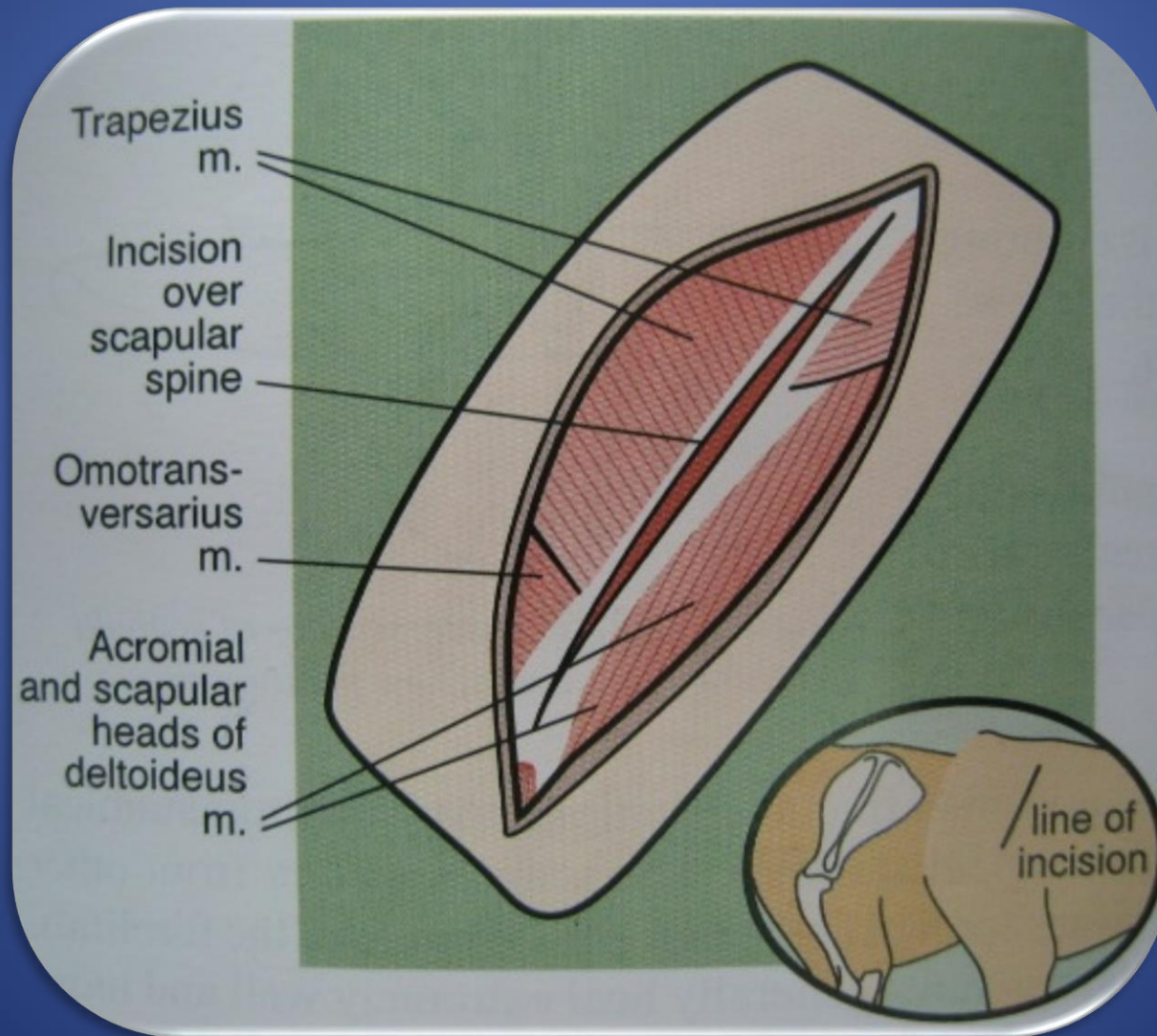


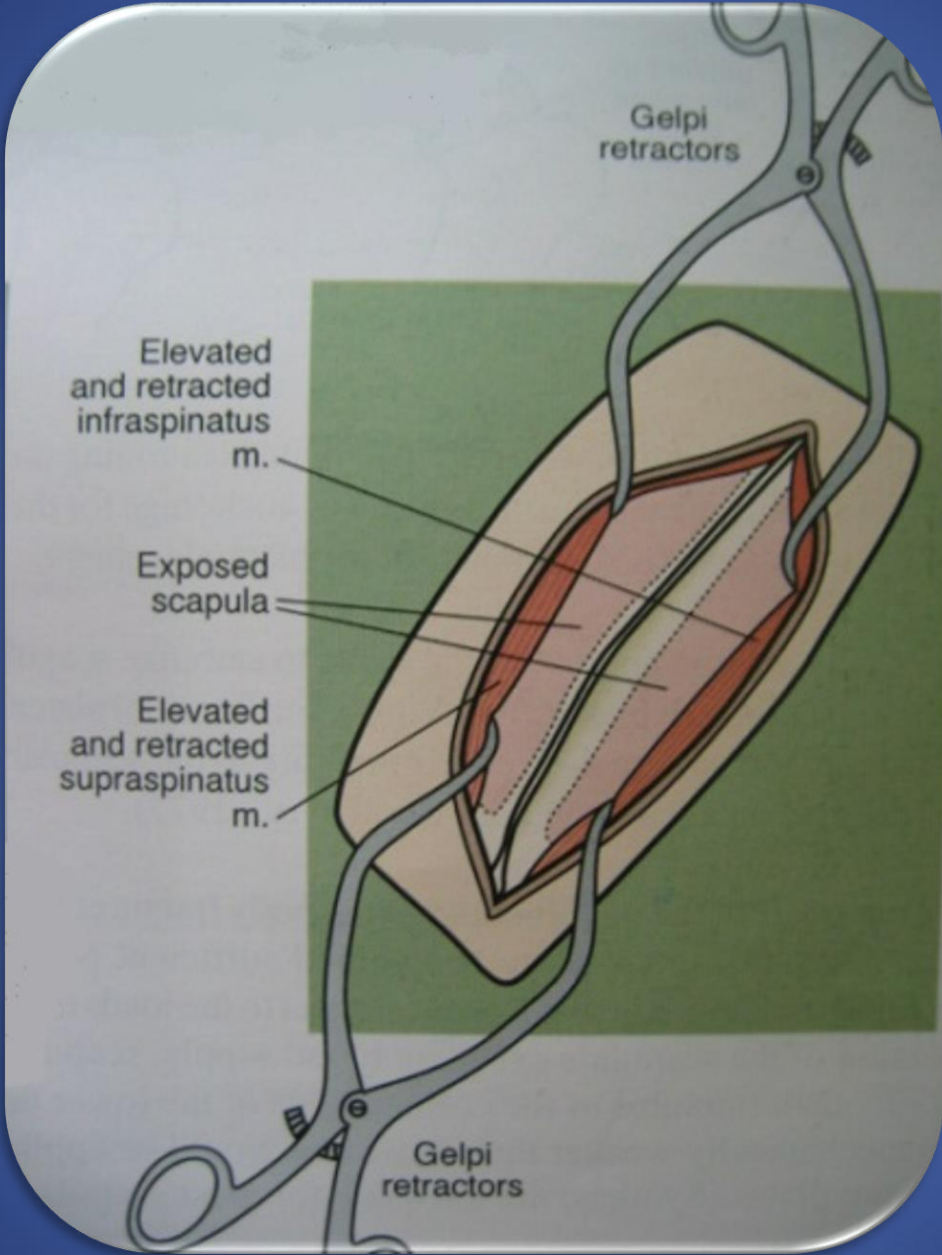


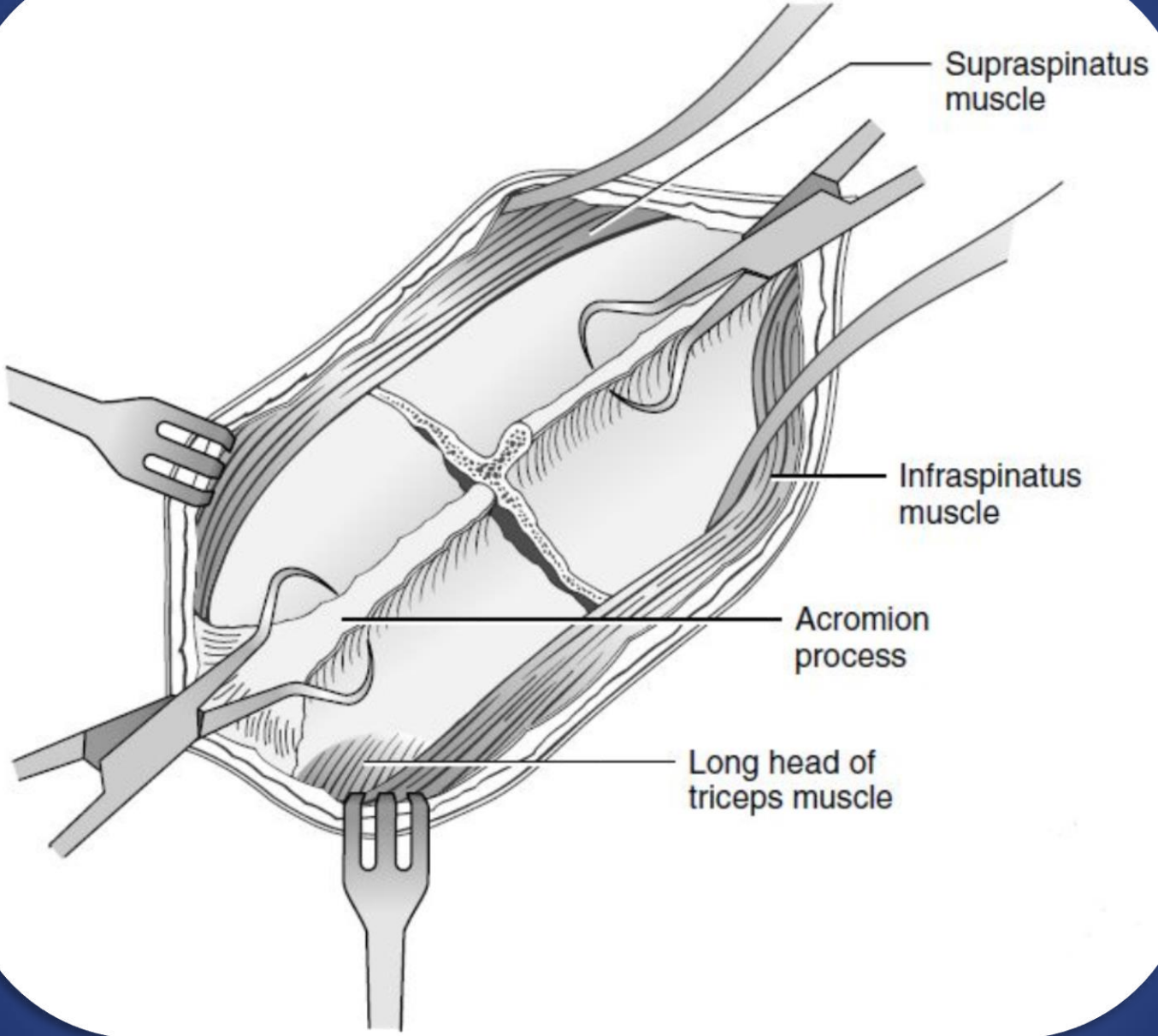


Scapula

Transversal Scapular Gövde Kırıkları





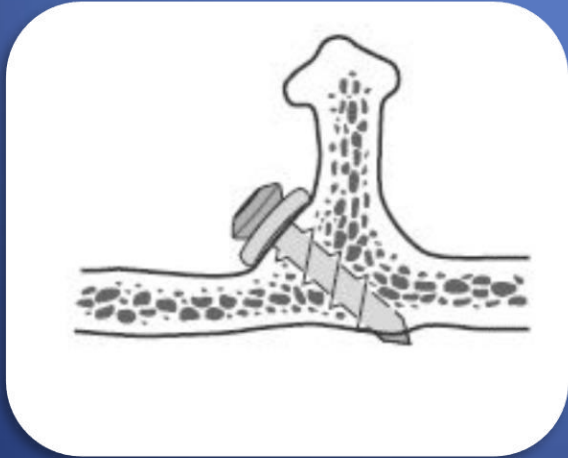
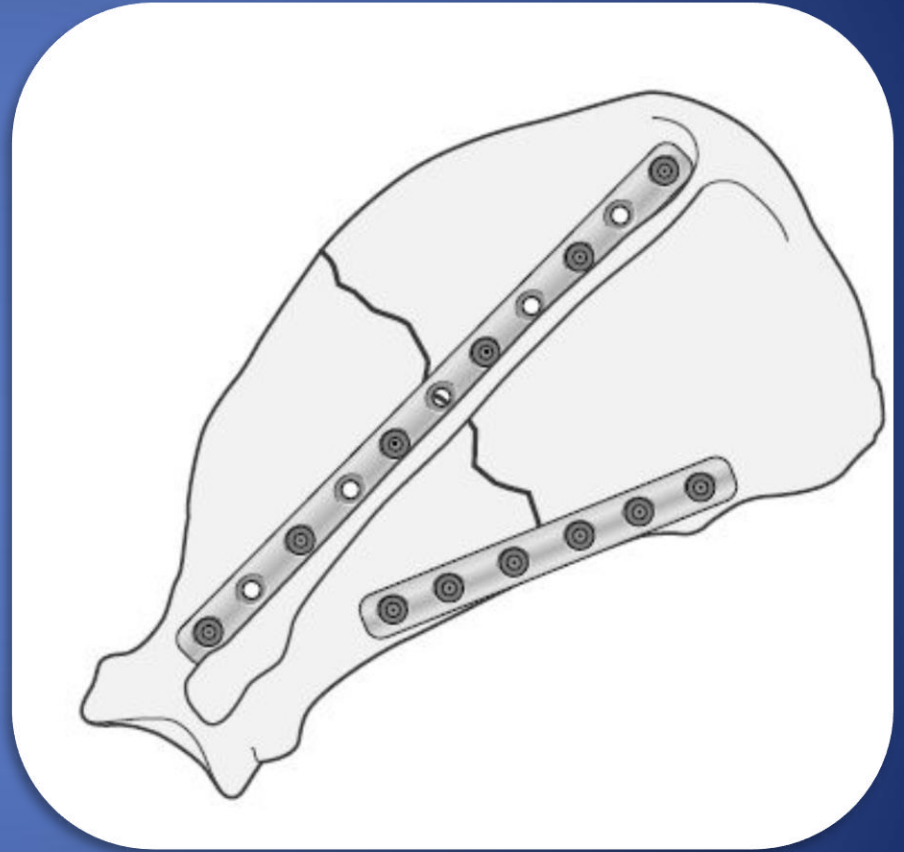
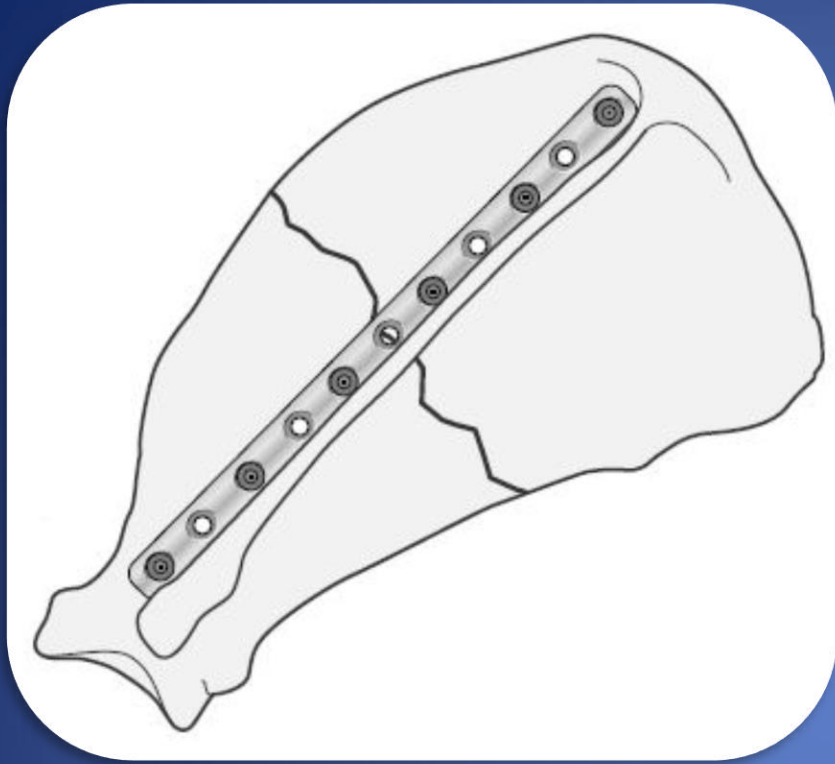


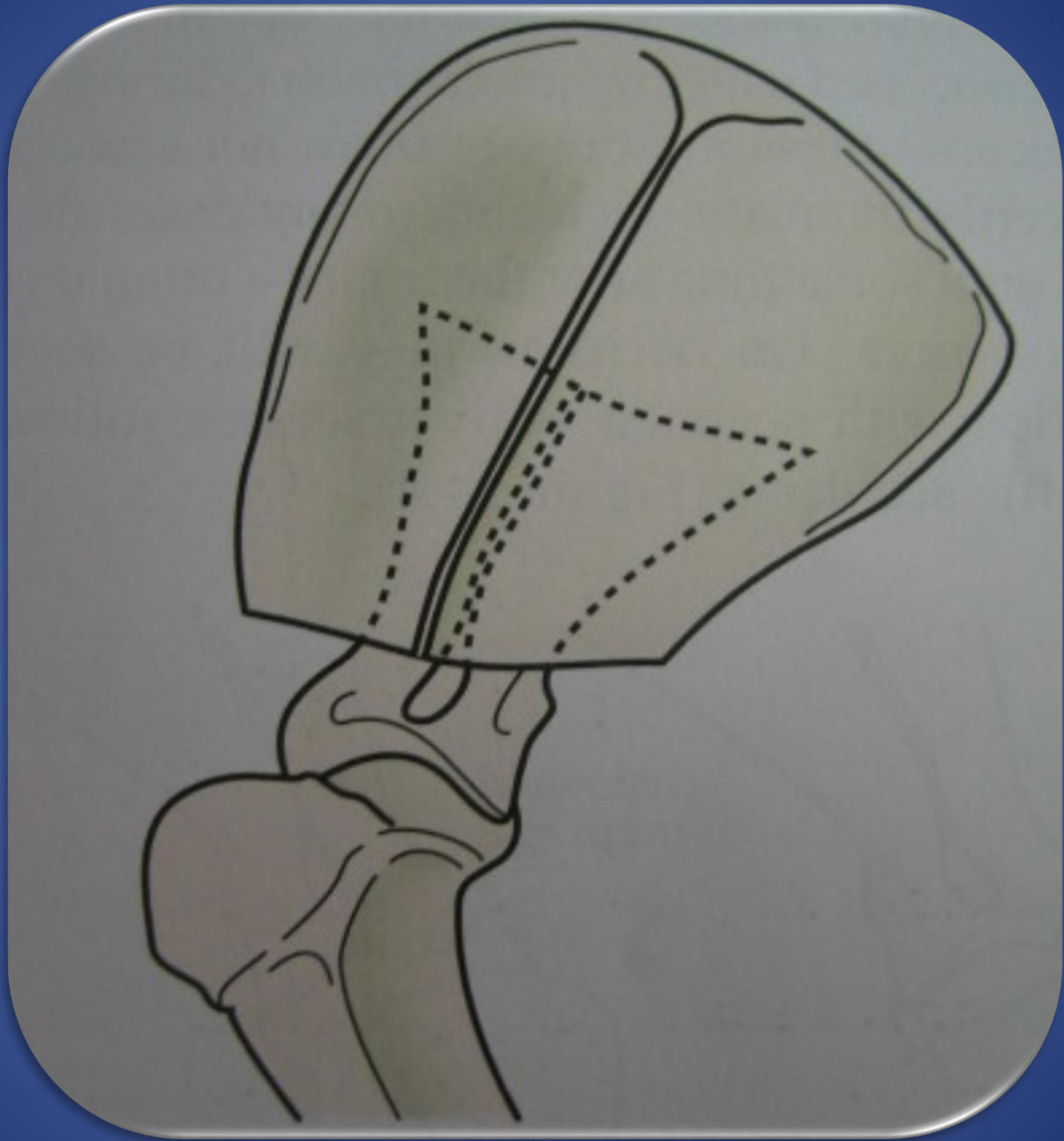
Supraspinatus muscle

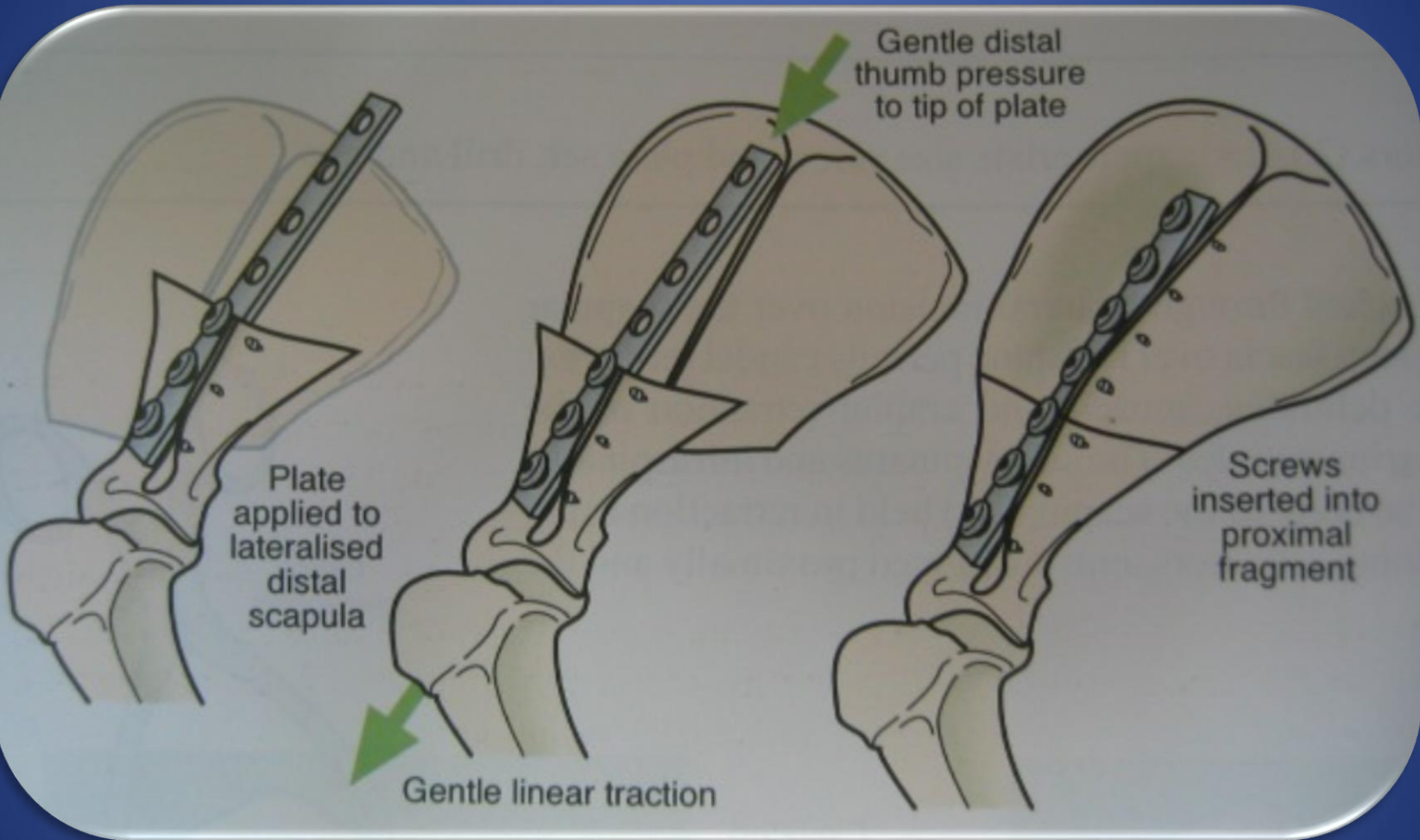
Infraspinatus muscle

Acromion process

Long head of triceps muscle

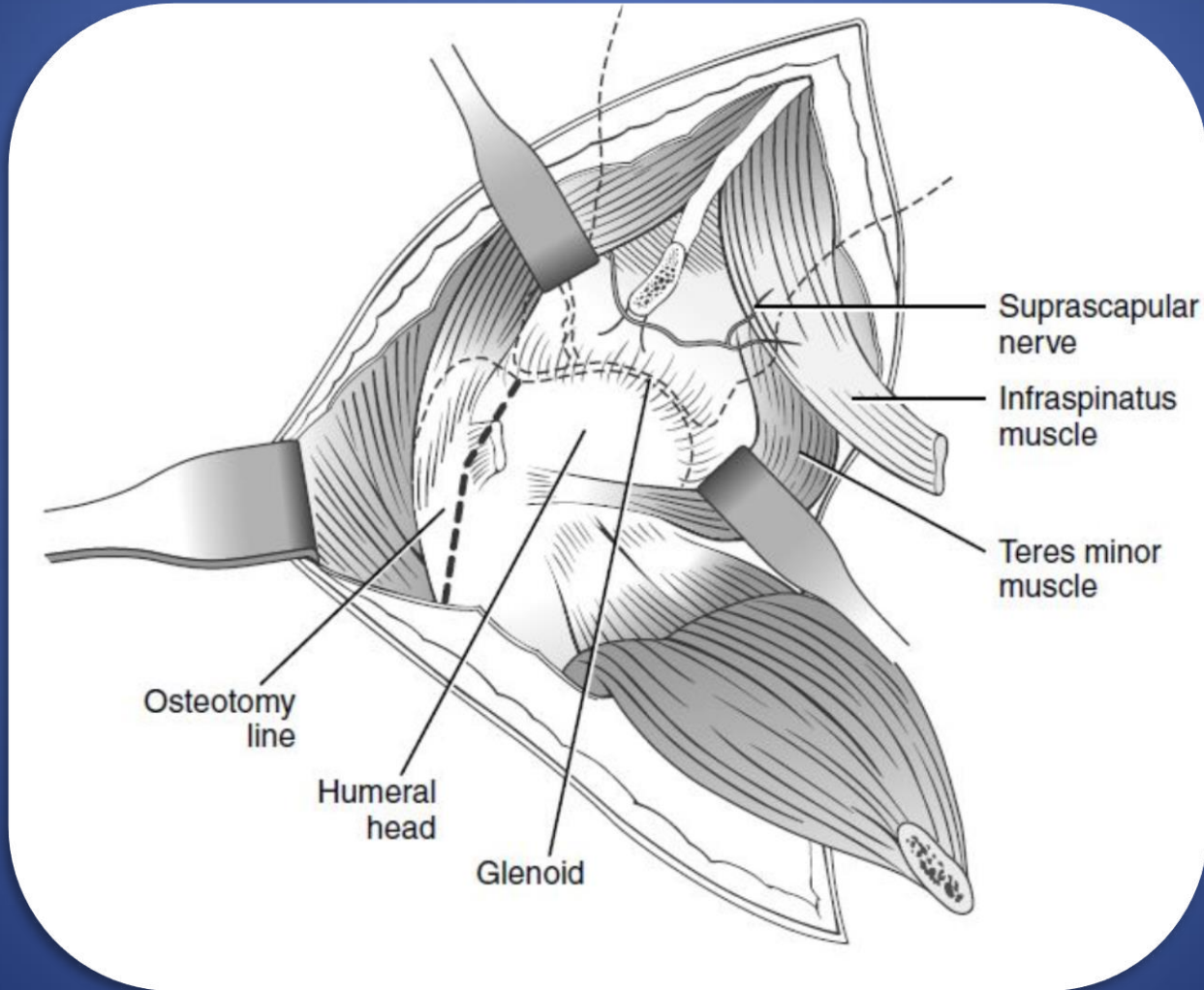


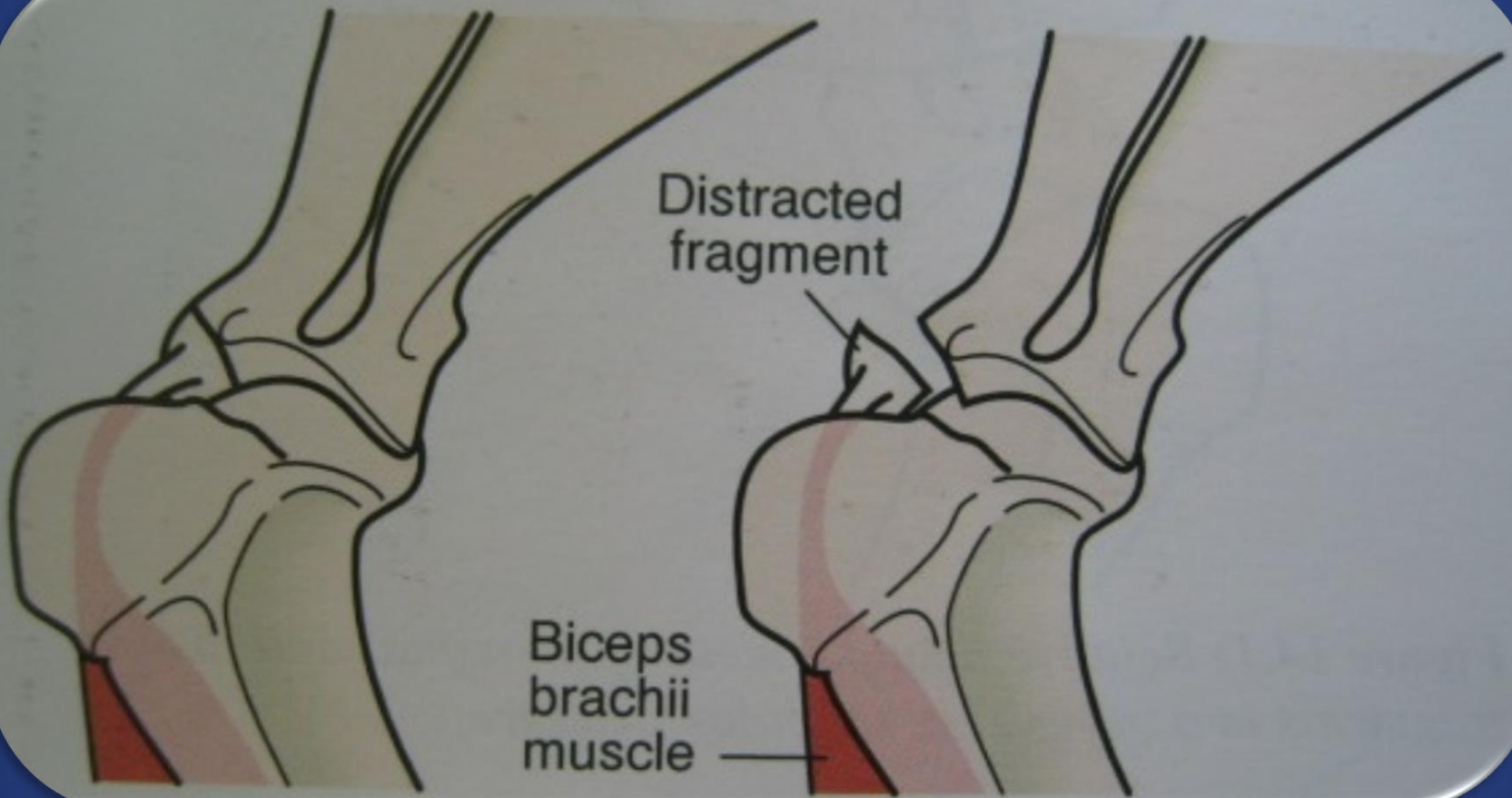






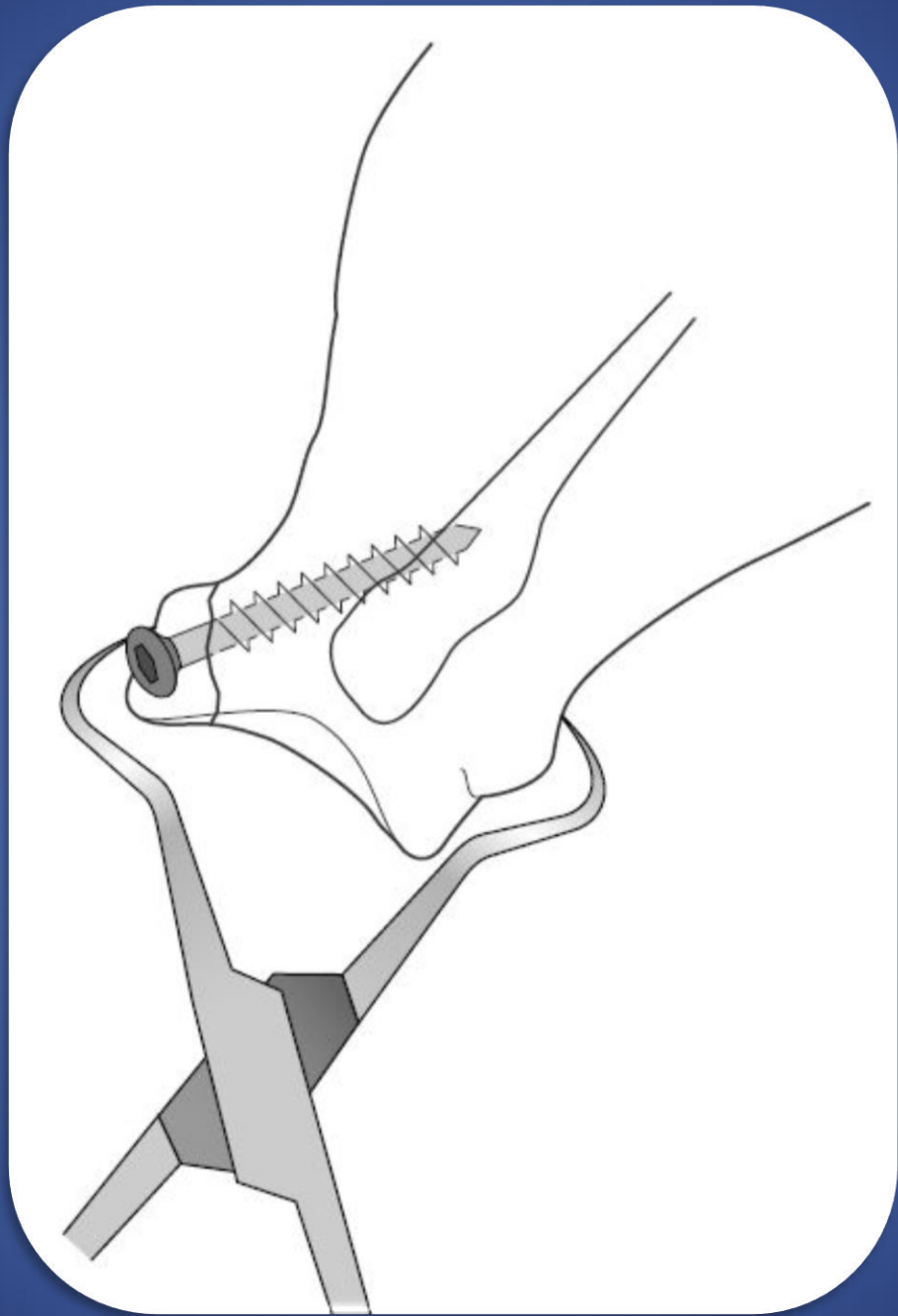
Supraglenoid Çıkıntının Kırıkları





Distracted
fragment

Biceps
brachii
muscle

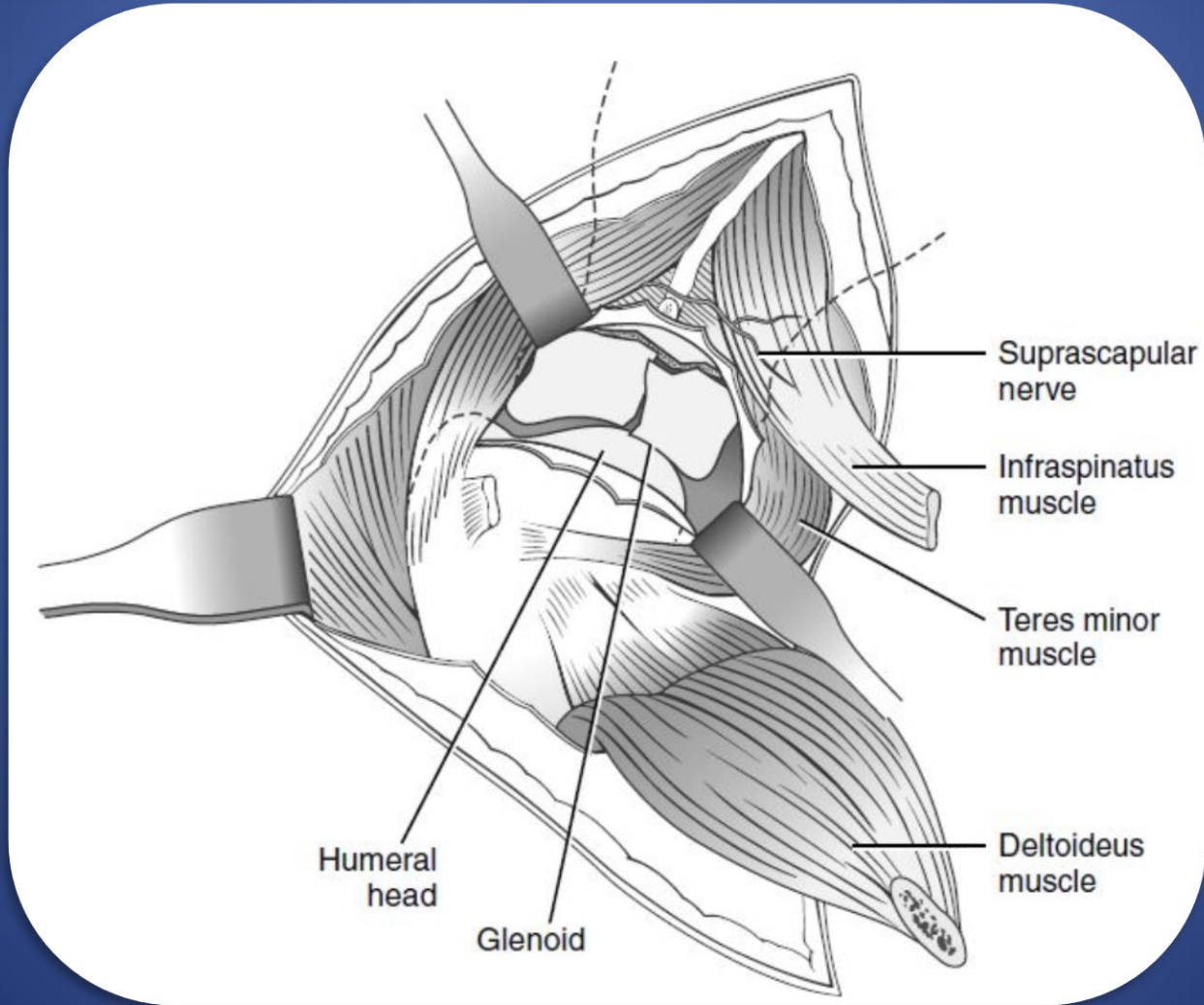




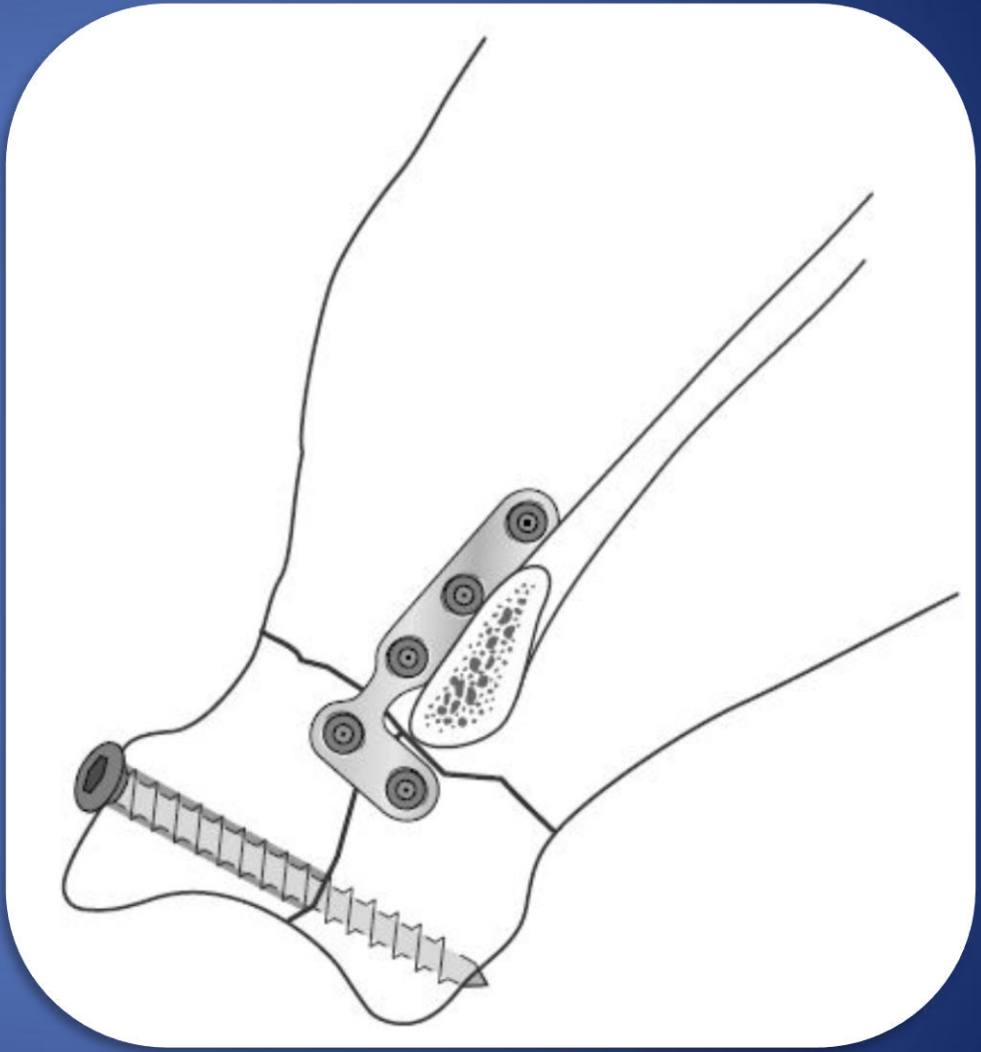
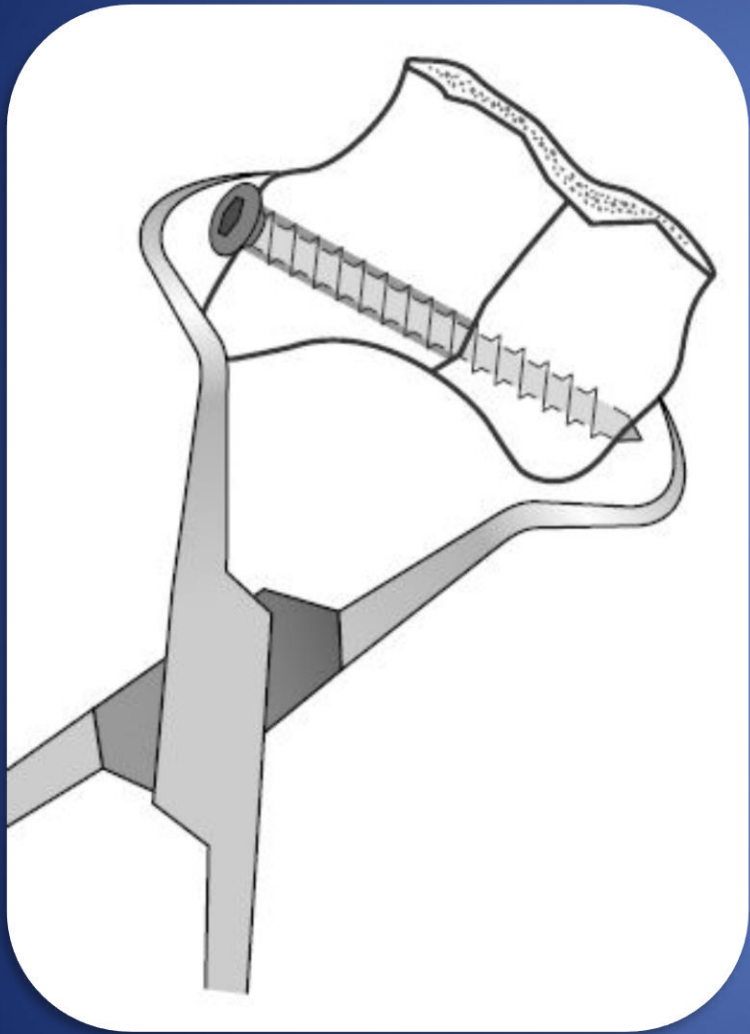


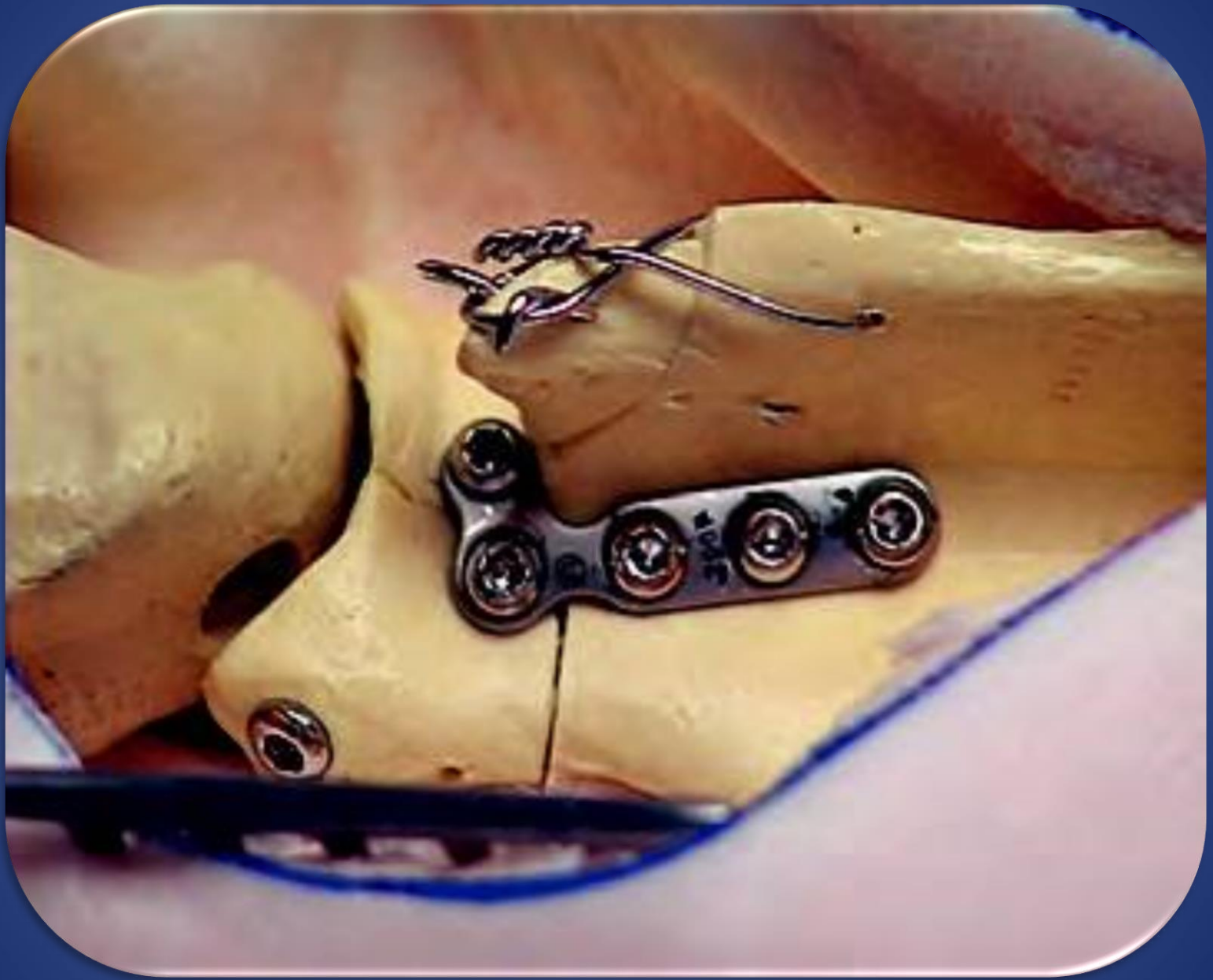
Scapulanın longitudinal gövde ve supraglenoid çıkıntısının kırığı

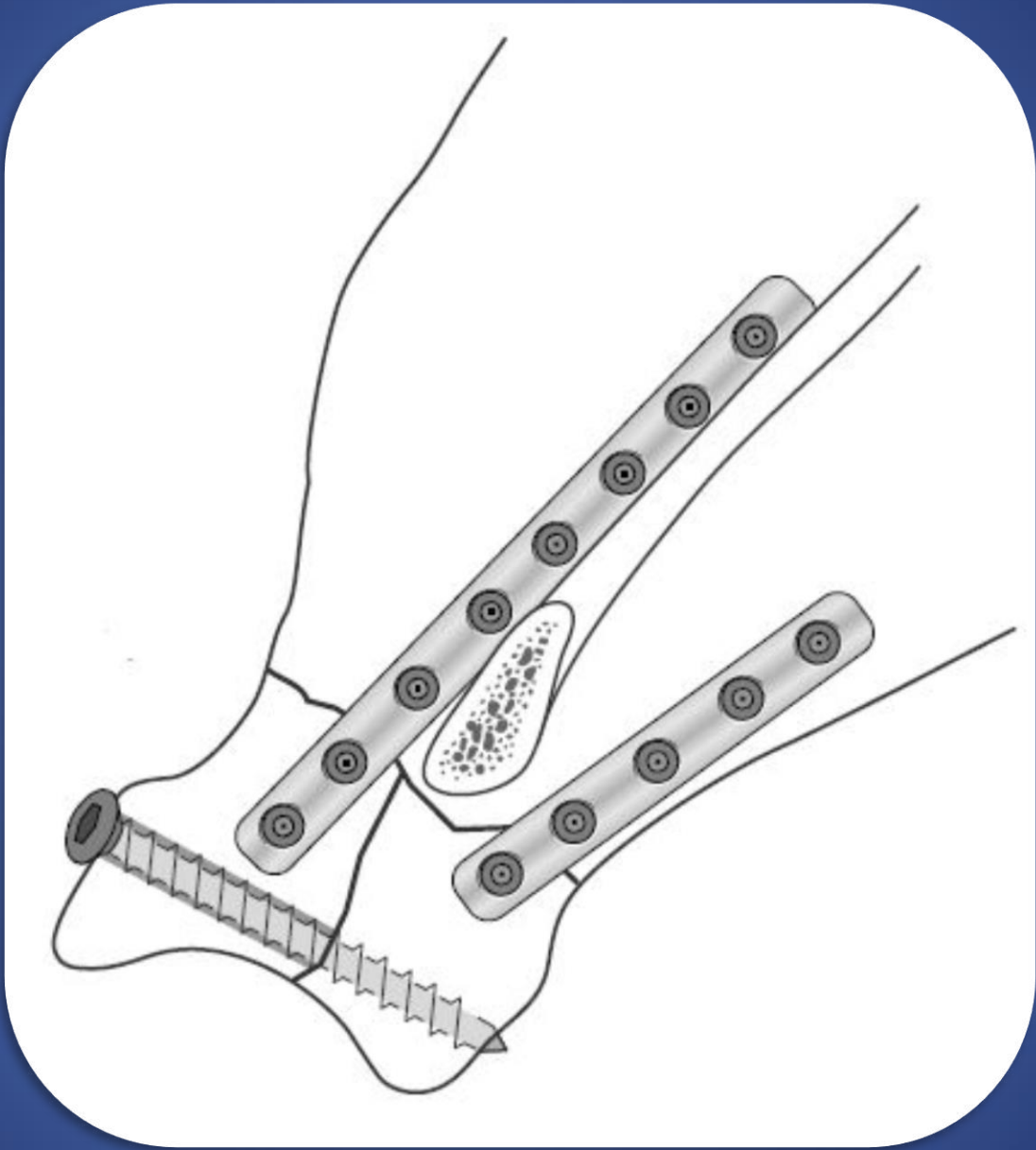
İntra-artiküler ve Scapular Boyun Kırıkları



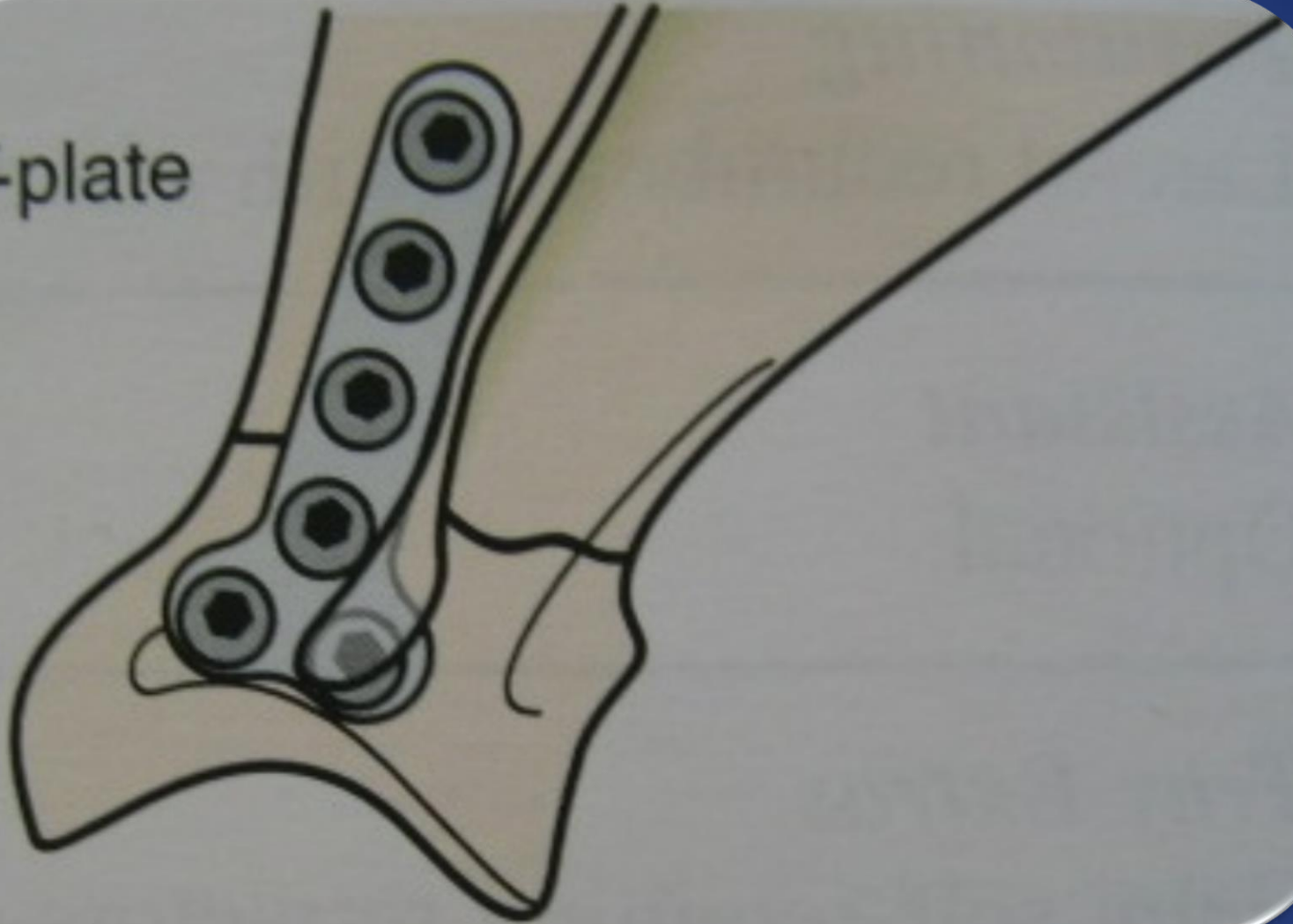


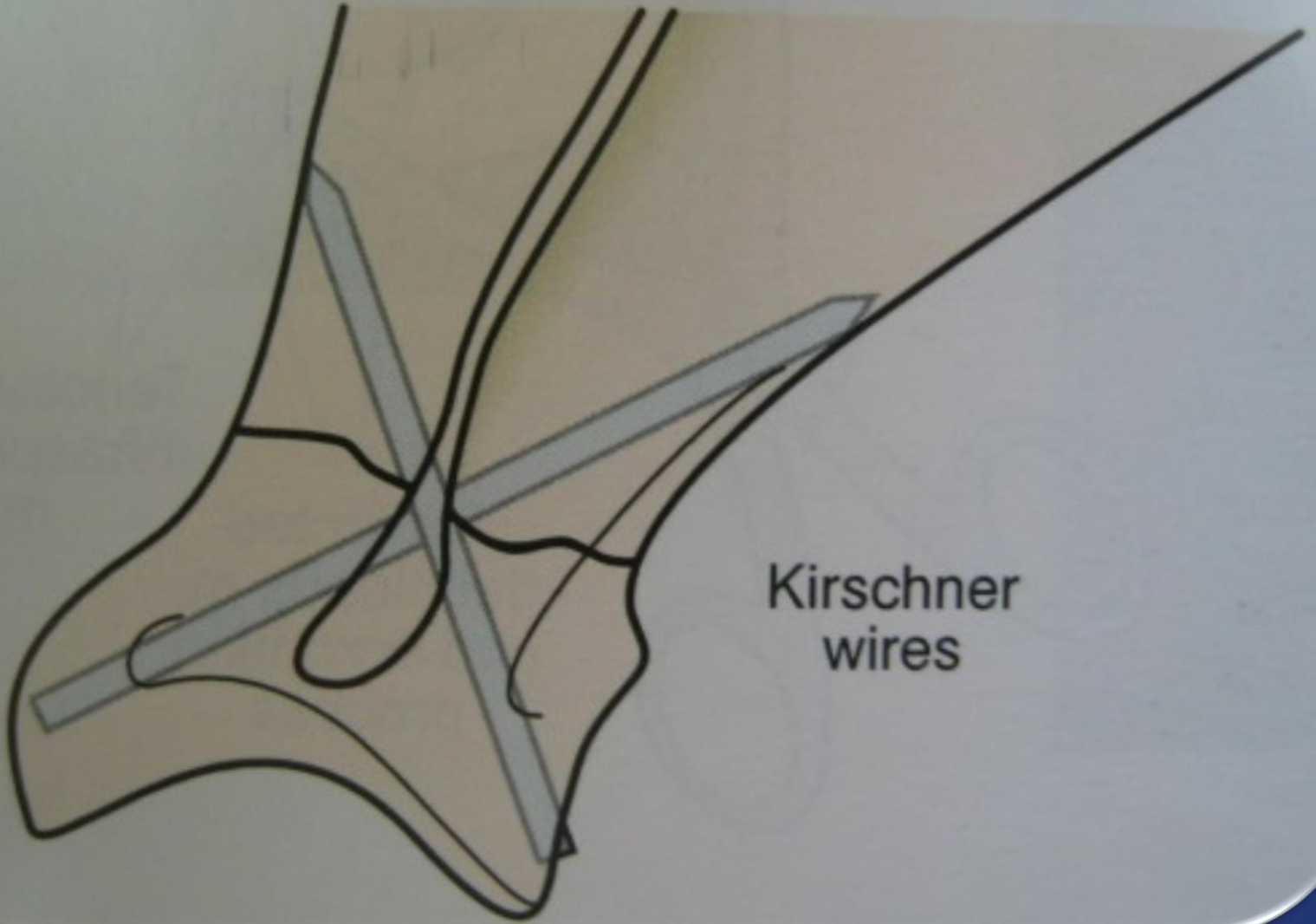






T-plate





Kirschner
wires